| U.S. Army Corps of WETLAND DETERMINATION DATA                    | SHEET -             | Midwest R            | 17.5                      | Requirement Control Symbol<br>EXEMPT<br>(Authority: AR 335-15, paragraph 5-2a)                                    |
|--|---------------------|----------------------|---------------------------|---|
| See ERDC/EL TR-07-24; the propone                                | ent agency          | IS CECVV-C           | JU-R                      | (Authority: AR 333-13, paragraph 3-2a)  |
| Project/Site: Chicago O'Hare International Airport (OF           | !D)                 | City/Cour            | nty: Chicago              | /Cook Sampling Date: 7/29/2019  |
| Applicant/Owner: City of Chicago                                 |                     |                      |                           | State: IL Sampling Point: NW19-01 WET   |
| Investigator(s): Brauna Hartzell, Conor Makepeace, Kim Shannon   | , Mead & Hunt, Ir   | Section, T           | ownship, Rar              | nge: Section 36, T41N, R11E   |
| Landform (hillside, terrace, etc.): swale/ditch                  |                     |                      | ocal relief (co           | oncave, convex, none): concave  |
| Slope (%): <1% Lat: 42.00014237                                  |                     | Long: -              | 87.92870085               | Datum: WGS84  |
| Soil Map Unit Name: 533 - Urban land (Non-hydric (09             | %))                 |                      |                           | NWI classification: PEM   |
| Are climatic / hydrologic conditions on the site typical         | for this time o     | of year?             | Yes X                     | No (If no, explain in Remarks.)   |
| Are Vegetation X , Soil X , or Hydrology                         | significantly       | disturbed? A         | re "Normal C              | ircumstances" present? Yes X No   |
| Are Vegetation , Soil , or Hydrology                             | naturally pro       | blematic? (I         | f needed, exp             | olain any answers in Remarks.)  |
| SUMMARY OF FINDINGS – Attach site m                              | ap showi            | ng samplin           | g point lo                | cations, transects, important features, etc.  |
| Hydric Soil Present? Yes X N                                     | o                   |                      | Sampled Are<br>a Wetland? |   |
| Remarks:<br>Vegetation mown regularly and soils disturbed due to | construction        | of airport.          |                           |   |
| VEGETATION - Use scientific names of pla                         | ants.               |                      |                           |   |
| Tree Stratum (Plot size:) 1.                                     | Absolute<br>% Cover | Dominant<br>Species? | Indicator<br>Status       | Dominance Test worksheet:  Number of Dominant Species That  |
| 2.   |                     | 9.1                  |                           | Are OBL, FACW, or FAC: (A)  |
| 3  |                     |                      |                           | Total Number of Dominant Species  |
| 4  |                     |                      |                           | Across All Strata: 3 (B)  |
| 5.   | -                   | =Total Cover         |                           | Percent of Dominant Species That Are OBL, FACW, or FAC: 66.7% (A/B)   |
| Sapling/Shrub Stratum (Plot size:                                | )                   |                      | _                         | -   |
| 1.   |                     |                      |                           | Prevalence Index worksheet:   |
| 2.   | E -                 |                      |                           | Total % Cover of: Multiply by:  OBL species 70 x 1 = 70   |
| 3.<br>4  |                     |                      | <del></del>               | OBL species x 1 = 70<br>FACW species 0 x 2 = 0  |
| 5.   |                     |                      |                           | FAC species 0 x3 = 0  |
| -  |                     | =Total Cover         |                           | FACU species 30 x 4 = 120   |
| Herb Stratum (Plot size: 5ft )                                   |                     |                      |                           | UPL species 0 x 5 = 0   |
| Eleocharis obtusa  | 40                  | Yes                  | OBL                       | Column Totals: 100 (A) 190 (B)  |
| 2. Schedonorus pratensis   | 30                  | Yes                  | FACU                      | Prevalence Index = B/A = 1.90   |
| 3. Typha angustifolia  |                     | Yes                  | OBL                       | Hudunuhudia Waratatian India taua   |
| Lythrum salicaria     5.   |                     | No                   | OBL_                      | Hydrophytic Vegetation Indicators:  1 - Rapid Test for Hydrophytic Vegetation                                     |
| 6.   | 21 -                |                      |                           | X 2 - Dominance Test is >50%  |
| 7.   |                     |                      |                           | X 3 - Prevalence Index is ≤3.0 <sup>1</sup>   |
| 8.   |                     |                      |                           | 4 - Morphological Adaptations (Provide supporting   |
| 9.   |                     |                      |                           | data in Remarks or on a separate sheet)   |
| 10   |                     |                      |                           | Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)   |
| Woody Vine Stratum (Plot size:                                   | 100                 | =Total Cover         |                           | <sup>1</sup> Indicators of hydric soil and wetland hydrology must<br>be present, unless disturbed or problematic. |
| 1.   | -                   |                      |                           | Hydrophytic   |
| 2.   |                     | =Total Cover         |                           | Vegetation Present? Yes X No  |
| Remarks: (Include photo numbers here or on a sepa                | rate sheet.)        |                      |                           |   |

Midwest - Version 2.0

APPENDIX L L-201 NOVEMBER 2022

| Conth  | montetessesses konvents menn n   | to the de              | Should be seen a substitution of the source  |  |  | ווט וטוו                           | confirm the absence   | of indicators.)  |  |
|--|--|------------------------|--|--|--|------------------------------------|---|--|--|
| Depth  | Matrix   |                        | CONT. D  | ox Featur  |  | Loc <sup>2</sup>                   | T   | M  |  |
| inches)  | Color (moist)  | %                      | Color (moist)  |  | Type   | 50.00                              | Texture   | Remarks  |  |
| 0-5  | 10YR 3/1   | 95                     | 7.5YR 4/6  | 5  | <u> </u>   | M_                                 | Loamy/Clayey  | Prominent redox concentrati  |  |
| 5-8  | 10YR 4/1   | 95                     | 10YR 5/6   | 5  | C  | M_                                 | Loamy/Clayey  | Prominent redox concentrati  |  |
|  |  |                        |  |  |  |                                    |   | layer contains pebbles and gr  |  |
|  |  |                        |  | -  |  |                                    |   | above restrictive layer  |  |
|  |  |                        | 70   |  |  | -                                  |   |  |  |
|  |  |                        |  |  |  | Re .                               |   | 2  |  |
|  |  |                        |  |  |  | -                                  |   |  |  |
| Type: C=C  | oncentration, D=Dep  | letion. RM             | ==Reduced Matrix   | MS=Mas   | ked Sand   | Grains                             | <sup>2</sup> Location   | : PL=Pore Lining, M=Matrix.  |  |
|  | Indicators:  |                        | ,  |  |  |                                    |   | s for Problematic Hydric Soils   |  |
| Histosol   |  |                        | Sandy Gle  | eyed Mat   | rix (S4)   |                                    |   | st Prairie Redox (A16)   |  |
|  | pipedon (A2)   |                        | Sandy Re   | S management   |  |                                    | <del></del> -   | Manganese Masses (F12)   |  |
| —<br>Black H   | istic (A3)   |                        | Stripped N   | Matrix (S  | 6)   |                                    | Red   | Parent Material (F21)  |  |
| —<br>Hydroge   | en Sulfide (A4)  |                        | Dark Surf  | ace (S7)   |  |                                    | Very  | Shallow Dark Surface (F22)   |  |
| Stratifie  | d Layers (A5)  |                        | Loamy Mu   | ucky Min   | eral (F1)  |                                    | Othe  | r (Explain in Remarks)   |  |
| _  | uck (A10)  |                        | Loamy Gl   | eyed Ma  | trix (F2)  |                                    |   |  |  |
| Deplete  | d Below Dark Surface   | e (A11)                | Depleted   | Matrix (F  | (3)  |                                    |   |  |  |
| Thick D  | ark Surface (A12)  |                        | X Redox Da   | rk Surfac  | ce (F6)  |                                    | <sup>3</sup> Indicator  | s of hydrophytic vegetation and  |  |
| Sandy N  | Mucky Mineral (S1)   |                        | Depleted   | Dark Sur   | face (F7)  | 6                                  | wetla   | and hydrology must be present,   |  |
| 5 cm Mi  | ucky Peat or Peat (S3  | 3)                     | Redox De   | pression   | s (F8)   |                                    | unles   | ss disturbed or problematic.   |  |
| estrictive   | Layer (if observed):   |                        |  |  |  |                                    |   |  |  |
| 201  |  |                        |  |  |  |                                    |   |  |  |
| Type:  | fill   |                        |  |  |  |                                    |   |  |  |
| Depth (i<br>Remarks:<br>ill and grav   | nches):  | 8<br>layer. Hy         | dric soil indicators   | present a  | above res  | strictive                          | Hydric Soil Present   | ?? Yes X No  |  |
| Depth (i<br>Remarks:<br>fill and grav  | nches):  |                        | dric soil indicators   | present a  | above res  | strictive                          | and a comment of the |  |  |
| Depth (in the property of the  | nches):  vel create a restrictive  | layer. Hy              | dric soil indicators   | present a  | above res  | etrictive                          | and a comment of the |  |  |
| Depth (in part of the part of  | rel create a restrictive   | layer. Hy              |  |  | above res  | itrictive                          | layer. Hydric soils indid   | cator Redox Dark Surface (F6) is   |  |
| Depth (i Remarks: iill and grav atisfied.  YDROLO Vetland Hy   | nches):  vel create a restrictive  DGY  vdrology Indicators: cators (minimum of co   | layer. Hy              | uired: check all that  | apply)   |  |                                    | layer. Hydric soils indid   | cator Redox Dark Surface (F6) is   |  |
| Depth (in the property of the  | rel create a restrictive  OGY  rdrology Indicators: cators (minimum of c   | layer. Hy              | uired: check all that<br>Water-Sta   | apply)   | aves (B9)  |                                    | layer. Hydric soils indic   | cator Redox Dark Surface (F6) is  ry Indicators (minimum of two records Soil Cracks (B6)   |  |
| Depth (i Remarks: iill and grav atisfied.  YDROLO  Vetland Hy Primary Ind Surface High Wa  | order (A1) ater Table (A2)   | layer. Hy              | uired: check all that<br>Water-Sta<br>Aquatic F  | apply)<br>ained Lea<br>auna (B1  | aves (B9)  |                                    | layer. Hydric soils indid<br>Secondal<br>X Surfa  | cator Redox Dark Surface (F6) is  ry Indicators (minimum of two records Soil Cracks (B6) lage Patterns (B10)   |  |
| Depth (i Remarks: rill and grav atisfied.  YDROLC  Vetland Hy Frimary Ind Surface High We Saturati   | order (A2)  on (A3)  | layer. Hy              | uired: check all thatWater-SteAquatic FTrue Aqua   | apply)<br>ained Lea<br>auna (B1<br>atic Plant  | aves (B9)<br>3)<br>ss (B14)  |                                    | Secondal X Surfa Drair  | cator Redox Dark Surface (F6) is  ry Indicators (minimum of two records Soil Cracks (B6) lage Patterns (B10) Season Water Table (C2)   |  |
| Depth (in termarks: iill and gravatisfied.  YDROLC Vetland Hy rimary Ind Surface High Water Mater Mate | rel create a restrictive  OGY  rel rology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) flarks (B1)  | layer. Hy              | uired: check all thatWater-SteAquatic FTrue Aqua   | apply)<br>ained Lea<br>auna (B1<br>atic Plant<br>Sulfide   | aves (B9)<br>3)<br>ss (B14)<br>Odor (C1  | )                                  | Secondal X Surfa Drair Dry-S Cray   | cator Redox Dark Surface (F6) is  ry Indicators (minimum of two records Soil Cracks (B6) age Patterns (B10) Season Water Table (C2) fish Burrows (C8)  |  |
| Depth (international content of the  | order (A2)  on (A3)  | layer. Hy              | uired: check all thatWater-SteAquatic FTrue Aqua   | apply)<br>ained Lea<br>auna (B1<br>atic Plant<br>Sulfide (<br>Rhizosph   | aves (B9)<br>3)<br>ss (B14)<br>Odor (C1<br>teres on l  | )<br>Living R                      | Secondal X Surfa Drair Dry-S Cray oots (C3) Satu  | cator Redox Dark Surface (F6) is  ry Indicators (minimum of two records Soil Cracks (B6) lage Patterns (B10) Season Water Table (C2)   |  |
| Depth (in temarks: iill and gravatisfied.  YDROLC  Yetland Hy Surface High W Saturati Water M Sedime Drift De  | rel create a restrictive  OGY  rel croate a restrictive  rel create a rel create a restrictive  rel create a  | layer. Hy              | uired: check all that  Water-Ste Aquatic F True Aqua Hydrogen Oxidized   | apply)<br>ained Lea<br>auna (B1<br>atic Plant<br>Sulfide<br>Rhizosph<br>of Redu                                    | aves (B9)<br>3)<br>ss (B14)<br>Odor (C1<br>teres on loced Iron (   | )<br>Living R<br>(C4)              | Secondal X Surfa Drair Dry-S Cray oots (C3) Satur   | cator Redox Dark Surface (F6) is  ry Indicators (minimum of two rec  tice Soil Cracks (B6)  tage Patterns (B10)  Season Water Table (C2)  fish Burrows (C8)  ration Visible on Aerial Imagery (  |  |
| Depth (in Remarks: iill and gravatisfied.  YDROLC  Vetland Hy Surface High W Saturati Water M Sedime Drift De Algal M  | rel create a restrictive  OGY  rel create a restrictive  rel create a rel create a restrictive  rel create a  | layer. Hy              | uired: check all that  Water-Sta  Aquatic F  True Aqua  Hydrogen  Oxidized  Presence   | apply) ained Lea auna (B1 atic Plant Sulfide t Rhizosph of Reduon Reduon   | aves (B9)<br>3)<br>is (B14)<br>Odor (C1<br>ieres on l<br>ced Iron (<br>ction in Ti   | )<br>Living R<br>(C4)              | Secondal   X Surfa   Drair   Dry-S   Cray   Oots (C3)   Satur   Stunils (C6)   X Geor   | cator Redox Dark Surface (F6) is  ry Indicators (minimum of two records Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (red or Stressed Plants (D1)                         |  |
| Depth (international content of the  | rel create a restrictive  OGY  redrology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) farks (B1) nt Deposits (B2) posits (B3) at or Crust (B4)  | ne is requ             | uired: check all that  Water-Sta  Aquatic F  True Aqua  Hydrogen  Oxidized  Presence  Recent Ira  Thin Muck  | apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Redu on Reduct sulfides                                 | aves (B9) 3) is (B14) Odor (C1 eres on lead from oced fr | )<br>Living R<br>(C4)              | Secondal   X Surfa   Drair   Dry-S   Cray   Oots (C3)   Satur   Stunils (C6)   X Geor   | cator Redox Dark Surface (F6) is  ry Indicators (minimum of two records Soil Cracks (B6) lage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (Valed or Stressed Plants (D1) morphic Position (D2) |  |
| Depth (i emarks: ill and grav atisfied.  YDROLO /etland Hy rimary Indi Surface High W Saturati Water M Sedime Drift De Algal M Iron De; Inundati   | rel create a restrictive rel create rel cre | nagery (E              | uired: check all that  Water-Sta Aquatic F  True Aqua Hydrogen Oxidized I Presence Recent Iru Thin Muck  | apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Redu on Reduc < Surface Well Dat                        | aves (B9) 3) is (B14) Odor (C1 eres on led from the control of the | )<br>Living R<br>(C4)              | Secondal   X Surfa   Drair   Dry-S   Cray   Oots (C3)   Satur   Stunils (C6)   X Geor   | cator Redox Dark Surface (F6) is  ry Indicators (minimum of two records Soil Cracks (B6) lage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (Valed or Stressed Plants (D1) morphic Position (D2) |  |
| Depth (itemarks: ill and gravatisfied.  YDROLC Vetland Hy rrimary Ind Surface High W Saturati Water M Sedime Drift De Algal M Iron De  Inundati Sparsel  | rel create a restrictive  rel create (B1)  rel create a restrictive  rel create (B1)  rel creat | nagery (E              | uired: check all that  Water-Sta Aquatic F  True Aqua Hydrogen Oxidized I Presence Recent Iru Thin Muck  | apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Redu on Reduc < Surface Well Dat                        | aves (B9) 3) is (B14) Odor (C1 eres on led from the control of the | )<br>Living R<br>(C4)              | Secondal   X Surfa   Drair   Dry-S   Cray   Oots (C3)   Satur   Stunils (C6)   X Geor   | cator Redox Dark Surface (F6) is  ry Indicators (minimum of two records Soil Cracks (B6) lage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (Valed or Stressed Plants (D1) morphic Position (D2) |  |
| Depth (itemarks: ill and gravatisfied.  YDROLO Vetland Hy rimary Indi Surface High W Saturati Water M Sedime Drift De Algal M Iron Dep Inundati Sparsel  | rel create a restrictive  rel create (B1)  rel create a restrictive  rel create (B1)  rel creat | magery (E              | uired: check all that  Water-Sta Aquatic F  True Aqua Hydrogen Oxidized I Presence Recent Iru Thin Muck  | apply) ained Lea auna (B1 atic Plant Sulfide t Rhizosph of Reduce on Reduce Surface Well Dat plain in F            | aves (B9) 3) is (B14) Odor (C1 eres on led from the control of the | )<br>Living R<br>(C4)              | Secondal   X Surfa   Drair   Dry-S   Cray   Oots (C3)   Satur   Stunils (C6)   X Geor   | cator Redox Dark Surface (F6) is  ry Indicators (minimum of two records Soil Cracks (B6) lage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (Valed or Stressed Plants (D1) morphic Position (D2) |  |
| Depth (in Remarks: Fill and gravatisfied.  YDROLO Vetland Hybrimary Indi Surface High W. Saturati Water M. Sedime Drift De Algal M. Iron De; Inundati Sparsel  | rel create a restrictive rel create a restrict | magery (E              | uired: check all that  Water-Sta  Aquatic F  True Aqua  Hydrogen  Oxidized  Presence  Recent Ird  Thin Muck  37)  Gauge or  B8)  Other (Ex   | apply) ained Lea auna (B1 atic Plant Sulfide t Rhizosph of Reduce on Reduce Surface Well Dat plain in F            | aves (B9) 3) is (B14) Odor (C1 eres on lead from the (C7) at (D9) Remarks) nches): _   | )<br>Living R<br>(C4)              | Secondal   X Surfa   Drair   Dry-S   Cray   Oots (C3)   Satur   Stunils (C6)   X Geor   | cator Redox Dark Surface (F6) is  ry Indicators (minimum of two records Soil Cracks (B6) lage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (Valed or Stressed Plants (D1) morphic Position (D2) |  |
| Depth (in Remarks: Fill and gravialisfied.  YDROLO Vetland Hyprimary Indi Surface High Will Saturati Water M Sedime Drift De Algal M Iron Dej Inundati Sparsel Field Obset Surface Wa  | rel create a restrictive  rel create (A2)  rel create (B2)   | magery (E<br>Surface ( | uired: check all that  Water-Sta  Aquatic F  True Aqu  Hydrogen  Oxidized  Presence  Recent Ird  Thin Much  Thin Much | apply) ained Lea auna (B1 atic Plant Sulfide GReduc of Reduc of Surface Well Dai plain in F                        | aves (B9) 3) is (B14) Odor (C1 eres on lead from the (C7) at (D9) Remarks) nches): _   | )<br>Living R<br>(C4)<br>Illed Soi | Secondal   X Surfa   Drair   Dry-S   Cray   Oots (C3)   Satur   Stunils (C6)   X Geor   | ry Indicators (minimum of two records Soil Cracks (B6) age Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (red or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5)                   |  |
| Depth (i Remarks: Fill and graviatisfied.  YDROLC Wetland Hy Primary Ind Surface High Wi Saturati Water N Sedime Drift De Algal M Iron Del Inundati Sparsel Field Obses Surface Wa Water Table Saturation F includes ca  | rel create a restrictive rel create rel cre | magery (Ee Surface (   | ired: check all that  Water-Sta  Aquatic F  True Aqua  Hydrogen  Oxidized I  Presence  Recent Ira  Thin Mucl  37) Gauge of  B8) Other (Ex  No X  No X  No X  | apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduco s Surface s Surface plain in F Depth (i Depth (i | aves (B9) 3) s (B14) Odor (C1 teres on led (C7) te (C7) ta (D9) Remarks) nches): nches):   | )<br>Living R<br>C4)<br>Illed Soi  | Secondal  X Surfa Drair Dry-s Cray oots (C3) Satur Stuni  | ry Indicators (minimum of two records Soil Cracks (B6) age Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (red or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5)                   |  |
| Depth (in Remarks: Fill and graviatisfied.  YDROLC  Vetland Hy Primary Ind Surface High Water N Sedime Drift De Algal M. Iron Del Inundati Sparsel Field Obsesurface Water Table Saturation Fincludes ca   | process of the proces | magery (Ee Surface (   | ired: check all that  Water-Sta  Aquatic F  True Aqua  Hydrogen  Oxidized I  Presence  Recent Ira  Thin Mucl  37) Gauge of  B8) Other (Ex  No X  No X  No X  | apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduco s Surface s Surface plain in F Depth (i Depth (i | aves (B9) 3) s (B14) Odor (C1 teres on led (C7) te (C7) ta (D9) Remarks) nches): nches):   | )<br>Living R<br>C4)<br>Illed Soi  | Secondal  X Surfa Drair Dry-s Cray oots (C3) Satur Stuni  | ry Indicators (minimum of two records Soil Cracks (B6) age Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (red or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5)                   |  |
| Depth (in Remarks: Fill and gravatisfied.  YDROLC Vetland Hy Primary India Surface High William Sedime Drift De Algal Milron Deptember 1 in Inundati Sparsel Field Obsesurface Water Table Saturation Fincludes cal  | rel create a restrictive rel create rel cre | magery (Ee Surface (   | ired: check all that  Water-Sta  Aquatic F  True Aqua  Hydrogen  Oxidized I  Presence  Recent Ira  Thin Mucl  37) Gauge of  B8) Other (Ex  No X  No X  No X  | apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduco s Surface s Surface plain in F Depth (i Depth (i | aves (B9) 3) s (B14) Odor (C1 teres on led (C7) te (C7) ta (D9) Remarks) nches): nches):   | )<br>Living R<br>C4)<br>Illed Soi  | Secondal  X Surfa Drair Dry-s Cray oots (C3) Satur Stuni  | ry Indicators (minimum of two records Soil Cracks (B6) age Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (red or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5)                   |  |

