

ENAME: H:\OI Project - Proposals\2016 Jobs\CP\OCP-16-0462 CSV_Veterans House_Mikinak Road Ottawa\15 - Drawings\0CP-16-0462 <u>51 SAVED</u>: Tuesday, March 26, 2019 LAST SAVED BY: c.hampel 5<u>1 PLOTTED</u>: Tuesday, March 26, 2019 <u>CTB FILE USED</u>: ----

GENERAL NOTES 1. THE ORIGINAL TOPOGRAPHY, GROUND ELEVATION AND SURVEY DATA SHOWN ARE SUPPLIED HEMLOCK ROAD FOR INFORMATION PURPOSES ONLY, AND IMPLY NO GUARANTEE OF ACCURACY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL INFORMATION OBTAINED FROM THFM 2. THIS PLAN IS NOT A CADASTRAL SURVEY SHOWING LEGAL PROPERTY BOUNDARIES AND EASEMENTS. THE PROPERTY BOUNDARIES SHOW HEREON HAVE BEEN DERIVED FROM INFORMATION SUPPLIED BY THE CITY OF OTTAWA. 3. THE CONTRACTOR IS TO OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY BEFORE COMMENCING CONSTRUCTION. 4. THE CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT. 5. THE CONTRACTOR IS TO DETERMINE THE EXACT LOCATION, SIZE, MATERIAL AND ELEVATION MIKINAK ROAD OF ALL EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION. CONTRACTOR TO PROTECT AND ASSUME ALL RESPONSIBILITY FOR EXISTING UTILITIES WHETHER OR NOT SHOWN ON THESE DRAWINGS. IF THERE IS ANY DISCREPANCY THE CONTRACTOR IS TO NOTIFY THE ENGINEER PROMPTLY. 6. RESTORE ALL TRENCHES AND SURFACES OF PUBLIC ROAD ALLOWANCES TO CONDITION EQUAL OR BETTER THAN ORIGINAL CONDITION AND TO THE SATISFACTION OF THE CITY OF OTTAWA AUTHORITIES. LOCATION PLAN 7. EXCAVATE AND DISPOSE OF ALL EXCESS EXCAVATED MATERIAL, SUCH AS ASPHALT, CURBING AND DEBRIS, OFF SITE AS DIRECTED BY THE ENGINEER, OR THE CITY. LEGEND 8. TOPSOIL TO BE STRIPPED AND STOCKPILED FOR REHABILITATION. CLEAN FILL TO BE PLACED IN FILL AREAS AND COMPACTED TO 95% STANDARD PROCTOR DENSITY. BARRIER CURB 9. ALL DISTURBED AREAS TO BE RESTORED TO ORIGINAL CONDITION OR BETTER UNLESS CURB DEPRESSION OTHERWISE SPECIFIED. HEAVY DUTY ASPHALT 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL AND SAFETY MEASURES DURING THE CONSTRUCTION PERIOD, INCLUDING THE SUPPLY, INSTALLATION, AND REMOVAL ASPHALT RAMP AND/OR WALKWAY OF ALL NECESSARY SIGNAGE, DELINEATORS, MARKERS AND BARRIERS. CONCRETE RAMP AND/OR WALKWAY 11. DO NOT ALTER GRADING OF THE SITE WITHOUT PRIOR APPROVAL OF THE CITY. SWALE CENTERLINE __ · ___ 12. ALL ROADWAY, PARKING LOT, AND GRADING WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH CITY STANDARDS AND SPECIFICATIONS AND PROVIDE POSITIVE DRAINAGE AWAY FROM TERRACING @ 3:1 SLOPE UNLESS SPECIFIED THE BUILDING. 13. CONTACT THE CITY FOR INSPECTION OF ROUGH GRADING OF PARKING LOTS, ROADWAYS AND STORM MANHOLE LANDSCAPED AREAS PRIOR TO PLACEMENT OF ASPHALT AND TOPSOIL. ALL DEFICIENCIES NOTED SHALL BE RECTIFIED TO THE CITY'S SATISFACTION PRIOR TO PLACEMENT OF ANY ASPHALT, TOPSOIL, SEED & MULCH AND/OR SOD. CATCH BASIN MANHOLE 14. ALL DIMENSIONS MUST BE VERIFIED PRIOR TO CONSTRUCTION, IF THERE IS ANY DISCREPANCY CATCH BASIN OR DITCH INLET THE CONTRACTOR IS TO NOTIFY THE ENGINEER PROMPTLY. LANDSCAPE CATCH BASIN 15. CONTRACTOR TO ENSURE ALL INSTALLATIONS ARE IN ACCORDANCE WITH CURRENT CITY OF OTTAWA STANDARDS AND/OR ONTARIO PROVINCIAL STANDARDS. PERFORATED SUBDRAIN 16. THIS PLAN IS TO BE READ IN CONJUNCTION WITH THE GEOTECHNICAL REPORT BY MCINTOSH SANITARY MANHOLE PERRY DATED JANUARY 2019. 