| U.S. Army Corps of  | and the second s |                    | 2                   | -  | ent Control S       | ymbol           |                  |
|---|--|--------------------|---------------------|--|---------------------|-----------------|------------------|
| WETLAND DETERMINATION DATA                                      |  |                    | 27.5                |  | EXEMPT              | aranh f         | 5 201            |
| See ERDC/EL TR-07-24; the propone                               | nt agency is   | CECVV-             | 50-R                | (Authority: AR   | 333-13, para        | yrapır s        | -zaj             |
| Project/Site: Chicago O'Hare International Airport (ORI         | <b>D</b> )   | City/Cou           | nty: Chicago/       | 'Cook  | Sampling Date       | e: <u>7/29/</u> | 2019             |
| Applicant/Owner: City of Chicago                                |  |                    |                     | State: IL  | Sampling Poin       | t: NW19         | 3-04 UPL         |
| Investigator(s): Brauna Hartzell, Conor Makepeace, Kim Shannon, | Mead & Hunt, Inc.  | Section, 1         | ownship, Ran        | ge: Section 36, T41N   | I, R11E             |                 |                  |
| Landform (hillside, terrace, etc.): midslope                    |  |                    | Local relief (co    | oncave, convex, none):   | convex              |                 |                  |
|   |  | -                  |                     |  |                     |                 |                  |
| Soil Map Unit Name: 533 - Urban land (Non-hydric (0%            | Automotion .   |                    |                     | NWI classi   |                     |                 |                  |
| Are climatic / hydrologic conditions on the site typical for    |  | ear?               | Yes X               |  |                     | Υ               |                  |
| Are Vegetation, Soil, or Hydrologys                             |  |                    | -                   |  |                     |                 |                  |
| Are Vegetation, Soil, or Hydrology                              |  |                    |                     | lain any answers in Re   |                     |                 | -                |
|   |  |                    |                     |  |                     |                 | 2                |
| SUMMARY OF FINDINGS – Attach site ma                            | ap showing   | samplin            | ig point loc        | cations, transects   | s, important f      | eatures         | i, etc.          |
| Hydrophytic Vegetation Present? Yes No                          | Х  | Is the             | Sampled Are         | ea .   |                     |                 |                  |
|   | x  | Actor Schools      | n a Wetland?        |  | No X                |                 |                  |
|   | <u> </u>   |                    |                     |  |                     |                 |                  |
| Remarks:  |  |                    |                     |  |                     |                 |                  |
|   |  |                    |                     |  |                     |                 |                  |
|   | 10   |                    |                     |  |                     |                 |                  |
| VEGETATION – Use scientific names of pla                        |  |                    |                     |  |                     |                 |                  |
| Tree Stratum (Plot size:)                                       |  | ominant<br>pecies? | Indicator<br>Status | Dominance Test wo  | rksheet:            |                 |                  |
| 1   | 70 00101   |                    |                     | Number of Dominant   |                     |                 |                  |
| 2.  |  | -                  |                     | Are OBL, FACW, or I  |                     | 0               | (A)              |
| 3.  |  |                    |                     | Total Number of Don  | ninant Species      |                 | - 102 103        |
| 4   |  |                    |                     | Across All Strata:   |                     | 2               | (B)              |
| 5   |  |                    |                     | Percent of Dominant  |                     |                 |                  |
| Combined Observations (Districtions)                            |  | otal Cover         |                     | Are OBL, FACW, or I  | -AC:                | 0.0%            | _(A/B)           |
| Sapling/Shrub Stratum (Plot size:)                              | Ü  |                    | H                   | Prevalence Index w   | orksheet:           |                 |                  |
| 1   |  |                    |                     | Total % Cover o  |                     | ply by:         |                  |
| 3.  |  |                    |                     |  | 0 x1=               | 0               | -                |
| 4.  |  |                    | -                   | FACW species   | 0 x 2 =             | 0               | =                |
| 5.  |  |                    | -                   | FAC species  | 0 x 3 =             | 0               | _                |
|   | =Tc  | tal Cover          |                     | FACU species1  |                     | 60              | _                |
| Herb Stratum (Plot size: 5ft )                                  |  |                    |                     |  | 35 x 5 = _          | 425             | -                |
| Dipsacus laciniatus     Securigera varia                        |  | Yes<br>Yes         | UPL UPL             | Column Totals: 1   |                     | .85             | - <sup>(B)</sup> |
| 3. Daucus carota  | 10   | No                 | UPL                 | 1 Tevalence midex  | - 5/7               | .00             | -                |
| Melilotus officinalis   | 5  | No                 | FACU                | Hydrophytic Vegeta   | tion Indicators:    |                 |                  |
| 5. Solidago altissima   | 5  | No                 | FACU                | 1 - Rapid Test fo  |                     | getation        |                  |
| 6. Plantago lanceolata  | 5  | No                 | FACU                | 2 - Dominance T  | est is >50%         |                 |                  |
| 7.  |  |                    |                     | 3 - Prevalence In  |                     |                 |                  |
| 8   |  |                    |                     |  | I Adaptations¹ (Pr  |                 |                  |
| 9.  |  |                    |                     |  | ks or on a separa   |                 |                  |
| 10  | 100 =Tc  | tal Cover          |                     | Problematic Hyd  |                     |                 |                  |
| Woody Vine Stratum (Plot size:                                  |  | Adi COVEI          |                     | <sup>1</sup> Indicators of hydric s<br>be present, unless di   |                     |                 | must             |
| 1.  |  |                    | _ <del> </del>      |  | oralized of bronier | nano.           |                  |
| 2.  |  |                    |                     | Hydrophytic<br>Vegetation  |                     |                 |                  |
|   | =Tc  | tal Cover          |                     | SECOND CONTRACTOR CONT | No                  | X               |                  |
| Remarks: (Include photo numbers here or on a separ              | ate sheet.)  |                    |                     |  | -                   |                 |                  |
| Community Type: developed land HGM Type: N/                     | A Hydrophytic  | vegetation         | n is not preser     | nt.  |                     |                 |                  |

| SOIL                         |   |               |   |                                    |  |                |                                    | Sar          | mpling Point:                  | NW19-04 UPL  |
|------------------------------|---|---------------|---|------------------------------------|--|----------------|------------------------------------|--------------|--------------------------------|--------------|
| Profile Desci                | ription: (Describe                      | to the depth  | needed to do  | cument the indi                    | icator or                                  | confirm the    | absence of                         | indicators   | .)                             |              |
| Depth                        | Matrix                                  |               | Red   | lox Features                       |  |                |                                    |              |                                |              |
| (inches)                     | Color (moist)                           | %             | Color (moist)   |                                    | Loc <sup>2</sup>                           | Tex            | ture                               |              | Remarks                        |              |
| 0-4                          | 7.5YR 4/2                               | 100           |   |                                    |  | Loamy          | /Clayey                            |              |                                |              |
| 4-7                          | 7.5YR 4/2                               | 98            | 7.5YR 4/6   | 2 C                                | М  | Loamy          | /Clayey                            | Prominer     | nt redox conce                 | entrations   |
| 7-16                         | 7.5YR 4/2                               | 100           |   |                                    |  | Loamy          | /Clavev                            |              |                                |              |
|                              |   |               |   | - — —                              |  |                |                                    |              |                                |              |
|                              |   |               |   | - — —                              | * *  | -              |                                    |              |                                |              |
|                              | ======================================= |               |   |                                    | -  | -              |                                    |              |                                |              |
|                              |   |               |   | - — —                              | -  | -              |                                    |              |                                |              |
|                              | -                                       | <del></del>   |   |                                    |  | . —            | 2                                  |              |                                |              |
|                              | oncentration, D=Dep                     | etion, RM=F   | Reduced Matrix,   | MS=Masked Sa                       | and Grains                                 | S.             |                                    |              | ning, M=Matri:<br>matic Hydric |              |
| Hydric Soil II<br>Histosol ( |   |               | Sandy Cl  | layed Matrix (SA                   | Š.   |                |                                    | Prairie Redo |                                | Solls :      |
|                              | ipedon (A2)                             |               |   | leyed Matrix (S4)<br>edox (S5)     | ,  |                |                                    |              | Masses (F12)                   |              |
| Black His                    |   |               |   | Matrix (S6)                        |  |                | _                                  | rent Materi  | 127 62                         |              |
|                              | Sulfide (A4)                            |               | — Dark Sur  |                                    |  |                |                                    |              | Surface (F22                   | 2)           |
| - 100000 NOSA NO             | Layers (A5)                             |               |   | lucky Mineral (F                   | 1)   |                | 100,0000                           | Explain in F |                                | ys.          |
| 2 cm Mud                     | 5 10 10                                 |               |   | Bleyed Matrix (F2                  |  |                |                                    |              |                                |              |
|                              | Below Dark Surface                      | (A11)         |   | Matrix (F3)                        |  |                |                                    |              |                                |              |
| Thick Dar                    | rk Surface (A12)                        |               | Redox Da  | ark Surface (F6)                   |  |                | 3Indicators                        | of hydrophy  | tic vegetation                 | and          |
| Sandy Mu                     | ucky Mineral (S1)                       |               | Depleted  | Dark Surface (F                    | 7)   |                | wetland hydrology must be present, |              |                                | ent,         |
| 5 cm Mud                     | cky Peat or Peat (S3                    | )             | Redox De  | epressions (F8)                    |  |                | unless                             | disturbed o  | r problematic.                 |              |
| Restrictive L                | .ayer (if observed):                    |               |   |                                    |  |                |                                    |              |                                |              |
| Type:                        | 20 00                                   |               |   |                                    |  |                |                                    |              |                                |              |
| Depth (in                    | ches):                                  |               | <u> </u>  |                                    |  | Hydric So      | oil Present?                       |              | Yes                            | No X         |
|                              |   |               |   |                                    |  |                |                                    |              |                                |              |
| HYDROLO                      | GY                                      |               |   |                                    |  |                |                                    |              |                                |              |
| Wetland Hyd                  | rology Indicators:                      |               |   |                                    |  |                |                                    |              |                                |              |
| Primary Indic                | ators (minimum of c                     | ne is require | ed; check all that  | t apply)                           |  |                | Secondary                          | Indicators ( | minimum of ty                  | wo required) |
| Surface V                    | Water (A1)                              |               | Water-St  | ained Leaves (B                    | 9)   |                | Surface                            | Soil Crack   | s (B6)                         |              |
| High Wat                     | ter Table (A2)                          |               | Aquatic F   | Fauna (B13)                        |  |                | Drainag                            | ge Patterns  | (B10)                          |              |
| Saturation                   | And the second                          |               | COCCONICCIO NUNCO   | iatic Plants (B14                  | en a company                               |                | -                                  |              | Table (C2)                     |              |
| Water Ma                     |   |               |   | n Sulfide Odor (C                  | 00 00 00 000 000                           |                |                                    | h Burrows (  |                                | WW.          |
| Ann and Ann                  | t Deposits (B2)                         |               |   | Rhizospheres or                    | No. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10 | Roots (C3)     |                                    |              | on Aerial Imag                 | 2 2 2 2      |
|                              | osits (B3)                              |               |   | e of Reduced Iron                  | 200 00                                     |                |                                    |              | ed Plants (D1)                 | ag .         |
|                              | t or Crust (B4)                         |               | - Contract of the Contract of | ron Reduction in                   | Illed So                                   | ils (C6)       | 9,000,000,000,000                  | rphic Positi |                                |              |
| — Iron Depo                  | osits (B3)<br>on Visible on Aerial II   | magan((P7)    |   | k Surface (C7)<br>r Well Data (D9) |  |                | FAC-IN                             | eutral Test  | (D3)                           |              |
|                              | Vegetated Concave                       |               |   | xplain in Remark                   | (s)  |                |                                    |              |                                |              |
| Field Observ                 |   | - Canado (Bo  | <u> </u>  | tpiani in recinant                 | ,  | <del>1</del>   |                                    |              |                                |              |
| Surface Water                |   | \$            | No X  | Depth (inches)                     | 8  |                |                                    |              |                                |              |
| Water Table                  |   | s             | No X  | Depth (inches)                     |  | •              |                                    |              |                                |              |
| Saturation Pr                |   | s             | No X  | Depth (inches)                     |  | ·   Wetlan     | d Hydrology                        | Present?     | Yes                            | No X         |
| (includes cap                |   |               | -   |                                    | -  |                |                                    |              |                                |              |
| Describe Rec                 | corded Data (stream                     | gauge, mon    | nitoring well, aeri   | ial photos, previo                 | ous inspe                                  | ctions), if av | ailable:                           |              |                                |              |
|                              |   |               |   |                                    |  |                |                                    |              |                                |              |
| Remarks:                     |   |               | nied with one of  |                                    |  |                |                                    |              |                                |              |
| Wetland hydr                 | ology is neither pres                   | ent nor indic | cated.  |                                    |  |                |                                    |              |                                |              |
|                              |   |               |   |                                    |  |                |                                    |              |                                |              |

Midwest - Version 2.0

APPENDIX L L-204 NOVEMBER 2022

| U.S. Army Corps o<br>WETLAND DETERMINATION DATA               |                                | dwest Re    | egion           | Require                                 | ment Control<br>EXEMPT                               | Symbol    |                  |
|---|--------------------------------|-------------|-----------------|---|--|-----------|------------------|
| See ERDC/EL TR-07-24; the propor                              | nent agency is                 | CECW-C      | O-R             | (Authority: A                           | R 335-15, para                                       | agraph (  | 5-2a)            |
| Project/Site: Chicago O'Hare International Airport (O         | RD)                            | City/Coun   | ty: Chicago/    | 'Cook                                   | Sampling Da  | te: 7/29  | /2019            |
| Applicant/Owner: City of Chicago                              |                                | -           |                 | State: IL                               | Sampling Po  | int: NW19 | 9-04 WE          |
| Investigator(s): Brauna Hartzell, Conor Makepeace, Kim Shanno | on, Mead & Hunt, Inc.          | Section, To | ownship, Ran    | 464 33W 1903W 1603W                     | <br>1N, R11E   |           |                  |
| Landform (hillside, terrace, etc.): swale                     |                                |             | ocal relief (co | oncave, convex, non                     | e): concave  |           |                  |
|   |                                |             |                 |   |  | 4         |                  |
| Soil Map Unit Name: 533 - Urban land (Non-hydric (            | 7000 March 1000                |             |                 | 000000000000000000000000000000000000000 | ssification: PEM                                     |           |                  |
| Are climatic / hydrologic conditions on the site typical      |                                | ear?        | es X            | No (If no,                              |  | s.)       |                  |
| Are Vegetation, Soil, or Hydrology                            | a termo construction and anti- |             | -               | 100                                     |  |           |                  |
| Are Vegetation, Soil, or Hydrology                            |                                |             |                 | lain any answers in                     |  |           | -                |
| SUMMARY OF FINDINGS – Attach site r                           |                                |             | 81              | 421                                     |  | faaturas  | e etc            |
| COMMENT OF FINDINGS - Attach site i                           | nap snowing                    | Sampini     | g point loc     | ations, transet                         | its, important                                       | reatures  | s, e.c.          |
| Hydrophytic Vegetation Present? Yes X                         | No                             | Is the      | Sampled Are     | ea                                      |  |           |                  |
|   | No                             | within      | a Wetland?      | Yes>                                    | No   |           |                  |
| Wetland Hydrology Present? Yes X                              | No                             |             |                 |   |  |           |                  |
| Remarks:  |                                |             |                 |   |  |           |                  |
| Mown occasionally.  |                                |             |                 |   |  |           |                  |
| VECETATION - I les scientific names et n                      | lanta                          |             |                 |   |  |           |                  |
| <b>VEGETATION</b> – Use scientific names of p                 |                                | Oominant    | Indicator       |   |  |           |                  |
| Tree Stratum (Plot size: 30 ft )                              |                                | Species?    | Status          | Dominance Test                          | worksheet:   |           |                  |
| Populus deltoides   | 10                             | Yes         | FAC             | Number of Domina                        | nt Species That                                      |           |                  |
| 2   |                                |             |                 | Are OBL, FACW,                          | or FAC:  | 3         | _(A)             |
| 3   |                                |             |                 | Total Number of D                       | ominant Species                                      |           |                  |
| 4   |                                |             |                 | Across All Strata:                      |  | 3         | _ <sup>(B)</sup> |
| 5.  |                                | otal Cover  |                 | Percent of Domina<br>Are OBL, FACW, of  |  | 100.0%    | / A /D\          |
| Sapling/Shrub Stratum (Plot size:                             |                                | Jiai Covei  |                 | Ale OBL, I ACVV,                        |  | 100.070   | _(^()            |
| 1.  |                                |             |                 | Prevalence Index                        | worksheet:   |           |                  |
| 2.  |                                |             | -               | Total % Cove                            | r of: Mul  | tiply by: | _                |
| 3.  |                                |             |                 | OBL species                             | 30 x 1 =   | 30        | _                |
| 4.  | 0 -                            |             |                 | FACW species                            | 70 x 2 =   | 140       | _                |
| 5   |                                |             |                 | FAC species                             | 10 x 3 =   | 30        | _                |
| Hart Otratura (District) 55                                   | =To                            | otal Cover  |                 | FACU species                            | 0 x 4 = _<br>0 x 5 =                                 | 0         | _                |
| Herb Stratum (Plot size: 5ft )  1. Phalaris arundinacea       | 60                             | Yes         | FACW            | UPL species  Column Totals:             |  | 200       | (B)              |
| Lythrum salicaria   | 30                             | Yes         | OBL             | Prevalence Inde                         |  | 1.82      | _(D)             |
| Phragmites australis  | 10                             | No          | FACW            |   |  |           | _                |
| 4.  |                                |             | 3.              | Hydrophytic Vege                        | tation Indicators                                    | :         |                  |
| 5.  |                                |             |                 | X 1 - Rapid Test                        | for Hydrophytic Ve                                   | egetation |                  |
| 6   |                                |             |                 | X 2 - Dominance                         |  |           |                  |
| 7   |                                |             |                 | X 3 - Prevalence                        |  |           | 74               |
| 8.  | - · · · · · · ·                |             |                 |   | cal Adaptations <sup>1</sup> (l<br>arks or on a sepa |           |                  |
| 9.<br>10.   |                                |             |                 |   | ydrophytic Vegetai                                   |           | ,                |
| 10  | 100 =To                        | otal Cover  |                 | Indicators of hydri                     | 8 2 6 68   | 150 15    | -                |
| Woody Vine Stratum (Plot size:                                | )                              |             |                 | be present, unless                      |  |           | must             |
| 1.  |                                |             | Ī               |   | •,   |           |                  |
|   | -0.0                           | - 1         |                 | Hydrophytic                             |  |           |                  |
| 2.  |                                |             |                 | Hydrophytic<br>Vegetation               |  |           |                  |

| Depth Matrix   |   | Rede   | ox Featur  | es  |                                    |  |   |  |   |          |
|--|---|--|--|---|------------------------------------|--|---|--|---|----------|
| inches) Color (moist)  | %                                       | Color (moist)  | %  | Type <sup>1</sup>   | Loc <sup>2</sup>                   | Text   | ure   |  | Remarks   |          |
| 0-3 7.5YR 4/2  | 100                                     |  |  |   |                                    | Loamy/   | Clayey  |  | clay  |          |
| 3-9 7.5YR 4/2  | 90                                      | 7.5YR 4/6  | 10   | С   | М                                  | Loamy/   | Clayey  | Prominent  | redox conce   | ntration |
| 9-16 7.5YR 4/1   | 90                                      | 7.5YR 4/6  | 10   |   |                                    | Loamy/   | Clavev  | Prominent  | redox conce   | ntration |
|  |   |  | _  |   |                                    |  |   |  |   |          |
| <del></del>  |   |  | -  |   |                                    |  |   |  |   |          |
| <del></del>  |   |  | -  | -   |                                    |  |   |  |   |          |
|  |   |  | -  |   |                                    |  |   |  |   |          |
| ype: C=Concentration, D=Deple  | etion RM=                               | -Reduced Matrix  | MS=Mas   | ked San   | d Grains                           |  | <sup>2</sup> Location:  | PL=Pore Lini   | na M=Matrix   | ,        |
| ydric Soil Indicators:   | CHOII, IXIVI                            | -reduced Matrix,   | IVIO-IVIA3   | nca oan   | u Oraliis                          |  |   | for Problem  |   |          |
| Histosol (A1)  |   | Sandy Gl   | eved Mat   | rix (S4)  |                                    |  |   | Prairie Redox  |   |          |
| Histic Epipedon (A2)   |   | Sandy Re   | 8 10000000   | 1 6   |                                    |  |   | anganese Ma  |   |          |
| Black Histic (A3) Stripped Matrix (S6)   |   |  |  |   |                                    |  | arent Material  |  |   |          |
| Hydrogen Sulfide (A4)  Dark Surface (S7)   |   |  |  |   |                                    | 700000000000000000000000000000000000000                                | hallow Dark S   |  | )   |          |
| Stratified Layers (A5)   |   | Loamy M  | 20 20000   | eral (F1)   |                                    |  |   | Explain in Re  | 1000 10   |          |
| 2 cm Muck (A10)  |   | Loamy G  |  |   |                                    |  |   |  |   |          |
| Depleted Below Dark Surface  | (A11)                                   | X Depleted   | HAR-MARKE PROCESSO   |   |                                    |  |   |  |   |          |
| Thick Dark Surface (A12)   | (1179                                   | Redox Da   |  |   |                                    |  | 3Indicators   | of hydrophydi  | c vegetation  | and      |
|  |   |  |  | 0 5   |                                    | Indicators of hydrophytic vegetation and                               |   |  |   |          |
| Sandy Mucky Mineral (S1) 5 cm Mucky Peat or Peat (S3)  |   | — Depleted<br>Redox De   |  |   | ,                                  | wetland hydrology must be present,<br>unless disturbed or problematic. |   |  |   |          |
|  |   |  | prossion   | 3 (1 0)   | 1                                  |  | dilless   | distalbed of   | problematio.  |          |
| estrictive Layer (if observed):  |   |  |  |   |                                    |  |   |  |   |          |
|  |   |  |  |   |                                    |  |   |  |   |          |
| Type:  |   |  |  |   |                                    | Hydric So  | il Present?   |  | Ves X   | No       |
| Depth (inches):  | oils indicat                            | tor Depleted Matri   | x (F3) is  | satisfied   |                                    | Hydric So  | il Present?   |  | Yes_X_  | No_      |
| Depth (inches): emarks: ydric soils are present. Hydric s  | oils indical                            | tor Depleted Matri   | x (F3) is  | satisfied   |                                    | Hydric So  | il Present?   |  | Yes_X_  | No_      |
| Depth (inches): emarks: ydric soils are present. Hydric s  | oils indica                             | tor Depleted Matri   | x (F3) is  | satisfied   |                                    | Hydric So  | il Present?   |  | Yes X   | No_      |
| Depth (inches): emarks: ydric soils are present. Hydric s  YDROLOGY /etland Hydrology Indicators:  |   |  |  | satisfied   |                                    | Hydric So  |   | Indicators (m  |   | 43/6/    |
| Depth (inches): emarks: ydric soils are present. Hydric s  YDROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of or   |   | red; check all that  | apply)   | V 073   |                                    | Hydric So  | Secondary   | Indicators (m  | inimum of tw  | 43/6/    |
| Depth (inches): emarks: ydric soils are present. Hydric so  YDROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of or _Surface Water (A1)  |   | red: check all that<br>Water-Sta   | apply)<br>ained Lea  | aves (B9)   |                                    | Hydric So  | Secondary<br>X Surfac   | e Soil Cracks  | inimum of tw  | 43/6/    |
| Depth (inches): emarks: ydric soils are present. Hydric so  YDROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of orSurface Water (A1)High Water Table (A2)   |   | red: check all thatWater-Sta   | apply)<br>ained Lea<br>auna (B1  | aves (B9)   |                                    | Hydric So  | Secondary<br>X Surfac<br>Draina   | e Soil Cracks<br>ge Patterns (I  | inimum of tw<br>(B6)<br>B10)  | 43/6/    |
| Depth (inches):  temarks: tydric soils are present. Hydric so  YDROLOGY  Vetland Hydrology Indicators: trimary Indicators (minimum of or Surface Water (A1) High Water Table (A2) Saturation (A3)  |   | red; check all thatWater-StaAquatic FTrue Aqu  | apply)<br>ained Lea<br>auna (B1<br>atic Plant  | aves (B9)<br>3)<br>ss (B14)   | )                                  | Hydric So  | Secondary<br>X Surfac<br>Draina<br>Dry-Se                               | e Soil Cracks<br>ge Patterns (I<br>ason Water 1  | inimum of tw<br>(B6)<br>B10)<br>Fable (C2)  | 43/6/    |
| Depth (inches):  Itemarks: Itydric soils are present. Hydric so  YDROLOGY  Vetland Hydrology Indicators: Irimary Indicators (minimum of or Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1)   |   | red: check all thatWater-St:Aquatic FTrue Aqu:Hydrogen   | apply)<br>ained Lea<br>auna (B1<br>atic Plant<br>Sulfide (   | aves (B9)<br>3)<br>3)<br>ss (B14)<br>Odor (C1   | )                                  |  | Secondary X Surfac Draina Dry-Se Crayfis                                | e Soil Cracks<br>ge Patterns (l<br>ason Water 1<br>sh Burrows (C   | inimum of tw<br>(B6)<br>B10)<br>Fable (C2)  | vo requ  |
| Depth (inches): emarks: ydric soils are present. Hydric so  YDROLOGY  Vetland Hydrology Indicators: rimary Indicators (minimum of or Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)  |   | red: check all that  Water-Sta  Aquatic F  True Aqu  Hydrogen  Oxidized  | apply)<br>ained Lea<br>auna (B1<br>atic Plant<br>Sulfide (<br>Rhizosph   | aves (B9)<br>3)<br>s (B14)<br>Odor (C1<br>eres on   | )<br>)<br>Living R                 |  | Secondary X Surfac Draina Dry-Se Crayfis Satura                         | e Soil Cracks<br>ge Patterns (I<br>ason Water 1<br>h Burrows (C<br>tion Visible or                                   | inimum of tw<br>(B6)<br>B10)<br>Fable (C2)<br>:8)   | vo requ  |
| Depth (inches):  Itemarks: Itydric soils are present. Hydric soils  YDROLOGY  Vetland Hydrology Indicators: Irimary Indicators (minimum of or Surface Water (A1) High Water Table (A2) Saturation (A3)  Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)  |   | red: check all that  Water-Sta  Aquatic F  True Aqu. Hydrogen Oxidized Presence  | apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Redu  | aves (B9)<br>3)<br>ss (B14)<br>Odor (C1<br>eres on<br>ced Iron  | )<br>Living R<br>(C4)              | loots (C3)   | Secondary X Surfac Draina Dry-Se Crayfis Satura Stunte                  | e Soil Cracks<br>ge Patterns (I<br>ason Water T<br>th Burrows (C<br>tion Visible or<br>d or Stressed                 | inimum of tw<br>(B6)<br>B10)<br>Fable (C2)<br>8)<br>n Aerial Imag<br>Plants (D1)            | vo requ  |
| Depth (inches):  Pemarks: Pydric soils are present. Hydric soils  YDROLOGY  Vetland Hydrology Indicators: Primary Indicators (minimum of or Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)   |   | red: check all that  Water-Sta  Aquatic F  True Aqu.  Hydrogen  Oxidized  Presence  Recent In  | apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Redu on Redu on Redu  | aves (B9)<br>3)<br>s (B14)<br>Odor (C1<br>eres on<br>ced Iron<br>ition in T                           | )<br>Living R<br>(C4)              | doots (C3)   | Secondary X Surfac Draina Dry-Se Crayfis Satura Stunte X Geome          | e Soil Cracks ge Patterns (I ason Water I sh Burrows (C tion Visible or d or Stressed orphic Positio                 | inimum of tw<br>(B6)<br>B10)<br>Fable (C2)<br>88)<br>A Aerial Imag<br>Plants (D1)<br>n (D2) | vo requ  |
| Depth (inches):  Itemarks: Itydric soils are present. Hydric soils  YDROLOGY  Vetland Hydrology Indicators: Irimary Indicators (minimum of or Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)  | ne is requi                             | red: check all that  Water-Sta  Aquatic F  True Aqu  Hydrogen  Oxidized  Presence  Recent In   | apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Redu on Redu k Surface  | aves (B9) 3) s (B14) Odor (C1 eres on ced Iron stion in T   | )<br>Living R<br>(C4)              | doots (C3)   | Secondary X Surfac Draina Dry-Se Crayfis Satura Stunte X Geome          | e Soil Cracks<br>ge Patterns (I<br>ason Water T<br>th Burrows (C<br>tion Visible or<br>d or Stressed                 | inimum of tw<br>(B6)<br>B10)<br>Fable (C2)<br>88)<br>A Aerial Imag<br>Plants (D1)<br>n (D2) | vo requ  |
| Depth (inches): emarks: ydric soils are present. Hydric so  YDROLOGY  /etland Hydrology Indicators: rimary Indicators (minimum of or Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial In   | ne is requi                             | red: check all that  Water-Sta  Aquatic F  True Aqu  Hydrogen  Oxidized  Presence  Recent In  Thin Muci  | apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc on Reduc k Surface Well Dat                               | aves (B9) 3) s (B14) Odor (C1 eres on ced Iron stion in T e (C7) a (D9)                               | )<br>Living R<br>(C4)<br>illed Soi | doots (C3)   | Secondary X Surfac Draina Dry-Se Crayfis Satura Stunte X Geome          | e Soil Cracks ge Patterns (I ason Water I sh Burrows (C tion Visible or d or Stressed orphic Positio                 | inimum of tw<br>(B6)<br>B10)<br>Fable (C2)<br>88)<br>A Aerial Imag<br>Plants (D1)<br>n (D2) | vo requ  |
| Depth (inches):  Itemarks: Itydric soils are present. Hydric soils  YDROLOGY  Vetland Hydrology Indicators: Irimary Indicators (minimum of or Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial In Sparsely Vegetated Concave   | ne is requi                             | red: check all that  Water-St;  Aquatic F  True Aqu  Hydrogen  Oxidized  Presence  Recent In  Thin Muci  | apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc on Reduc k Surface Well Dat                               | aves (B9) 3) s (B14) Odor (C1 eres on ced Iron stion in T e (C7) a (D9)                               | )<br>Living R<br>(C4)<br>illed Soi | doots (C3)   | Secondary X Surfac Draina Dry-Se Crayfis Satura Stunte X Geome          | e Soil Cracks ge Patterns (I ason Water I sh Burrows (C tion Visible or d or Stressed orphic Positio                 | inimum of tw<br>(B6)<br>B10)<br>Fable (C2)<br>88)<br>A Aerial Imag<br>Plants (D1)<br>n (D2) | vo requ  |
| Depth (inches): emarks: ydric soils are present. Hydric soils yDROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of or Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial In Sparsely Vegetated Concave ield Observations:  | ne is requi<br>nagery (B7<br>Surface (B | red: check all that  Water-Sta  Aquatic F  True Aqu  Hydrogen  Oxidized  Presence  Recent In  Thin Muci  Gauge or  38)  Other (Ex  | apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc on Reduc k Surface Well Dat plain in F                    | aves (B9) 3) s (B14) Ddor (C1) eres on ced Iron ction in T e (C7) ia (D9) Remarks)                    | )<br>Living R<br>(C4)<br>illed Soi | doots (C3)   | Secondary X Surfac Draina Dry-Se Crayfis Satura Stunte X Geome          | e Soil Cracks ge Patterns (I ason Water I sh Burrows (C tion Visible or d or Stressed orphic Positio                 | inimum of tw<br>(B6)<br>B10)<br>Fable (C2)<br>88)<br>A Aerial Imag<br>Plants (D1)<br>n (D2) | vo requ  |
| Depth (inches): emarks: ydric soils are present. Hydric soils ydric so | ne is requi<br>nagery (B7<br>Surface (B | red: check all that  Water-Sta Aquatic F True Aqu Hydrogen Oxidized Presence Recent In Thin Muci 7) Gauge or 38) Other (Ex   | apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc on Reduc k Surface Well Dat plain in F                    | aves (B9) 3) s (B14) Ddor (C1 eres on ced Iron ction in T e (C7) a (D9) Remarks)                      | )<br>Living R<br>(C4)<br>illed Soi | doots (C3)   | Secondary X Surfac Draina Dry-Se Crayfis Satura Stunte X Geome          | e Soil Cracks ge Patterns (I ason Water I sh Burrows (C tion Visible or d or Stressed orphic Positio                 | inimum of tw<br>(B6)<br>B10)<br>Fable (C2)<br>88)<br>A Aerial Imag<br>Plants (D1)<br>n (D2) | vo requ  |
| Depth (inches):  Remarks: Rydric soils are present. Hydric soils are present. Hydric soils are present. Hydric soils Rydric soils are present. Hydric soils are present. Hydri | ne is requi                             | red: check all that  — Water-Sta — Aquatic F — True Aqu — Hydrogen — Oxidized — Presence — Recent In — Thin Mucl 7) — Gauge or 38) — Other (Ex                           | apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc on Reduc k Surface Well Dat plain in F                    | aves (B9); 3) s (B14) Ddor (C1 eres on ced Iron stion in T e (C7) a (D9) Remarks) nches): _ nches): _ | )<br>Living R<br>(C4)<br>illed Soi | loots (C3)   | Secondary X Surface Draina Dry-Se Crayfis Satura Stunte X Geome X FAC-N | e Soil Cracks ge Patterns (I ason Water T th Burrows (C tion Visible or d or Stressed orphic Positiol eutral Test (E | inimum of tw<br>(B6)<br>B10)<br>Fable (C2)<br>8)<br>n Aerial Imag<br>Plants (D1)<br>n (D2)  | vo requ  |
| Depth (inches):  Remarks: Rydric soils are present. Hydric soils are presents (B1)  Setting are present (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Aerial Incompassity Vegetated Concave  Field Observations: Surface Water Present? Yes  Vater Table Present? Yes  Saturation Present? Yes   | ne is requi<br>nagery (B7<br>Surface (B | red: check all that  Water-Sta Aquatic F True Aqu Hydrogen Oxidized Presence Recent In Thin Muci 7) Gauge or 38) Other (Ex   | apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc on Reduc k Surface Well Dat plain in F                    | aves (B9) 3) s (B14) Ddor (C1 eres on ced Iron ction in T e (C7) a (D9) Remarks)                      | )<br>Living R<br>(C4)<br>illed Soi | loots (C3)   | Secondary X Surfac Draina Dry-Se Crayfis Satura Stunte X Geome          | e Soil Cracks ge Patterns (I ason Water T th Burrows (C tion Visible or d or Stressed orphic Positiol eutral Test (E | inimum of tw<br>(B6)<br>B10)<br>Fable (C2)<br>88)<br>A Aerial Imag<br>Plants (D1)<br>n (D2) | vo requ  |
| Depth (inches):  Remarks: Hydric soils are present. Hydric soils are p | ne is requi                             | red: check all that  — Water-Sta — Aquatic F — True Aqu — Hydrogen — Oxidized — Presencer — Recent Iri — Thin Muci 7) — Gauge or 38) — Other (Ex  No — X  No — X  No — X | apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc on Reduc k Surface Well Dat plain in F  Depth (i Depth (i | aves (B9) 3) s (B14) Odor (C1 eres on ced fron ction in T e (C7) ia (D9) Remarks) nches): nches):     | )<br>Living R<br>(C4)<br>illed Soi | oots (C3)  | Secondary X Surfac Draina Dry-Se Crayfis Satura Stunte X Geomo X FAC-N  | e Soil Cracks ge Patterns (I ason Water T th Burrows (C tion Visible or d or Stressed orphic Positiol eutral Test (E | inimum of tw<br>(B6)<br>B10)<br>Fable (C2)<br>8)<br>n Aerial Imag<br>Plants (D1)<br>n (D2)  | vo reau  |
| Depth (inches):  Remarks: Hydric soils are present. Hydric soils are presents (A3)  Water Marks (B1)  Sediment Deposits (B2)  Drift Deposits (B3)  Algal Mat or Crust (B4)  Iron Deposits (B5)  Inundation Visible on Aerial Inc.  Sparsely Vegetated Concave  Field Observations: Surface Water Present? Yes  Vater Table Present? Yes  | ne is requi                             | red: check all that  — Water-Sta — Aquatic F — True Aqu — Hydrogen — Oxidized — Presencer — Recent Iri — Thin Muci 7) — Gauge or 38) — Other (Ex  No — X  No — X  No — X | apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc on Reduc k Surface Well Dat plain in F  Depth (i Depth (i | aves (B9) 3) s (B14) Odor (C1 eres on ced fron ction in T e (C7) ia (D9) Remarks) nches): nches):     | )<br>Living R<br>(C4)<br>illed Soi | oots (C3)  | Secondary X Surfac Draina Dry-Se Crayfis Satura Stunte X Geomo X FAC-N  | e Soil Cracks ge Patterns (I ason Water T th Burrows (C tion Visible or d or Stressed orphic Positiol eutral Test (E | inimum of tw<br>(B6)<br>B10)<br>Fable (C2)<br>8)<br>n Aerial Imag<br>Plants (D1)<br>n (D2)  | vo reau  |
| Depth (inches):  Remarks: Hydric soils are present. Hydric soils are p | ne is requi                             | red: check all that  — Water-Sta — Aquatic F — True Aqu — Hydrogen — Oxidized — Presencer — Recent Iri — Thin Muci 7) — Gauge or 38) — Other (Ex  No — X  No — X  No — X | apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc on Reduc k Surface Well Dat plain in F  Depth (i Depth (i | aves (B9) 3) s (B14) Odor (C1 eres on ced fron ction in T e (C7) ia (D9) Remarks) nches): nches):     | )<br>Living R<br>(C4)<br>illed Soi | oots (C3)  | Secondary X Surfac Draina Dry-Se Crayfis Satura Stunte X Geomo X FAC-N  | e Soil Cracks ge Patterns (I ason Water T th Burrows (C tion Visible or d or Stressed orphic Positiol eutral Test (E | inimum of tw<br>(B6)<br>B10)<br>Fable (C2)<br>8)<br>n Aerial Imag<br>Plants (D1)<br>n (D2)  | vo requ  |