73.21 **EROSION AND SEDIMENT CONTROL** TYPICAL GRADE 1. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES, TO PROVIDE FOR BOTTOM OF WALL GRADE ×73.21 B/W PROTECTION OF THE AREA DRAINAGE SYSTEM AND THE RECEIVING WATERCOURSE, DURING CONSTRUCTION ACTIVITIES. THIS INCLUDES LIMITING THE AMOUNT OF EXPOSED SOIL, ×73.21(S) SWALE GRADE TEMPORARY SEDIMENT CONTROL (GEOSOCK INSERTS WITH AN OVERFLOW UNDER GRATE OR COVER) TO BE IMPLEMENTED DURING CONSTRUCTION ON ALL PROPOSED ROAD T/G 73.21 TOP OF GRATE GRADE CATCHBASINS, REARYARD CATCHBASINS AND CATCHBASIN MANHOLES AND OTHER SEDIMENT TRAPS. NO RECYCLED GEOSOCK MATERIAL SHALL BE PERMITTED FOR USE ON SITE. × EX.73.21 EXISTING GRADE (NOT SHOWN ON SURVEY) 2. AT THE DISCRETION OF THE PROJECT MANAGER OR MUNICIPAL STAFF, ADDITIONAL SILT OVERLAND FLOW ROUTE CONTROL DEVICES SHALL BE INSTALLED AT DESIGNATED LOCATIONS. 100yr PONDING 3. FOR SILT FENCE BARRIER, USE OPSD 219.110. GEOTEXTILE FOR SILT FENCE AS PER OPSS 1860, TABLE 3. - - - - -5vr PONDING FOR REVIEW ONLY 4. EXCEPT AS PROVIDED IN PARAGRAPHS 4.(a), and (b) BELOW, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS FEASIBLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION 76.16 GRADE MARKER NOT FOR CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 SILT FENCE DAYS AFTER THE CONSTRUCTION ACTIVITY HAS TEMPORARILY OR PERMANENTLY CEASED. 4.1. WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASE IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS FEASIBLE. 4.2. WHERE CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN 21 DAYS FROM WHEN ACTIVITIES CEASED, (E.G. THE TOTAL TIME PERIOD THAT CONSTRUCTION ACTIVITY IS TEMPORARILY CEASED IS LESS THAN 21 DAYS) THEN TABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF SITE BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY CEASED. SEDIMENT THAT IS ACCUMULATED BY THE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED IN A MANNER THAT AVOIDS ESCAPE OF THE SEDIMENT TO MAR. 26, 201 REVISED AS PER CITY COMMENTS THE DOWNSTREAM SIDE OF THE CONTROL MEASURE AND AVOIDS DAMAGE TO THE CONTROL MEASURE. SEDIMENT SHALL BE REMOVED TO THE LEVEL OF THE GRADE EXISTING AT THE TIME THE CONTROL MEASURE WAS CONSTRUCTED AND BE ACCORDING TO THE FOLLOWING: JAN. 31, 2019 **REVISED AS PER CITY COMMENTS** 5.1. FOR LIGHT-DUTY SEDIMENT BARRIERS, ACCUMULATED SEDIMENT SHALL BE REMOVED ONCE IT REACHES THE LESSER OF THE FOLLOWING: 5.1.1. A DEPTH OF ONE-HALF THE EFFECTIVE HEIGHT OF THE CONTROL MEASURE. OCT. 12, 2018 **REVISED AS PER NEW SITE PLAN** 5.1.2. A DEPTH OF 300 MM IMMEDIATELY UPSTREAM OF THE CONTROL MEASURE. FOR ALL CONTROL MEASURES, ACCUMULATED SEDIMENT SHALL BE REMOVED AS 5.2. NECESSARY TO PERFORM MAINTENANCE REPAIRS. ISSUED FOR SITE PLAN CONTROL SEP. 25/2018 5.3. ACCUMULATED SEDIMENT SHALL BE REMOVED PRIOR TO THE REMOVAL OF THE CONTROL MEASURE. 