Midwest - Version 2.0

| Project/Site: Chicago O'Hare International Airport (ORD)   | U.S. Army Corps of I<br>WETLAND DETERMINATION DATA   | CONTRACTOR CONTRACTOR  | west Region  | Requirement Control Symbol<br>EXEMPT   |
|--|--|--|--|--|
| AppleanDiComer   City of Chicago   Investigator(s):   Investigator(s   | See ERDC/EL TR-07-24; the propone  | nt agency is C   | ECW-CO-R   | (Authority: AR 335-15, paragraph 5-2a)   |
| Landform (hillside, terrace, etc.):  | Project/Site: Chicago O'Hare International Airport (ORI  | D)   | City/County: Chicago/  | /Cook or DuPage Sampling Date: 8/12/2019   |
| Local relief (concave, convex, none)   | Applicant/Owner: City of Chicago   |  |  | State: IL Sampling Point: NW19-12 U  |
| Signature   Sign   | Investigator(s): Brauna Hartzell, Conor Makepeace, Kim Shannon,  | Mead & Hunt, Inc. S  | ection, Township, Ran  | ge: Section 36, T41N, R11E   |
| Signature   Sign   | Landform (hillside, terrace, etc.):  |  | Local relief (co   | oncave, convex, none): convex  |
| Soil Map Unit Name: <u>\$33 - Urban land (Non-hydric (0%))</u> Are climate: /hydrologic conditions on the site typical for this time of year?  |  |  | Long: -87.93357294   | Datum: WGS84   |
| Are Climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)  Are Vegetation X Soll X or Hydrology significantly disturbed? Are Normal Circumstances' present? Yes X No Are Vegetation — Soll _ or Hydrologynaturally problematic? (If needed, explain any answers in Remarks.)  SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.  Hydrophytic Vegetation Present? Yes X No  | SOCIO ESCONOCIO DALCONO NI CONO. MERCANO NI CONO. MIL MARRIE CONO. ME NA CONOCIO NI CONO |  |  |  |
| Are Vegetation   | · · · · · · · · · · · · · · · · · · ·  |  | r? Yes X   |  |
| Summary   Summ   | CO DE MINIMENTONIMA SECRETA MINIMENTALISMAN ENCAPACIDADAN MARCHANINE ANACAMINA SERVICIA SERVICIANO NO  | no ragnite tracount nation-renor   |  |  |
| SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.  Hydrophytic Vegetation Present?   |  |  |  |  |
| Hydrophytic Vegetation Present?  |  |  |  |  |
| Hydric Soil Present?   Yes   | SUMMARY OF FINDINGS – Attach site ma   | ap showing s   | ampling point loc  | cations, transects, important features, etc  |
| Mown; soils disturbed due to grading to east; altered hydrology present:    VEGETATION — Use scientific names of plants.   | Hydric Soil Present? Yes No  | X  | -  |  |
| Absolute   | STATE OF THE STATE | ydrology present   |  |  |
| Tree Stratum   (Plot size:   | VEGETATION – Use scientific names of pla   | nts.   |  |  |
| 2.   | Tree Stratum (Plot size:)  |  | configuration will be a second to the second   | Dominance Test worksheet:  |
| Total Number of Dominant Species   Across All Stratus   Sample     | 1000   |  |  | and annually appropriate annual area.  |
| 4.   | 2  |  |  |  |
| Percent of Dominant Species That   Are OBL, FACW, or FAC:   66.7% (A/B)  | 3  |  |  |  |
| Sablina/Shrub Stratum  | 5  | <del></del>  |  | And who consider the second se |
| Prevalence Index worksheet:   Total % Cover of:   Multiply by:   | Sanling/Shruh Stratum (Plot size:  |  | al Cover   | Annual Manager and Annual Annu |
| 2.   |  |  | -  | Prevalence Index worksheet:  |
| OBL species   O  | 1000000  |  |  |  |
| 4.       FACW species       10       x 2 = 20         5.       =Total Cover       FACU species       25       x 3 = 75         Herb Stratum       (Plot size: 5ft )       UPL species       65       x 4 = 260         1. Dipsacus fullonum       50       Yes       FACU UPL species       10       x 5 = 50         2. Poa pratensis       20       Yes       FACU Prevalence Index = B/A = 3.68         3. Dipsacus laciniatus       10       No       UPL Prevalence Index = B/A = 3.68         4. Elymus repens       10       No       FACU Prevalence Index = B/A = 3.68         5. Prunella vulgaris       5       No       FACU Prevalence Index = B/A = 3.68         6. Erigeron strigosus       3       No       FACU Prevalence Index = B/A = 3.68         7. Melilotus officinalis       2       No       FACU Prevalence Index = B/A = 3.68         8. Unique of the stratum (Plot size: 15ft)       2       No       FACU Prevalence Index = B/A = 3.68         9. Unique of the stratum (Plot size: 15ft)       10       Text of the stratum Prevalence Index = B/A = 3.68         10. Unique of the stratum (Plot size: 15ft)       10       Text of the stratum Prevalence Index = B/A = 3.68         1. Vitis riparia       10       Yes       FACU Prevalence Index = B/A = 3.68   | 3.   |  |  |  |
| FACU species   65  | 4.   |  |  | FACW species 10 x 2 = 20   |
| Description   Plot size:   5ft   | 5.   |  |  | FAC species 25 x 3 = 75  |
| 1. Dipsacus fullonum  2. Poa pratensis  20 Yes FAC  2. Poa pratensis  3. Dipsacus laciniatus  4. Elymus repens  10 No FACU  5. Prunella vulgaris  6. Erigeron strigosus  7. Melilotus officinalis  8. Substitution of the provided supporting data in Remarks or on a separate sheet.)  10 Yes FACW  10 Yes FACW  10 No FACU  10 Rydrophytic Vegetation Indicators:  10 Rydrophytic Vegetation Indicators:  10 Rydrophytic Vegetation Indicators:  11 Rapid Test for Hydrophytic Vegetation  12 No FACU  3 Prevalence Index is ≤3.0¹  4 Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)  10 Problematic Hydrophytic Vegetation¹ (Explain)  10 Yes FACW  1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  10 Total Cover  10 Total Cover  11 Hydrophytic Vegetation  12 Problematic Hydrophytic Vegetation Indicators:  13 Prevalence Index = B/A = 3.68  14 Hydrophytic Vegetation Indicators:  10 Problematic Hydrophytic Vegetation¹ (Explain)  11 Vitis riparia  10 Yes FACW  12 Hydrophytic Vegetation  13 Prevalence Index = B/A = 3.68  14 Hydrophytic Vegetation Indicators:  15 No FACU  2 Problematic Hydrophytic Vegetation¹ (Explain)  16 Problematic Hydrophytic Vegetation Indicators:  17 Problematic Hydrophytic Vegetation Indicators:  18 Provide supporting data in Remarks or on a separate sheet)  19 Problematic Hydrophytic Vegetation  10 Present? Yes X No  10 Present? Yes X No  |  | =Tota  | al Cover   | FACU species 65 x 4 = 260  |
| 2. Poa pratensis 20 Yes FAC 3. Dipsacus laciniatus 4. Elymus repens 5. Prunella vulgaris 6. Erigeron strigosus 7. Melilotus officinalis 8. 2 No FACU 9. Hydrophytic Vegetation Indicators: 4. Engreno strigosus 7. Melilotus officinalis 8. 2 No FACU 9. 2 No FACU 1. Rapid Test for Hydrophytic Vegetation 2. No FACU 3. Prevalence Index = B/A = 3.68  4. Rapid Test for Hydrophytic Vegetation 3. Prevalence Index is ≤3.0¹ 4. Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 9. 2 No FACU 10 = Total Cover  Woody Vine Stratum 10 Yes FACW 1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  Hydrophytic Vegetation 1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  Hydrophytic Vegetation 10 Tesent? Yes X No  Remarks: (Include photo numbers here or on a separate sheet.)  |  |  |  |  |
| 3. Dipsacus laciniatus 4. Elymus repens 5. Prunella vulgaris 6. Erigeron strigosus 7. Melilotus officinalis 8.   | 1  |  |  |  |
| 4. Elymus repens 5. Prunella vulgaris 6. Erigeron strigosus 7. Melilotus officinalis 8.  |  |  | 2004 C 70 - 2004   | Prevalence Index = B/A = 3.68  |
| 5. Prunella vulgaris 6. Erigeron strigosus 7. Melilotus officinalis 8.   | · · ·  |  |  | Hydrophytic Vagatation Indicators:   |
| 6. Erigeron strigosus 3 No FACU 3 - Dominance Test is >50% 7. Melilotus officinalis 2 No FACU 3 - Prevalence Index is ≤3.0¹ 8. 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 10. 10 = Total Cover   |  |  | The second secon | OF TOTAL NO ORDER WHITE AN ARE OF THE WAY WANT IN THE  |
| 7. Melilotus officinalis 2 No FACU 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 10.  | -  |  |  |  |
| 8  | G. Control of the con |  | - 1 1  | The same of the sa |
| 10.  | 8.   | A. 10  |  |  |
| 100   =Total Cover   1   1   1   1   1   1   1   1   1   | 9.   |  |  | data in Remarks or on a separate sheet)  |
| Woody Vine Stratum (Plot size: 15ft )  1. Vitis riparia 10 Yes FACW  2. Hydrophytic Vegetation Present? Yes X No  Remarks: (Include photo numbers here or on a separate sheet.)  | 10   |  |  | Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)  |
| 1. Vitis riparia 10 Yes FACW Hydrophytic Vegetation Present? Yes X No Remarks: (Include photo numbers here or on a separate sheet.)  | Woody Vine Stratum (Plot size: 15ft )  | 100=Tota   | al Cover   |  |
| 2  |  | 10   | Yes FACW   | Hydrophytic  |
| Remarks: (Include photo numbers here or on a separate sheet.)  | 2.   |  |  |  |
| THE THE CONTROL OF TH |  | 10 =Tota   | al Cover   | 200 - Control of State   |
|  | THE STREET CHARLES CHARLES IN CONTROL TO SHARE STREET CONTROL  | A STATE OF THE PARTY OF THE PAR | n elevation 20 <del>f</del> co   | atac the two Data point at significant break in also when  |

APPENDIX L L-207 NOVEMBER 2022

| Profile Description: (Describe to   |  |  |
|---|--|--|
|   | the depth needed to document the indicator   | or confirm the absence of indicators.)   |
| Depth Matrix  | Redox Features   | 2  |
| inches) Color (moist)   | % Color (moist) % Type Lo  | C <sup>2</sup> Texture Remarks   |
| 0-6 10YR 3/2  | 100  | Loamy/Clayey silt loam   |
| 6-14 10YR 3/2   | 70   | Loamy/Clayey disturbed; some pebbles   |
| 10YR 4/6  | 30   |  |
|   |  | <del></del>  |
|   |  |  |
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| <del></del>   |  |  |
|   | tion, RM=Reduced Matrix, MS=Masked Sand Gra  |  |
| dric Soil Indicators:   | ConducClassed Makin (O4)   | Indicators for Problematic Hydric Soils <sup>3</sup> :   |
| Histosol (A1)   | Sandy Gleyed Matrix (S4)   | Coast Prairie Redox (A16)  |
| Histic Epipedon (A2)  | Sandy Redox (S5)   | Iron-Manganese Masses (F12)  |
| Black Histic (A3)   | Stripped Matrix (S6)   | Red Parent Material (F21)  |
| _Hydrogen Sulfide (A4)<br>Stratified Layers (A5)  | Dark Surface (S7)  | Very Shallow Dark Surface (F22) Other (Explain in Remarks)   |
| 2 cm Muck (A10)   | Loamy Mucky Mineral (F1) Loamy Gleyed Matrix (F2)  | Other (Explain in Remarks)   |
| Depleted Below Dark Surface (   |  |  |
| Thick Dark Surface (A12)  | Redox Dark Surface (F6)  | <sup>3</sup> Indicators of hydrophytic vegetation and  |
| Sandy Mucky Mineral (S1)  | Depleted Dark Surface (F7)   | wetland hydrology must be present,   |
| 5 cm Mucky Peat or Peat (S3)  | Redox Depressions (F8)   | unless disturbed or problematic.   |
| estrictive Layer (if observed):   |  |  |
| Type:   |  |  |
| Depth (inches):   |  | Hydric Soil Present? Yes No  |
| Remarks:  |  |  |
|   |  |  |
| VDBOLOCV  |  |  |
| and and appear and a passage  |  |  |
| etland Hydrology Indicators:  |  |  |
| /etland Hydrology Indicators:<br>rimary Indicators (minimum of one  | 1950 W Sun W W W W W   | State of State Sta |
| Vetland Hydrology Indicators:<br>rimary Indicators (minimum of one<br>Surface Water (A1)  | Water-Stained Leaves (B9)  | Surface Soil Cracks (B6)   |
| fetland Hydrology Indicators:<br>rimary Indicators (minimum of one<br>Surface Water (A1)<br>High Water Table (A2)   | Water-Stained Leaves (B9) Aquatic Fauna (B13)  | Surface Soil Cracks (B6) Drainage Patterns (B10)   |
| fetland Hydrology Indicators:<br>rimary Indicators (minimum of one<br>Surface Water (A1)<br>High Water Table (A2)<br>Saturation (A3)  | Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14)  | Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2)   |
| /etland Hydrology Indicators:<br>rimary Indicators (minimum of one<br>Surface Water (A1)<br>High Water Table (A2)<br>Saturation (A3)<br>Water Marks (B1)  | Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1)   | Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8)   |
| Vetland Hydrology Indicators: rimary Indicators (minimum of one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2)  | Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living   | Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) g Roots (C3) Saturation Visible on Aerial Imagery (C  |
| /etland Hydrology Indicators: rimary Indicators (minimum of one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)  | Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1)   | Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) g Roots (C3) Saturation Visible on Aerial Imagery (C Stunted or Stressed Plants (D1)  |
| Vetland Hydrology Indicators: rimary Indicators (minimum of one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)  | Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S   | Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) g Roots (C3) Saturation Visible on Aerial Imagery (C Stunted or Stressed Plants (D1) Soils (C6) Geomorphic Position (D2)  |
| Vetland Hydrology Indicators: rimary Indicators (minimum of one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)  | Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7)  | Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) g Roots (C3) Saturation Visible on Aerial Imagery (C Stunted or Stressed Plants (D1)  |
| /etland Hydrology Indicators: rimary Indicators (minimum of one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)   | Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) agery (B7) Gauge or Well Data (D9)   | Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) g Roots (C3) Saturation Visible on Aerial Imagery (C Stunted or Stressed Plants (D1) Soils (C6) Geomorphic Position (D2)  |
| Vetland Hydrology Indicators: rimary Indicators (minimum of one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Ima  | Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) agery (B7) Gauge or Well Data (D9)   | Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) g Roots (C3) Saturation Visible on Aerial Imagery (C Stunted or Stressed Plants (D1) Soils (C6) Geomorphic Position (D2)  |
| Vetland Hydrology Indicators: rimary Indicators (minimum of one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Ima Sparsely Vegetated Concave S ield Observations:  | Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) agery (B7) Gauge or Well Data (D9) Surface (B8) Other (Explain in Remarks)   | Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) g Roots (C3) Saturation Visible on Aerial Imagery (C Stunted or Stressed Plants (D1) Soils (C6) Geomorphic Position (D2)  |
| Vetland Hydrology Indicators: rimary Indicators (minimum of one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Ima Sparsely Vegetated Concave S ield Observations: urface Water Present? Yes  | Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) agery (B7) Gauge or Well Data (D9) Surface (B8) No X Depth (inches):   | Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8)  g Roots (C3) Saturation Visible on Aerial Imagery (C Stunted or Stressed Plants (D1) Soils (C6) Geomorphic Position (D2) FAC-Neutral Test (D5)   |
| Vetland Hydrology Indicators:  Primary Indicators (minimum of one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Ima Sparsely Vegetated Concave S  Veter Table Present?  Ves  | Water-Stained Leaves (B9)   Aquatic Fauna (B13)   True Aquatic Plants (B14)   Hydrogen Sulfide Odor (C1)   Oxidized Rhizospheres on Living   Presence of Reduced Iron (C4)   Recent Iron Reduction in Tilled Stain Muck Surface (C7)   agery (B7)   Gauge or Well Data (D9)   Other (Explain in Remarks)   No  | Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8)  g Roots (C3) Saturation Visible on Aerial Imagery (C Stunted or Stressed Plants (D1) Soils (C6) Geomorphic Position (D2) FAC-Neutral Test (D5)   |
| Vetland Hydrology Indicators:  Primary Indicators (minimum of one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Ima Sparsely Vegetated Concave Surface Water Present? Ves Vater Table Present? Ves Saturation Present? Ves   | Water-Stained Leaves (B9)   Aquatic Fauna (B13)   True Aquatic Plants (B14)   Hydrogen Sulfide Odor (C1)   Oxidized Rhizospheres on Living   Presence of Reduced Iron (C4)   Recent Iron Reduction in Tilled Stain Muck Surface (C7)   agery (B7)   Gauge or Well Data (D9)   Other (Explain in Remarks)   No  | Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8)  g Roots (C3) Saturation Visible on Aerial Imagery (C Stunted or Stressed Plants (D1) Soils (C6) Geomorphic Position (D2) FAC-Neutral Test (D5)   |
| Vetland Hydrology Indicators:  Primary Indicators (minimum of one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Ima Sparsely Vegetated Concave Sield Observations:  Purface Water Present? Yes Vater Table Present? Yes Saturation Present? Yes Includes capillary fringe)                                   | Water-Stained Leaves (B9)   Aquatic Fauna (B13)   True Aquatic Plants (B14)   Hydrogen Sulfide Odor (C1)   Oxidized Rhizospheres on Living   Presence of Reduced Iron (C4)   Recent Iron Reduction in Tilled Stain Muck Surface (C7)   agery (B7)   Gauge or Well Data (D9)   Other (Explain in Remarks)   No  | Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) g Roots (C3) Saturation Visible on Aerial Imagery (C Stunted or Stressed Plants (D1) Geomorphic Position (D2) FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No  |
| Vetland Hydrology Indicators: rrimary Indicators (minimum of one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Ima Sparsely Vegetated Concave S ield Observations: rurface Water Present? Ves Vater Table Present? Ves Includes capillary fringe)  | Water-Stained Leaves (B9)   Aquatic Fauna (B13)   True Aquatic Plants (B14)   Hydrogen Sulfide Odor (C1)   Oxidized Rhizospheres on Living   Presence of Reduced Iron (C4)   Recent Iron Reduction in Tilled States (C7)   agery (B7)   Gauge or Well Data (D9)   Other (Explain in Remarks)   No  | Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) g Roots (C3) Saturation Visible on Aerial Imagery (C Stunted or Stressed Plants (D1) Geomorphic Position (D2) FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No  |
| Vetland Hydrology Indicators:  Primary Indicators (minimum of one Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Ima Sparsely Vegetated Concave S Field Observations: Surface Water Present? Yes Saturation Present? Yes Saturation Present? Yes includes capillary fringe) Describe Recorded Data (stream gi | Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) Gauge or Well Data (D9) Surface (B8) Other (Explain in Remarks)  No X Depth (inches): No X Depth (inches): No X Depth (inches): auge, monitoring well, aerial photos, previous inspections | Surface Soil Cracks (B6) Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8) g Roots (C3) Saturation Visible on Aerial Imagery (C: Stunted or Stressed Plants (D1) Geomorphic Position (D2) FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No   |
| High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Ima Sparsely Vegetated Concave S Field Observations: Surface Water Present? Ves Saturation Present? Yes Saturation Present? Yes includes capillary fringe)  | Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled S Thin Muck Surface (C7) Gauge or Well Data (D9) Surface (B8) Other (Explain in Remarks)  No X Depth (inches): No X Depth (inches): No X Depth (inches): auge, monitoring well, aerial photos, previous inspections | Drainage Patterns (B10) Dry-Season Water Table (C2) Crayfish Burrows (C8)  g Roots (C3) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) FAC-Neutral Test (D5)  Wetland Hydrology Present? Yes No  |

| U.S. Army Corps of<br>WETLAND DETERMINATION DATA<br>See ERDC/EL TR-07-24; the propone  | SHEET – M         |                      |                     |  | ent Control Symbol<br>EXEMPT<br>335-15, paragraph 5-2a) |
|--|-------------------|----------------------|---------------------|--|---|
| Project/Site: Chicago O'Hare International Airport (OR   | D)                | _ City/Cour          | nty: Chicago/       | Cook   | Sampling Date: <u>8/12/2019</u>                         |
| Applicant/Owner: City of Chicago   |                   |                      |                     | State:IL   | Sampling Point: NW19-12 WET                             |
| Investigator(s): Brauna Hartzell, Kim Shannon, Mead 8  | Hunt, Inc.        | _Section, T          | ownship, Ran        | ge: Section 36, T41N   | , R11E  |
| Landform (hillside, terrace, etc.): shallow basin  |                   |                      | ocal relief (co     | oncave, convex, none):   | concave   |
| Slope (%): <1% Lat: 42.00139217  |                   | Long:8               | 37.93367659         |  | Datum: WGS84  |
| Soil Map Unit Name: 533 - Urban land (Non-hydric (0%   | 6))               |                      |                     | NWI classi   | fication: PEM   |
| Are climatic / hydrologic conditions on the site typical f   | or this time of y | /ear?                | Yes X               | No (If no, exp   | olain in Remarks.)                                      |
| Are Vegetation X , Soil X , or Hydrology X   | significantly dis | turbed? A            | re "Normal Ci       | rcumstances" present?  | Yes X No  |
| Are Vegetation , Soil , or Hydrology   |                   |                      |                     | lain any answers in Re   |   |
| SUMMARY OF FINDINGS – Attach site m  | an showing        | samnlin              | a point loc         | ations transacts   | important features, etc.                                |
| Hydrophytic Vegetation Present?         Yes X         N.           Hydric Soil Present?         Yes X         N.           Wetland Hydrology Present?         Yes X         N.           Remarks:         N. | <u> </u>          |                      | Sampled Are         |  | No  |
| Mown periodically. Soils very disturbed and hydrology  | altered due to    | earth altera         | tions.              |  |   |
| VEGETATION – Use scientific names of pla   | ınts.             |                      |                     |  |   |
| <u>Tree Stratum</u> (Plot size:) 1 2   |                   | Dominant<br>Species? | Indicator<br>Status | Dominance Test won<br>Number of Dominant<br>Are OBL, FACW, or F  | Species That  |
| 3.<br>4.<br>5.   |                   |                      | = $ $               | Total Number of Dom<br>Across All Strata:<br>Percent of Dominant | 3(B)  |
| Sapling/Shrub Stratum (Plot size:  |                   | otal Cover           | -                   | Are OBL, FACW, or F  |   |
| 1  |                   |                      |                     | Prevalence Index we  |   |
| 2  |                   |                      | ——                  | Total % Cover of   |   |
| 3.   | <del></del>       |                      |                     |  | 8 x 1 = 68<br>2 x 2 = 64                                |
| 5.   |                   |                      | ——                  | tokas passama as tokas as a same                                 | 2 x 3 = 6   |
|  |                   | otal Cover           | ——                  | (4)  | x 4 = 0   |
| Herb Stratum (Plot size: 5ft )   |                   |                      |                     | 100  | x 5 = 0   |
| Eleocharis obtusa  | 45                | Yes                  | OBL                 | Column Totals: 10  | 02 (A) 138 (B)  |
| 2. Phragmites australis  | 30                | Yes                  | FACW                | Prevalence Index   | = B/A = 1.35  |
| 3. Carex stipata   | 20                | Yes                  | OBL                 |  |   |
| 4. Lycopus americanus  | 3                 | No                   | OBL                 | Hydrophytic Vegetat  |   |
| 5. Apocynum cannabinum   | 2                 | No                   | FAC_                |  | Hydrophytic Vegetation                                  |
| 6  |                   |                      |                     | X 2 - Dominance Te   | removed tremoval  |
| 7.<br>8.   |                   |                      | —— I                | X 3 - Prevalence In  | dex is ≤3.0°<br>Adaptations¹ (Provide supporting        |
| 9.   |                   |                      | <del></del>         |  | s or on a separate sheet)                               |
| 10.  | -                 |                      |                     |  | ophytic Vegetation <sup>1</sup> (Explain)               |
| Woody Vine Stratum (Plot size: 15ft  | =T                | otal Cover           | -                   | ¹Indicators of hydric s  | oil and wetland hydrology must sturbed or problematic.  |
| Vitis riparia     Z.   |                   | No                   | FACW                | Hydrophytic<br>Vegetation  | ·   |
|  |                   | otal Cover           |                     | Present? Yes   | X No  |

Remarks: (Include photo numbers here or on a separate sheet.)