5.4. ACCUMULATED SEDIMENT IS TO BE REMOVED AND DISPOSED OF AS PER OPSS 180. JUL. 20/2018 SSUED FOR REVIEW 6. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MONITORED TO ENSURE THEY ARE IN EFFECTIVE WORKING ORDER. THE CONDITION OF THE CONTROL MEASURES SHALL BE MONITORED PRIOR TO ANY FORECAST STORM EVENT AND FOLLOWING Revision/Issue Date A STORM EVENT DUST CONTROL MEASURES SHOULD BE CONSIDERED PRIOR TO CLEARING AND GRADING. THE Check and verify all dimensions Do not scale drawings before proceeding with the work USE OF WATER, CALCIUM CHLORIDE FLAKES/SOLUTION OR MAGNESIUM CHLORIDE FLAKES/SOLUTION SHALL BE USED AS DUST SUPPRESSANTS AS PER OPSS 506. THIS IS TO LIMIT WIND EROSION OF SOILS WHICH MAY TRANSPORT SEDIMENTS OFFSITE, WHERE THEY MAY BE SCALE 1:200 WASHED INTO THE RECEIVING WATER BY THE NEXT RAINSTORM. 8. ALL 'GREEN AREAS' TO BE TREATED WITH 150mm TOPSOIL AND SOD AS SOON AS FEASIBLE, AS 20 Metres PER OPSS 570. 9. TOPSOIL TO BE STRIPPED AND STOCKPILED FOR REHABILITATION. CLEAN FILL TO BE PLACED IN FILL AREAS AND COMPACTED TO 95% STANDARD PROCTOR DENSITY McINTOSH PERRY 10. ALL DISTURBED AREAS TO BE RESTORED TO ORIGINAL CONDITION OR BETTER UNLESS OTHERWISE SPECIFIED. 11. STOCKPILED MATERIAL IS TO BE STORED AWAY FROM POTENTIAL RECEIVERS (E.G. STORM 115 Walgreen Road, RR3, Carp, ON KOA 1LO CATCHBASINS, MANHOLES), AND BE SURROUNDED BY EROSION CONTROL MEASURES WHERE Tel: 613-836-2184 Fax: 613-836-3742 MATERIAL IS LEFT IN PLACE IN EXCESS OF 14 DAYS. www.mcintoshperry.com 12. IF REQUIRED, DEWATERING/SETTLING BASINS SHALL BE CONSTRUCTED AS PER OPSD 219.240 AND LOCATED ON FLAT GRADE UPSTREAM OF OTHER EXISTING MITIGATION MEASURES. WATERCOURSES SHALL NOT BE DIVERTED, OR BLOCKED, AND TEMPORARY WATERCOURSES CROSSINGS SHALL NOT BE CONSTRUCTED OR UTILIZED, UNLESS OTHERWISE SPECIFIED IN THE Stamp CONTRACT. IF CLOSURE OF ANY PERMANENT WATER PASSAGE IS NECESSARY, THE N CONTRACTOR SHALL RELEASE ANY STRANDED FISH TO THE OPEN PORTION OF THE 2019/03/26 WATERCOURSE WITHOUT HARM. 13. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL CONFORM TO OPSS 577 R. P. KENNEDY 14. WHERE DEWATERING IS REQUIRED, THE DISCHARGED WATER SHALL BE CONTROLLED IN ACCORDANCE WITH OPSS 518. 15. ALL SETTLING/FILTRATION BASINS SHALL BE EQUIPPED WITH TERRAFIX 270R GEOTEXTILE (OR APPROVED EQUIVALENT) AND SHALL BE CLEANED AND REPLACED AS REQUIRED. CSV ARCHITECTS **1066 SOMERSET ST WEST** OTTAWA, ONTARIO K1Y 4Y3 Project: 745 MIKINAK ROAD **DOUGLAS JAMES, MCIP, RPP** MHI VETERAN'S HOUSE MANAGER, DEVELOPMENT REVIEW - CENTRAL **PLANNING, INFRASTRUCTURE & ECONOMIC DEVEVELOPMENT DEPARTMENT, CITY OF OTTAWA OTTAWA** Drawing Title: SITE GRADING, DRAINAGE, SEDIMENT & APPROVED EROSION CONTROL PLAN By Jamesdo at 11:54 am, Jun 10, 2019 Project Number: Scale: 1:200 CP-16-0462 Drawn by: S.V.L. Checked By: Drawing Number: R.P.K. C101 Designed By: S.V.L. 17800

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