Community Type: wet meadow HGM Type: depressional Hydrophytic vegetation is present.

| 0-6 10\  | Matrix<br>r (moist)  |                          |   |   |   |                                     |                             |  |  |
|--|--|--------------------------|---|---|---|-------------------------------------|-----------------------------|--|--|
| 0-6 10\  | r (moist)  | C100                     |   | ox Featur   |   |                                     |                             |  |  |
|  | LONG TO A STATE OF THE STATE OF |                          | Color (moist)   | %   | Type  | Loc                                 | Texture                     | Remarks  |  |
| 6-10 10  | YR 3/2   | 100                      |   |   |   |                                     | Loamy/Clayey                | silt loam  |  |
|  | YR 4/1   | 90                       | 7.5YR 4/6   | 10  | C   | PL/M                                | Loamy/Clayey                | Prominent redox concentration  |  |
|  |  |                          |   |   |   |                                     |                             |  |  |
| Type: C=Concentrati  | ion, D=Deplet  | tion, RM=                | Reduced Matrix,   | MS=Mas  | ked San   | d Grains                            | 2<br>Location:              | PL=Pore Lining, M=Matrix.  |  |
| lydric Soil Indicator  |  |                          | vi-   |   |   |                                     |                             | for Problematic Hydric Soils <sup>3</sup> :  |  |
| Histosol (A1)  |  |                          | Sandy Gle   | eyed Mat  | rix (S4)  |                                     | Coast                       | Prairie Redox (A16)  |  |
| Histic Epipedon (A   | <b>λ2</b> )  |                          | Sandy Re  | dox (S5)  |   |                                     | Iron-N                      | langanese Masses (F12)   |  |
| Black Histic (A3)  |  |                          | Stripped N  | Matrix (Si  | 3)  |                                     | Red F                       | Parent Material (F21)  |  |
| Hydrogen Sulfide   | (A4)   |                          | Dark Surf   |   |   |                                     |                             | Shallow Dark Surface (F22)   |  |
| Stratified Layers (  |  |                          | Loamy Mu  |   | eral (F1)   |                                     |                             | (Explain in Remarks)   |  |
| 2 cm Muck (A10)  |  |                          | Loamy GI  |   |   |                                     |                             |  |  |
| X Depleted Below D   | ark Surface (  | A11)                     | X Depleted  | TAN-BULDONS PROCESSOR   |   |                                     |                             |  |  |
| Thick Dark Surfac  |  | seedada.                 | Redox Da  |   |   |                                     | 3 Indicators                | of hydrophytic vegetation and  |  |
| _  | Sandy Mucky Mineral (S1)   |                          |   | Dark Sur  | 0 5   | Y.                                  |                             | nd hydrology must be present,  |  |
| 5 cm Mucky Peat  |  |                          | Redox De  |   |   |                                     |                             | s disturbed or problematic.  |  |
| Type: ha Depth (inches):   | rd compacted   | 0                        | _   |   |   |                                     | Hydric Soil Present         | ? Yes <u>X</u> No  |  |
| Below Dark Surface (A  |  |                          | SOME MERCAN SCREEN SERVICES   |   |   |                                     |                             |  |  |
|  |  |                          |   |   |   |                                     |                             |  |  |
| poster plet appears places between   | ndicators:   |                          |   |   |   |                                     |                             |  |  |
| Wetland Hydrology I  |  | e is require             | ed: check all that  | apply)  |   |                                     | Secondar                    | / Indicators (minimum of two regu  |  |
| Vetland Hydrology In<br>Primary Indicators (mi   | inimum of one  | ∋ is require             | home control to their   | PM 973 AM   | aves (B9)   |                                     |                             | / Indicators (minimum of two requ  |  |
| Wetland Hydrology In<br>Primary Indicators (mi<br>Surface Water (A   | inimum of one  | e is require             | X Water-Sta   | ained Lea   |   |                                     | Surfac                      | ce Soil Cracks (B6)  |  |
| Vetland Hydrology In<br>Primary Indicators (mi<br>Surface Water (A<br>High Water Table   | inimum of one  | e is require             | X Water-Sta   | ained Lea<br>auna (B1   | 3)  |                                     | Surface Drains              | ce Soil Cracks (B6)<br>age Patterns (B10)  |  |
| Wetland Hydrology In<br>Primary Indicators (mi<br>Surface Water (A   | inimum of one<br>1)<br>(A2)  | e is requir              | X Water-Sta   | ained Lea<br>auna (B1<br>atic Plant   | 3)<br>s (B14)   |                                     | Surface Draina Dry-S        | ce Soil Cracks (B6)<br>age Patterns (B10)<br>eason Water Table (C2)  |  |
| Vetland Hydrology In<br>Primary Indicators (mi<br>Surface Water (A<br>High Water Table<br>Saturation (A3)  | inimum of one<br>1)<br>(A2)  | e is requir              | X Water-Sta Aquatic F True Aqua   | ained Lea<br>auna (B1<br>atic Plant<br>Sulfide (  | 3)<br>s (B14)<br>Odor (C1   | )                                   | Surface Draina Dry-S Crayfi | ce Soil Cracks (B6)<br>age Patterns (B10)  |  |
| Vetland Hydrology In<br>Primary Indicators (mi<br>Surface Water (A'<br>High Water Table<br>Saturation (A3)<br>Water Marks (B1)   | nimum of one<br>1)<br>(A2)<br>s (B2)   | e is requin              | X Water-Sta Aquatic F True Aqua Hydrogen  | ained Lea<br>auna (B1<br>atic Plant<br>Sulfide (<br>Rhizosph  | 3)<br>s (B14)<br>Odor (C1<br>eres on  | )<br>Living R                       | Surfact                     | ce Soil Cracks (B6)<br>age Patterns (B10)<br>eason Water Table (C2)<br>sh Burrows (C8)   |  |
| Vetland Hydrology In<br>Primary Indicators (mi<br>Surface Water (A'<br>High Water Table<br>Saturation (A3)<br>Water Marks (B1)<br>Sediment Deposit   | nimum of one<br>1)<br>(A2)<br>s (B2)   | e is requir              | X Water-Sta Aquatic F True Aqua Hydrogen X Oxidized   | ained Lea<br>auna (B1<br>atic Plant<br>Sulfide (<br>Rhizosph<br>of Redu   | 3)<br>s (B14)<br>Odor (C1<br>eres on<br>ced Iron  | )<br>Living R<br>(C4)               | Surfact                     | ce Soil Cracks (B6)<br>age Patterns (B10)<br>eason Water Table (C2)<br>sh Burrows (C8)<br>ation Visible on Aerial Imagery (C   |  |
| Wetland Hydrology In Primary Indicators (mi Surface Water (A' High Water Table Saturation (A3) Water Marks (B1) Sediment Deposits (B3)   | s (B2)<br>(B4)   | ə is requin              | X Water-Sta Aquatic F True Aqua Hydrogen X Oxidized Presence  | ained Lea<br>auna (B1<br>atic Plant<br>Sulfide (<br>Rhizosph<br>of Reduc  | 3) s (B14) Odor (C1 eres on ced Iron etion in Ti  | )<br>Living R<br>(C4)               | Surfact                     | ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (Ce ed or Stressed Plants (D1) oorphic Position (D2)                 |  |
| Vetland Hydrology II Primary Indicators (mi Surface Water (A' High Water Table Saturation (A3) Water Marks (B1) Sediment Deposit Drift Deposits (B3) Algal Mat or Crust  | inimum of one<br>1)<br>(A2)<br>s (B2)<br>)<br>t (B4)   |                          | X Water-Sta Aquatic F True Aqua Hydrogen X Oxidized Presence Recent Iro Thin Muck                         | ained Lea<br>auna (B1<br>atic Plant<br>Sulfide (<br>Rhizosph<br>of Reduc<br>on Reduc<br>Surface                                       | 3) cs (B14) Odor (C1 eres on ced Iron ction in Ti   | )<br>Living R<br>(C4)               | Surfact                     | ce Soil Cracks (B6)<br>age Patterns (B10)<br>eason Water Table (C2)<br>sh Burrows (C8)<br>ation Visible on Aerial Imagery (C<br>ed or Stressed Plants (D1)                         |  |
| Vetland Hydrology In<br>rimary Indicators (mi<br>Surface Water (A'<br>High Water Table<br>Saturation (A3)<br>Water Marks (B1)<br>Sediment Deposits<br>Drift Deposits (B3)<br>Algal Mat or Crust<br>Iron Deposits (B5)  | inimum of one  (A2)  s (B2)  (B4)  on Aerial Ima   | agery (B7)               | X Water-Sta Aquatic F. True Aqua Hydrogen X Oxidized Presence Recent Ind Thin Muck Gauge or               | ained Lea<br>auna (B1<br>atic Plant<br>Sulfide (<br>Rhizosph<br>of Reduc<br>on Reduc<br>Surface<br>Well Dat                           | 3) s (B14) Odor (C1 eres on ced Iron etion in Te e (C7) sa (D9)                             | )<br>Living R<br>(C4)               | Surfact                     | ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (Ce ed or Stressed Plants (D1) oorphic Position (D2)                 |  |
| Vetland Hydrology In<br>Primary Indicators (mi<br>Surface Water (A'<br>High Water Table<br>Saturation (A3)<br>Water Marks (B1)<br>Sediment Deposits<br>Drift Deposits (B3)<br>Algal Mat or Crust<br>Iron Deposits (B5)<br>Inundation Visible<br>Sparsely Vegetate                              | inimum of one  (A2)  s (B2)  (B4)  on Aerial Ima   | agery (B7)               | X Water-Sta Aquatic F. True Aqua Hydrogen X Oxidized Presence Recent Ind Thin Muck Gauge or               | ained Lea<br>auna (B1<br>atic Plant<br>Sulfide (<br>Rhizosph<br>of Reduc<br>on Reduc<br>Surface<br>Well Dat                           | 3) s (B14) Odor (C1 eres on ced Iron etion in Te e (C7) sa (D9)                             | )<br>Living R<br>(C4)               | Surfact                     | ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (Ce ed or Stressed Plants (D1) oorphic Position (D2)                 |  |
| Wetland Hydrology In Primary Indicators (mi Surface Water (A' High Water Table Saturation (A3) Water Marks (B1) Sediment Deposits Drift Deposits (B3) Algal Mat or Crust Iron Deposits (B5) Inundation Visible Sparsely Vegetate   | inimum of one  (A2)  s (B2)  c (B4)  on Aerial Imaged Concave S  | agery (B7)<br>Surface (B | X Water-Sta Aquatic F True Aqua Hydrogen X Oxidized I Presence Recent Ind Thin Much Gauge or 8) Other (Ex | ained Lea<br>auna (B1<br>atic Plant<br>Sulfide (<br>Rhizosph<br>of Reduc<br>on Reduc<br>Surface<br>Well Dat<br>plain in F             | 3) s (B14) Odor (C1 eres on ced Iron stion in To e (C7) a (D9) Remarks)                     | )<br>Living R<br>(C4)               | Surfact                     | ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (Ce ed or Stressed Plants (D1) oorphic Position (D2)                 |  |
| Wetland Hydrology II Primary Indicators (mi Surface Water (A' High Water Table Saturation (A3) Water Marks (B1) Sediment Deposits Drift Deposits (B3) Algal Mat or Crust Iron Deposits (B5) Inundation Visible Sparsely Vegetate Field Observations: Surface Water Presen                      | inimum of one  (A2)  s (B2)  ) c (B4)  on Aerial Imaged Concave Seatt?  Yes  | agery (B7)<br>Surface (B | X Water-Sta Aquatic F True Aqua Hydrogen X Oxidized Presence Recent Ind Thin Muck Gauge or Other (Ex      | ained Lea<br>auna (B1<br>atic Plant<br>Sulfide (<br>Rhizosph<br>of Reduc<br>on Reduc<br>Surface<br>Well Dat<br>plain in F             | 3) s (B14) Odor (C1 eres on ced Iron stion in Ti e (C7) a (D9) Remarks)                     | )<br>Living R<br>(C4)<br>Iled Soil  | Surfact                     | ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (Ce ed or Stressed Plants (D1) oorphic Position (D2)                 |  |
| High Water Table Saturation (A3) Water Marks (B1) Sediment Deposit Drift Deposits (B3) Algal Mat or Crust Iron Deposits (B5) Inundation Visible Sparsely Vegetate Field Observations: Surface Water Present?   | inimum of one  (A2)  s (B2)  c (B4)  on Aerial Imaged Concave S  at? Yes  Yes  | agery (B7)<br>Surface (B | X   Water-Sta   | ained Lea<br>auna (B1<br>atic Plant<br>Sulfide (<br>Rhizosph<br>of Reduc<br>on Reduc<br>of Surface<br>Well Dat<br>plain in F          | 3) s (B14) Odor (C1 eres on ced Iron ction in Ti e (C7) a (D9) Remarks) nches):             | )<br>Living R<br>(C4)<br>Iled Soil  | Surfac                      | ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (Ced) or Stressed Plants (D1) orphic Position (D2) Neutral Test (D5) |  |
| Wetland Hydrology II Primary Indicators (mi Surface Water (A' High Water Table Saturation (A3) Water Marks (B1) Sediment Deposit Drift Deposits (B3) Algal Mat or Crust Iron Deposits (B5) Inundation Visible Sparsely Vegetate Field Observations: Surface Water Present Water Table Present? | s (B2) ) on Aerial Imaged Concave S  tat? Yes Yes Yes  | agery (B7)<br>Surface (B | X Water-Sta Aquatic F True Aqua Hydrogen X Oxidized Presence Recent Ind Thin Muck Gauge or Other (Ex      | ained Lea<br>auna (B1<br>atic Plant<br>Sulfide (<br>Rhizosph<br>of Reduc<br>on Reduc<br>of Surface<br>Well Dat<br>plain in F          | 3) s (B14) Odor (C1 eres on ced Iron stion in Ti e (C7) a (D9) Remarks)                     | )<br>Living R<br>(C4)<br>Iled Soil  | Surfact                     | ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (Ced) or Stressed Plants (D1) orphic Position (D2) Neutral Test (D5) |  |
| Wetland Hydrology II Primary Indicators (mi Surface Water (A' High Water Table Saturation (A3) Water Marks (B1) Sediment Deposits Drift Deposits (B3) Algal Mat or Crust Iron Deposits (B5) Inundation Visible Sparsely Vegetate Field Observations: Surface Water Present?                    | inimum of one  (A2)  s (B2)  c (B4)  on Aerial Imaded Concave Services  tree Yes Yes ge)   | agery (B7)<br>Surface (B | X   Water-Sta   | ained Lea<br>auna (B1<br>atic Plant<br>Sulfide (<br>Rhizosph<br>of Reduc<br>Surface<br>Well Dat<br>plain in F<br>Depth (i<br>Depth (i | 3) s (B14) Odor (C1 leres on ced Iron tition in Tit e (C7) ca (D9) Remarks) nches): nches): | )<br>Living R<br>(C4)<br>Illed Soil | Surfact                     | ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (Ced) or Stressed Plants (D1) orphic Position (D2) Neutral Test (D5) |  |

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U.S. Army Corps of Engineers

Requirement Control Symbol

| See ERDC/EL TR-07-24; the proportion of the prop |                               |                          |               | 40  | :ХЕМРТ<br>335-15, paragraph 5                       | -2a)     |
|--|-------------------------------|--------------------------|---------------|---|---|----------|
| Project/Site: Chicago O'Hare International Airport (C  |                               |                          |               | DuPage  | Sampling Date: 8/27/2                               | 2019     |
| Applicant/Owner: City of Chicago   | ALD)                          | City/County.             | Cilicago      |   | Sampling Point: NW19                                |          |
| Investigator(s): Brauna Hartzell, Conor Makepeace, Kim Shann   | on Mond 9 Unit Inc            | Section Towns            | chin Dane     |   | NO 1997   | -77 OF L |
| = "  |                               | -                        | 15 10 10      |   |   |          |
|  |                               |                          |               | ncave, convex, none):   |   |          |
| Slope (%): 1% Lat: 41.99176555   |                               |                          |               |   |   |          |
| Soil Map Unit Name: 805B - Orthents, clayey, undul   | ating (Predominar             | ntly Non-hydric (        | (6%))         | NWI classifi  | cation:   |          |
| Are climatic / hydrologic conditions on the site typical   | ne bene raemer manaer metelen |                          | _X            |   |   |          |
| Are Vegetation X , Soil X , or Hydrology   | significantly dist            | turbed? Are "N           | Normal Cir    | cumstances" present?  | Yes X No  | -        |
| Are Vegetation, Soil, or Hydrology   | naturally proble              | matic? (If nee           | eded, expl    | ain any answers in Ren  | narks.)   |          |
| SUMMARY OF FINDINGS – Attach site  | map showing                   | sampling p               | oint loc      | ations, transects,  | important features                                  | , etc.   |
| Hydric Soil Present? Yes Wetland Hydrology Present? Yes  | No X<br>No X<br>No X          | Is the Sam<br>within a W | -             | a<br>Yes  | No_X_   |          |
| Remarks:<br>Area mown regularly; road fillslope and road constr  | ruction.                      |                          |               |   |   |          |
| VEGETATION – Use scientific names of p   |                               |                          |               |   |   |          |
| Tree Stratum (Diet size:   |                               |                          | icator        | Dominance Test wor  | /choot:   |          |
| Tree Stratum   | % Cover S                     | species? St              | atus_         | Number of Dominant S<br>Are OBL, FACW, or FA                    | Species That  | (A)      |
| 3. 4.  |                               |                          | _             | Total Number of Domi  |   | (B)      |
| 5.   |                               |                          | _             | Percent of Dominant S   | pecies That   | -        |
| Sapling/Shrub Stratum (Plot size:  |                               | otal Cover               |               | Are OBL, FACW, or FA  | AC: <u>50.0%</u>                                    | (A/B)    |
| 1  |                               |                          |               | Prevalence Index wo   | rksheet:  |          |
| 2.   |                               |                          |               | Total % Cover of:   |   |          |
| 3  | <del></del>                   |                          |               |   | x1 =0   | •        |
| 4  |                               | 2 (0                     |               | FACW species 0  | 100000000000000000000000000000000000000             |          |
| 5.   |                               | - 0                      |               | 0.20  | x 3 = 105   | -        |
|  | =T:                           | otal Cover               |               | FACU species 65   | ASS OF  | -        |
| Herb Stratum (Plot size: 5ft )   | 40                            | V                        |               |   | x 5 = 0   | - (D)    |
| Schedonorus arundinaceus     Setevia pumila  | <u>40</u>                     |                          | ACU_          | Prevalence Index =  | O (A) 365   | (B)      |
| Setaria pumila     Poa pratensis   |                               |                          | AC AC         | Prevalence index =  | B/A = 3.65  | -        |
| Ambrosia artemisiifolia  | - <del>13</del> -             |                          | ACU ACU       | Hydrophytic Vegetati  | on Indicators:                                      |          |
| Plantago lanceolata  | 5                             |                          | ACU           | AL AND SERVICE MARKS IN   | Hydrophytic Vegetation                              |          |
| 6. Trifolium pratense  | 5                             |                          | ACU           | 2 - Dominance Te  | 130 1/ 8 1/8  |          |
| 7. Glechoma hederacea  |                               |                          | ACU           | 3 - Prevalence Ind  | annous areasons,                                    |          |
| 8.   |                               |                          |               |   | Adaptations <sup>1</sup> (Provide sup               | portin   |
| 9.   |                               |                          |               |   | s or on a separate sheet)                           |          |
| 10.  |                               |                          |               | Problematic Hydro   | phytic Vegetation <sup>1</sup> (Expla               | in)      |
| Woody Vine Stratum (Plot size:   | 100 =T                        | otal Cover               |               | <sup>1</sup> Indicators of hydric so<br>be present, unless dist | il and wetland hydrology r<br>urbed or problematic. | must     |
| 1.   |                               |                          |               | Hydrophytic   | <u> </u>  |          |
| 2.   |                               |                          |               | Vegetation  |   |          |
| 3-   | =T                            | otal Cover               |               | Present? Yes_   | No X  |          |
| Remarks: (Include photo numbers here or on a se<br>Community Type: developed land HGM Type: N/A Hydro  |                               | not present. Point       | is about 2f   | t higher and about 20ft aw                                      | av from paired wetland data r                       | noint    |
|  | Physic vegetation is          | noc present. Fullt       | . 13 αυθαί 21 | t myner and about zoil aw                                       |   |          |
| ENG FORM 6116-7-SG, JUL 2018   |                               |                          |               |   | Midwest – Ver                                       | sion 2   |

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APPENDIX L L-212 NOVEMBER 2022

| U.S. Army Corps of<br>WETLAND DETERMINATION DATA  | 124 Maria - 124  |               | egion            | Requirement Control Symbol<br>EXEMPT  |
|---|--|---------------|------------------|---|
| See ERDC/EL TR-07-24; the propone   | ent agency i   | s CECW-0      | CO-R             | (Authority: AR 335-15, paragraph 5-2a)  |
| Project/Site: Chicago O'Hare International Airport (OR  | !D)  | City/Cour     | nty: Chicago/    | DuPage Sampling Date: 8/27/2019   |
| Applicant/Owner: City of Chicago  |  |               |                  | State: IL Sampling Point: NW19-77 WET   |
| Investigator(s): Brauna Hartzell, Conor Makepeace, Kim Shannon                                  | , Mead & Hunt, Inc   | Section, T    | ownship, Ran     | ge: Section 1, T40N, R11E   |
| Landform (hillside, terrace, etc.): shallow swale   |  |               | _ocal relief (co | oncave, convex, none): concave  |
| Slope (%): <1% Lat: 41.99181191   |  | Long: -       | 87.93587789      | Datum: WGS84  |
| Soil Map Unit Name: 805B - Orthents, clayey, undulat  | ina (Predomin  | antly Non-hy  | dric (6%))       | NWI classification: PEM   |
| Are climatic / hydrologic conditions on the site typical  |  |               | Yes X            |   |
| Are Vegetation X , Soil X , or Hydrology  |  |               |                  |   |
| Are Vegetation, Soil, or Hydrology  |  |               |                  |   |
|   |  |               |                  |   |
| SUMMARY OF FINDINGS – Attach site m   | ap showing   | g samplin     | g point loc      | cations, transects, important features, etc.  |
| Hydric Soil Present? Yes X N  | lo<br>lo   |               | Sampled Are      | Yes <u>X</u> No   |
| VEGETATION – Use scientific names of pla  | ants   |               |                  |   |
|   | Absolute   | Dominant      | Indicator        |   |
| Tree Stratum (Plot size:)   | % Cover  | Species?      | Status           | Dominance Test worksheet:   |
| 1.  |  |               |                  | Number of Dominant Species That   |
| 2   |  |               |                  | Are OBL, FACW, or FAC: 1 (A)  |
| 3.  | B ( <del></del>  |               | <del></del>      | Total Number of Dominant Species  |
| 4   | (I <del></del>   |               |                  | Across All Strata: 1 (B)  |
| 5.  | · ——   | T-1-1 O       | <del></del>      | Percent of Dominant Species That  |
| Sapling/Shrub Stratum (Plot size:   | _  | Total Cover   |                  | Are OBL, FACW, or FAC: 100.0% (A/B)   |
| 1.  |  |               |                  | Prevalence Index worksheet:   |
| 2.  | -  |               |                  | Total % Cover of: Multiply by:  |
| 3.  |  |               |                  | OBL species 10 x 1 = 10   |
| 4.  | A <del></del>  |               |                  | FACW species 65 x 2 = 130   |
| 5.  | n -  |               |                  | FAC species 2 x 3 = 6   |
| -   | =  | Total Cover   |                  | FACU species 0 x 4 = 0  |
| Herb Stratum (Plot size: 5ft )  |  |               |                  | UPL species 0 x 5 = 0   |
| Echinochloa crus-galli  | 50   | Yes           | FACW             | Column Totals: 77 (A) 146 (B)   |
| 2. Persicaria pensylvanica  | 10   | No            | FACW             | Prevalence Index = B/A = 1.90   |
| 3. Typha angustifolia   | 5  | No            | OBL              |   |
| 4. Cyperus esculentus   | 5  | No            | FACW             | Hydrophytic Vegetation Indicators:  |
| 5. Glyceria striata   | 5  | No            | OBL              | 1 - Rapid Test for Hydrophytic Vegetation   |
| 6. Populus tremuloides  | 2  | No            | FAC              | X 2 - Dominance Test is >50%  |
| 7   |  |               |                  | X 3 - Prevalence Index is ≤3.01   |
| 8   | . ——   |               |                  | 4 - Morphological Adaptations (Provide supporting   |
| 9   |  |               |                  | data in Remarks or on a separate sheet)   |
| 10  |  |               |                  | Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)   |
| Woody Vine Stratum (Plot size:  | 77 =   | Total Cover   |                  | <sup>1</sup> Indicators of hydric soil and wetland hydrology must<br>be present, unless disturbed or problematic. |
| 1   | 8 <del></del>  |               | l                | Hydrophytic   |
| 2   |  |               |                  | Vegetation  |
|   |  | Total Cover   |                  | Present? Yes X No   |
| Remarks: (Include photo numbers here or on a sepa<br>Community Type: wet meadow HGM Type: depre | Commence of the Commence of th | ophytic veget | ation is preser  | nt. Bare soil due to standing water   |

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| Donth   | montetessesses konvents menn n   | to the dep   |   |  |  | atol Of (                           | confirm the absence  | or marcator  | 3.1   |         |
|---|--|--|---|--|--|-------------------------------------|--|--|---|---------|
| Depth<br>(inches)   | Matrix   | 0/   | Color (moist)   | ox Featu   | - 4  | Loc <sup>2</sup>                    | Touture  |  | Domorko   |         |
| inches)   | Color (moist)  | <u>%</u>   | Color (moist)   | %  | Туре   | LOC                                 | Texture  |  | Remarks   |         |
| 0-7   | 7.5YR 2.5/1  | 100  | (0_27/196 90_3) (gg),00   | -  | 600  | 900                                 | Loamy/Clayey   | 2000 0   | silty clay  | 1090    |
| 7-16  | 10YR 5/2   | 60   | 7.5YR 4/6   | 5  | <u>C</u>   | M                                   | Loamy/Clayey   | Promin   | ent redox concer  | tration |
|   | 10YR 5/3   | 35   |   |  | _  |                                     | Loamy/Clayey   | loai   | my clay for this la   | yer     |
|   |  |  |   | -  | =  | =                                   |  | *  |   |         |
| Type: C=C   | oncentration, D=Dep  | letion, RM   | =Reduced Matrix,  | MS=Mas   | ked San  | d Grains                            | Locatio  | n: PL=Pore I   | Lining, M=Matrix.   | 0       |
| Hydric Soil   | Indicators:  |  | vê  |  |  |                                     |  |  | ematic Hydric S   |         |
| Histoso   | (A1)   |  | Sandy Gle   | eyed Mai   | trix (S4)  |                                     | Coa  | st Prairie Re  | dox (A16)   |         |
| Histic E  | pipedon (A2)   |  | Sandy Re  | dox (S5)   |  |                                     | Iron   | -Manganese   | Masses (F12)  |         |
| Black H   | istic (A3)   |  | Stripped M  | Matrix (S  | 6)   |                                     | Red  | Parent Mate  | erial (F21)   |         |
| Hydroge   | en Sulfide (A4)  |  | Dark Surfa  | ace (S7)   |  |                                     | Ver  | y Shallow Dai  | rk Surface (F22)  |         |
| Stratifie   | d Layers (A5)  |  | Loamy Mu  | ucky Min   | eral (F1)  |                                     | Oth  | er (Explain in   | Remarks)  |         |
| _   | uck (A10)  |  | Loamy Gl  |  |  |                                     |  | (A)  |   |         |
| 200000000000000000000000000000000000000   | d Below Dark Surface   | e (A11)  | X Depleted  |  |  |                                     |  |  |   |         |
| Thick D   | ark Surface (A12)  |  | Redox Da  | rk Surfa   | ce (F6)  |                                     | 3Indicate  | ors of hydroph   | nytic vegetation a  | ınd     |
| _   | Mucky Mineral (S1)   |  | Depleted  |  | 2 2  | )                                   |  | 8 16   | y must be prese   |         |
|   | ucky Peat or Peat (S3  | 3)   | Redox De  |  | 12 /2  |                                     |  | 100 100  | or problematic.   | .53     |
| Restrictive   | Layer (if observed):   | {  |   |  |  |                                     |  |  |   |         |
| Tomas   |  |  |   |  |  |                                     |  |  |   |         |
| Type:   |  |  |   |  |  |                                     |  |  |   |         |
| Depth (i<br>Remarks:  | nches): are present. Hydric s  | soils indica   | ators Depleted Belo   | ow Dark  | Surface (  | A11) an                             | Hydric Soil Presel   | 0000000  | Yes X   | No_     |
| Depth (i<br>Remarks:  |  | soils indica   | ators Depleted Belo   | ow Dark  | Surface (.   | A11) an                             | 20 40004204 0021000004 002000000   | 0000000  | 20005-197   | No_     |
| Depth (i<br>Remarks:  | are present. Hydric s  | soils indica   | ators Depleted Belo   | ow Dark  | Surface (.   | A11) an                             | 20 40004204 0021000004 002000000   | 0000000  | 20005-197   | No _    |
| Depth (i<br>Remarks:<br>Hydric soils<br>HYDROLO<br>Wetland Hy   | are present. Hydric s  |  |   |  | Surface (.   | A11) an                             | d Depleted Matrix (F3  | s) are satisfie  | <b>d.</b>   | 43.00   |
| Depth (i<br>Remarks:<br>Hydric soils<br>HYDROLO<br>Wetland Hy<br>Primary Ind  | are present. Hydric s  DGY  rdrology Indicators: cators (minimum of c  |  | ired: check all that  | apply)   |  |                                     | d Depleted Matrix (F3  | s) are satisfied   | d.  | 43.00   |
| Depth (i<br>Remarks:<br>Hydric soils<br>HYDROLO<br>Wetland Hy<br>Primary Ind<br>Surface   | are present. Hydric s  OGY  rdrology Indicators: cators (minimum of c  Water (A1)  |  | ired; check all that<br>Water-Sta   | apply)<br>ained Lea  | aves (B9)  |                                     | d Depleted Matrix (F3  | are satisfied<br>ary Indicators<br>face Soil Crac  | d.<br><u>s (minimum of two</u><br>cks (B6)  | 43.00   |
| Depth (i Remarks: Hydric soils HYDROLO Wetland Hy Primary Ind Surface High Wi   | are present. Hydric s  OGY  rdrology Indicators: cators (minimum of c  Water (A1) ater Table (A2)  |  | i <u>ired: check all that</u><br>Water-Sta<br>Aquatic Fi  | apply)<br>ained Lea<br>auna (B1  | aves (B9)  |                                     | d Depleted Matrix (F3  | are satisfied<br>ary Indicators<br>face Soil Cradinage Pattern   | d.  s (minimum of two cks (B6) us (B10)   | 43.00   |
| Depth (i Remarks: Hydric soils HYDROLO Wetland Hy Primary Ind Surface High Wi Saturati  | are present. Hydric solutions: cators (minimum of cators (Mater (A1) ater Table (A2) on (A3)   |  | i <u>ired: check all that</u><br>Water-Sta<br>Aquatic Fi<br>True Aqua   | apply)<br>ained Lea<br>auna (B1<br>atic Plani  | aves (B9)<br>13)<br>ts (B14)   |                                     | d Depleted Matrix (F3  | ary Indicators<br>face Soil Crac<br>inage Pattern<br>Season Wat  | d.  s (minimum of two cks (B6) as (B10) er Table (C2)   | 43.00   |
| Depth (i Remarks: Hydric soils  HYDROLC  Wetland Hy Primary Ind Surface High W: Saturati Water M  | are present. Hydric solutions: cators (minimum of cators (Mater (A1) ater Table (A2) on (A3)   |  | iired; check all thatWater-Sta<br>Aquatic Fi<br>True Aqua<br>Hydrogen   | apply)<br>ained Lea<br>auna (B1<br>atic Plan<br>Sulfide  | aves (B9)<br>(3)<br>ts (B14)<br>Odor (C1   | )                                   | d Depleted Matrix (F3  | ary Indicators<br>face Soil Crac<br>inage Pattern<br>Season Wat<br>yfish Burrows   | d.  G.(minimum of two cks (B6) as (B10) er Table (C2) s (C8)  | o requi |
| Depth (i Remarks: Hydric soils  HYDROLC  Wetland Hy Primary Ind Surface High Water M Sedime   | are present. Hydric s  OGY  rdrology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) flarks (B1) nt Deposits (B2)  |  | iired; check all that  Water-Ste  Aquatic Fi  True Aqua Hydrogen Oxidized I   | apply)<br>ained Lea<br>auna (B1<br>atic Plan<br>Sulfide<br>Rhizosph  | aves (B9)<br>13)<br>ts (B14)<br>Odor (C1<br>neres on l   | )<br>Living R                       | Second   X Sur   Dra   Dry   Cra   Cra | ary Indicators<br>face Soil Crac<br>inage Pattern<br>Season Water<br>offish Burrows<br>uration Visible   | d.  i. (minimum of two cks (B6) is (B10) er Table (C2) is (C8) e on Aerial Image                                  | o requi |
| Depth (i Remarks: Hydric soils  HYDROLC  Wetland Hy Primary Indi Surface High W: Saturati Water N Sedime Drift De   | are present. Hydric s  OGY  vidrology Indicators: cators (minimum of c  Water (A1) ater Table (A2) on (A3) farks (B1) nt Deposits (B2) posits (B3)   |  | ired: check all that  Water-Sta  Aquatic F:  True Aqua  Hydrogen  Oxidized I  | apply)<br>ained Lea<br>auna (B1<br>atic Plan<br>Sulfide<br>Rhizosph<br>of Redu                               | aves (B9)<br>13)<br>ts (B14)<br>Odor (C1<br>heres on loced Iron (  | )<br>Living R<br>(C4)               | Second   X Sur   Dra   Dra   Cra   Cra   Sat   Stu   Stu | ary Indicators<br>face Soil Crac<br>inage Pattern<br>Season Wate<br>offish Burrows<br>uration Visible<br>inted or Stress   | d.  is (minimum of two cks (B6) is (B10) er Table (C2) is (C8) e on Aerial Image sed Plants (D1)                  | o requi |
| Depth (i Remarks: Hydric soils  HYDROLC  Wetland Hy Primary Indi Surface High W. Saturati Water M. Sedime Drift De Algal M.   | are present. Hydric s  OGY  Indicators: cators (minimum of   |  | ired: check all that  Water-Sta  Aquatic F:  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iro  | apply) ained Lea auna (B1 atic Plan Sulfide Rhizosph of Redu on Redu   | aves (B9)<br>3)<br>ts (B14)<br>Odor (C1<br>neres on loced Iron of the control of the cont | )<br>Living R<br>(C4)               | Second   X Sur   Dra   Dra   Cra   Sat   Stu   Is (C6)   X Ged   | ary Indicators face Soil Crac inage Pattern Season Wat yfish Burrows uration Visible inted or Stress pmorphic Pos  | d.  s (minimum of two cks (B6) is (B10) er Table (C2) s (C8) e on Aerial Image sed Plants (D1) ition (D2)         | o requi |
| Depth (i Remarks: Hydric soils  HYDROLC  Wetland Hy Primary Inde Surface High W. Saturati Water N Sedime Drift De Algal M   | are present. Hydric s  OGY  Indrology Indicators: cators (minimum of of of the content of the co | one is requ  | ired: check all that  Water-Sta  Aquatic F:  True Aqua  Hydrogen  Oxidized I  Presence  Recent Ird  | apply) ained Lea auna (B1 atic Plant Sulfide Rhizosph of Redu on Redu c Surface                              | aves (B9) 3) ts (B14) Odor (C1 neres on lead from the control of t         | )<br>Living R<br>(C4)               | Second   X Sur   Dra   Dra   Cra   Sat   Stu   Is (C6)   X Ged   | ary Indicators<br>face Soil Crac<br>inage Pattern<br>Season Wate<br>offish Burrows<br>uration Visible<br>inted or Stress   | d.  s (minimum of two cks (B6) is (B10) er Table (C2) s (C8) e on Aerial Image sed Plants (D1) ition (D2)         | o requi |
| Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Indi Surface High W. Saturati Water M. Sedime Drift De Algal M. Iron Dej Inundati  | are present. Hydric s  OGY  Indrology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) flarks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial III   | one is requ  | ired; check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iro  Thin Muck  7)  Gauge or                 | apply) ained Lea auna (B1 atic Plant Sulfide Rhizosph of Redu on Redu c Surface Well Da                      | aves (B9) 13) ts (B14) Odor (C1 teres on led from the control of t         | )<br>Living R<br>(C4)               | Second   X Sur   Dra   Dra   Cra   Sat   Stu   Is (C6)   X Ged   | ary Indicators face Soil Crac inage Pattern Season Wat yfish Burrows uration Visible inted or Stress pmorphic Pos  | d.  s (minimum of two cks (B6) is (B10) er Table (C2) s (C8) e on Aerial Image sed Plants (D1) ition (D2)         | o requi |
| Depth (i Remarks: Hydric soils  HYDROLC  Wetland Hy Primary Indi Surface High W. Saturati Water N Sedime Drift De Algal M Iron Dej Inundati Sparsel   | are present. Hydric s  OGY  Indrology Indicators: cators (minimum of   | one is requ  | ired; check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iro  Thin Muck  7)  Gauge or                 | apply) ained Lea auna (B1 atic Plant Sulfide Rhizosph of Redu on Redu c Surface Well Da                      | aves (B9) 13) ts (B14) Odor (C1 teres on led from the control of t         | )<br>Living R<br>(C4)               | Second   X Sur   Dra   Dra   Cra   Sat   Stu   Is (C6)   X Ged   | ary Indicators face Soil Crac inage Pattern Season Wat yfish Burrows uration Visible inted or Stress pmorphic Pos  | d.  s (minimum of two cks (B6) is (B10) er Table (C2) s (C8) e on Aerial Image sed Plants (D1) ition (D2)         | o requi |
| Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Indi Surface High W. Saturati Water N Sedime Drift De Algal M Iron Dej Inundati Sparsel  | are present. Hydric s  OGY  Indrology Indicators: cators (minimum of   | one is requ<br>magery (B<br>Surface (  | ired: check all that  Water-Sta  Aquatic F:  True Aqua  Hydrogen  Oxidized I  Presence  Recent Ird  Thin Muck  7)  Gauge or  B8)  Other (Ex | apply) ained Lea auna (B' atic Plani Sulfide Rhizosph of Redu on Redu c Surface Well Da plain in f           | aves (B9) 13) ts (B14) Odor (C1 neres on led from (ction in Tiel (C7) ta (D9) Remarks)   | )<br>Living R<br>(C4)               | Second   X Sur   Dra   Dra   Cra   Sat   Stu   Is (C6)   X Ged   | ary Indicators face Soil Crac inage Pattern Season Wat yfish Burrows uration Visible inted or Stress pmorphic Pos  | d.  s (minimum of two cks (B6) is (B10) er Table (C2) s (C8) e on Aerial Image sed Plants (D1) ition (D2)         | o requi |
| Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Indi Surface High W. Saturati Water M Sedime Orift De Algal M Iron Dei Inundati Sparsel Field Obses  | are present. Hydric s  pogy  rdrology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) flarks (B1) int Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial II y Vegetated Concave rvations: ter Present? Ye   | magery (B<br>Surface (   | ired: check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Ird  Thin Much  7)  Gauge or  B8)  Other (Ex | apply) ained Lea auna (B1 atic Plani Sulfide Rhizosph of Redu c Surface Well Da plain in F                   | aves (B9) 13) ts (B14) Odor (C1 teres on lection in Tiele (C7) ta (D9) Remarks)  | )<br>Living R<br>(C4)               | Second   X Sur   Dra   Dra   Cra   Sat   Stu   Is (C6)   X Ged   | ary Indicators face Soil Crac inage Pattern Season Wat yfish Burrows uration Visible inted or Stress pmorphic Pos  | d.  s (minimum of two cks (B6) is (B10) er Table (C2) s (C8) e on Aerial Image sed Plants (D1) ition (D2)         | o requi |
| Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Indi Surface High Wei Saturati Water M Sedime Drift De Inundati Sparsel Field Obse Surface Wa Water Table  | are present. Hydric solutions: cators (minimum of of of other (A1) ater Table (A2) on (A3) darks (B1) nt Deposits (B3) at or Crust (B4) posits (B5) on Visible on Aerial In y Vegetated Concave rvations: ter Present? Ye  | magery (Besumagery (Besumagery (Besumagery (Besumagery (Besumagery (Besumagery (Besumager) | ired: check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Ird  Thin Muck  7) Gauge or  Other (Ex       | apply) ained Lea auna (B1 atic Plant Sulfide Rhizosph of Redu or Surface Well Da plain in f                  | aves (B9) 13) ts (B14) Odor (C1 teres on leading in Title (C7) ta (D9) Remarks) inches):   | )<br>Living R<br>(C4)<br>Illed Soil | Second  X Sur Dra Dry Cra Soots (C3) Stu Is (C6) X FAC   | ary Indicators face Soil Crace face Soil Crace face Soil Crace face Soil Crace from Season Wate from Suration Visible from Stress from Str | d.  c(minimum of two cks (B6) is (B10) er Table (C2) c (C8) e on Aerial Image sed Plants (D1) ition (D2) it (D5)  | o requi |
| Depth (i Remarks: Hydric soils  HYDROLC  Wetland Hy Primary Ind Surface High Water M Sedime Drift De Inundati Sparsel  Field Obse Surface Wa Water Table Saturation F   | are present. Hydric solutions: cators (minimum of  | magery (B<br>Surface (   | ired: check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Ird  Thin Much  7)  Gauge or  B8)  Other (Ex | apply) ained Lea auna (B1 atic Plant Sulfide Rhizosph of Redu or Surface Well Da plain in f                  | aves (B9) 13) ts (B14) Odor (C1 teres on lection in Tiele (C7) ta (D9) Remarks)  | )<br>Living R<br>(C4)<br>Illed Soil | Second   X Sur   Dra   Dra   Cra   Sat   Stu   Is (C6)   X Ged   | ary Indicators face Soil Crace face Soil Crace face Soil Crace face Soil Crace from Season Wate from Suration Visible from Stress from Str | d.  c (minimum of two cks (B6) is (B10) er Table (C2) c (C8) e on Aerial Image sed Plants (D1) ition (D2) it (D5) | o requi |
| Depth (i Remarks: Hydric soils  HYDROLC  Wetland Hy Primary Ind Surface High Wi Saturati Water N Sedime Drift De Algal M Iron Dep Inundati Sparsel Field Obses Surface Wa Water Table Saturation F (includes ca | are present. Hydric solutions: cators (minimum of of of other (A1) ater Table (A2) on (A3) darks (B1) nt Deposits (B3) at or Crust (B4) posits (B5) on Visible on Aerial In y Vegetated Concave rvations: ter Present? Ye  | magery (B<br>Surface (   | ired: check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Irc  Thin Muck  7) Gauge or  B8) Other (Ex   | apply) ained Lea auna (B1 atic Plant Sulfide Rhizosph of Redu or Surface Surface Surface Use Depth ( Depth ( | aves (B9) 13) ts (B14) Odor (C1 teres on l ced Iron (c tion in Ti e (C7) ta (D9) Remarks) inches): inches):  | )<br>Living R<br>(C4)<br>Illed Soi  | Second  X Sur Dra Dry Cra coots (C3) Sat Stu Is (C6) X Gee X FAC   | ary Indicators face Soil Crace face Soil Crace face Soil Crace face Soil Crace from Season Wate from Suration Visible from Stress from Str | d.  c (minimum of two cks (B6) is (B10) er Table (C2) c (C8) e on Aerial Image sed Plants (D1) ition (D2) it (D5) | ə requi |
| Depth (i Remarks: Hydric soils  HYDROLC  Wetland Hy Primary Ind Surface High Wi Saturati Water N Sedime Drift De Algal M Iron Dep Inundati Sparsel Field Obses Surface Wa Water Table Saturation F (includes ca | are present. Hydric solutions: cators (minimum of complete (A1) ater Table (A2) on (A3) ater Table (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial In y Vegetated Concave (rvations: ter Present? Yes Present? Yes Present? Yes pillary fringe)   | magery (B<br>Surface (   | ired: check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Irc  Thin Muck  7) Gauge or  B8) Other (Ex   | apply) ained Lea auna (B1 atic Plant Sulfide Rhizosph of Redu or Surface Surface Surface Use Depth ( Depth ( | aves (B9) 13) ts (B14) Odor (C1 teres on l ced Iron (c tion in Ti e (C7) ta (D9) Remarks) inches): inches):  | )<br>Living R<br>(C4)<br>Illed Soi  | Second  X Sur Dra Dry Cra coots (C3) Sat Stu Is (C6) X Gee X FAC   | ary Indicators face Soil Crace face Soil Crace face Soil Crace face Soil Crace from Season Wate from Suration Visible from Stress from Str | d.  c (minimum of two cks (B6) is (B10) er Table (C2) c (C8) e on Aerial Image sed Plants (D1) ition (D2) it (D5) | ery (CS |

Midwest - Version 2.0

APPENDIX L L-214 NOVEMBER 2022

| WETLAND DETERMINATION DAT  |                      | Midwest R        | 17.5             |  | ent Control Sy<br>EXEMPT  |   |
|--|----------------------|------------------|------------------|--|---|---|
| See ERDC/EL TR-07-24; the propo  | nent agency          | is CECW-0        | CO-R             | (Authority: AR   | 335-15, parag   | raph 5-2a)  |
| Project/Site: Chicago O'Hare International Airport (   | ORD)                 | City/Cour        | nty: Chicago     | o/Cook   | Sampling Date:  | 9/9/2019  |
| Applicant/Owner: City of Chicago   |                      |                  |                  | State: IL  |   | NW19-96 UF  |
| Investigator(s): Brauna Hartzell, Conor Makepeace, Kim Shanr   | non, Mead & Hunt, In | c. Section, T    | ownship, Ra      | inge: Section 30, T41N   | , R12E  | 1   |
|  |                      |                  |                  | concave, convex, none):  |   |   |
|  |                      |                  |                  |  |   |   |
| Soil Map Unit Name: 805A - Orthents, clayey, nearl   |                      |                  |                  |  |   |   |
| Are climatic / hydrologic conditions on the site typic   |                      |                  |                  | No X (If no, exp   |   |   |
| 1 00 Million Control (Control Mandalla Control April 1900 Million Control (April 1900 Million Control (Control Control (Control Control (Control (Control Control (Control (Co |                      |                  |                  |  |   |   |
| Are Vegetation, SoilX_, or Hydrology   |                      |                  |                  |  |   | —   |
| Are Vegetation, Soil, or Hydrology   |                      |                  |                  |  |   |   |
| SUMMARY OF FINDINGS – Attach site  | map showin           | ıg samplin       | g point lo       | cations, transects   | , important fe  | atures, etc   |
| Hydrophytic Vegetation Present? Yes  | No_X                 |                  | Sampled Ar       |  |   |   |
| Hydric Soil Present? Yes   | No X                 | within           | n a Wetland?     | ? Yes  | No X  |   |
| Wetland Hydrology Present? Yes   | No_X_                |                  |                  |  |   |   |
| Remarks:<br>Climatic/hydrologic conditions are not typical due t<br>Soils mixed and very gravelly.   | o an above aver      | age amount o     | of rainfall duri | ing September 2019. Hill   | I slope for dike cor  | nstruction.   |
| VEGETATION – Use scientific names of   | plants.              |                  |                  |  |   |   |
|  | Absolute             | Dominant         | Indicator        |  |   |   |
| Tree Stratum (Plot size:)  | % Cover              | Species?         | Status           | Dominance Test wor   | ksheet:   |   |
| 1.   |                      |                  |                  | Number of Dominant   |   | 20 200  |
| 2<br>3.  |                      |                  |                  | Are OBL, FACW, or F  |   | 0 (A)   |
| 4.   | <del>-</del>         |                  |                  | Total Number of Dom<br>Across All Strata:  | inant Species   | 2 (B)   |
| 5.   |                      |                  |                  | Percent of Dominant  | ——<br>Species That  | (D)   |
| <del>-</del>   |                      | =Total Cover     |                  | Are OBL, FACW, or F  |   | 0.0% (A/B)  |
| Sapling/Shrub Stratum (Plot size:  | )                    |                  |                  |  |   |   |
| 1  |                      |                  |                  | Prevalence Index wo  |   |   |
| 2.   |                      |                  |                  | Total % Cover of   |   |   |
| 3.   | -0 :                 |                  |                  | OBL species 2  |   | 2   |
| 4  |                      |                  |                  |  |   | 0   |
| 5  |                      |                  |                  | FACW species 0   | 9800000   | 0   |
| 5.   |                      | =Total Cover     |                  | FAC species 0  | ) x 3 =   | 0   |
|  |                      | =Total Cover     |                  | Prof. 363  | ) x3=<br>5 x4=  | 10.0  |
| *  | 53                   | =Total Cover     | UPL              | FAC species 0  | x 3 = 5 x 4 = 8 x 5 =   | 0<br>60   |
| Herb Stratum (Plot size: 5ft )   |                      |                  | UPL<br>UPL       | FAC species         0           FACU species         1:           UPL species         7:   | x 3 =<br>5 x 4 =<br>8 x 5 =<br>5 (A)  | 0<br>60<br>390<br>452 (B)   |
| Herb Stratum (Plot size: 5ft )  1. Dipsacus laciniatus  2. Sisymbrium officinale  3. Cirsium arvense   | 53<br>25<br>15       | Yes<br>Yes<br>No | UPL<br>FACU      | FAC species         C           FACU species         1:           UPL species         7:           Column Totals:         9:   | x 3 =<br>5 x 4 =<br>8 x 5 =<br>5 (A)  | 0<br>60<br>390<br>452 (B)   |
| Herb Stratum (Plot size: 5ft )  1. Dipsacus laciniatus  2. Sisymbrium officinale  3. Cirsium arvense  4. Typha angustifolia  | 53<br>25             | Yes<br>Yes       | UPL              | FAC species 0 FACU species 1: UPL species 7: Column Totals: 9: Prevalence Index:   | 0 x 3 =<br>5 x 4 =<br>8 x 5 =<br>5 (A) = B/A = 4.7  | 0<br>60<br>390<br>452 (B)   |
| Herb Stratum (Plot size: 5ft )  1. Dipsacus laciniatus  2. Sisymbrium officinale  3. Cirsium arvense  4. Typha angustifolia  5.  | 53<br>25<br>15       | Yes<br>Yes<br>No | UPL<br>FACU      | FAC species C FACU species 1: UPL species 7: Column Totals: 9: Prevalence Index:  Hydrophytic Vegetat 1 - Rapid Test for   | x 3 =<br>x 4 =<br>x 5 =<br>(A)<br>= B/A =<br>4.7<br>Ion Indicators:   | 0<br>60<br>390<br>452 (B)   |
| Herb Stratum (Plot size: 5ft )  1. Dipsacus laciniatus  2. Sisymbrium officinale  3. Cirsium arvense  4. Typha angustifolia  | 53<br>25<br>15       | Yes<br>Yes<br>No | UPL<br>FACU      | FAC species 0 FACU species 1: UPL species 7: Column Totals: 9: Prevalence Index:  Hydrophytic Vegetat 1 - Rapid Test for 2 - Dominance Te  | x 3 =<br>x 4 =<br>x 5 =<br>(A)<br>= B/A =<br>4.7<br>ion Indicators:<br>Hydrophytic Vege<br>est is >50%  | 0<br>60<br>390<br>452 (B)   |
| Herb Stratum (Plot size: 5ft )  1. Dipsacus laciniatus 2. Sisymbrium officinale 3. Cirsium arvense 4. Typha angustifolia 5. 6. 7.  | 53<br>25<br>15       | Yes<br>Yes<br>No | UPL<br>FACU      | FAC species C FACU species 1: UPL species 7: Column Totals: 9: Prevalence Index:  Hydrophytic Vegetat  | x 3 =<br>x 4 =<br>x 5 =<br>(A) = B/A = 4.7  ion Indicators: Hydrophytic Vege est is >50% dex is ≤3.0¹   | 0<br>60<br>390<br>452<br>(B)<br>76  |
| Herb Stratum (Plot size: 5ft )  1. Dipsacus laciniatus  2. Sisymbrium officinale  3. Cirsium arvense  4. Typha angustifolia  5.  | 53<br>25<br>15       | Yes<br>Yes<br>No | UPL<br>FACU      | FAC species C FACU species 1: UPL species 7: Column Totals: 9: Prevalence Index:  Hydrophytic Vegetat  | x 3 =<br>x 4 =<br>x 5 =<br>(A)<br>= B/A =<br>4.7<br>ion Indicators:<br>Hydrophytic Vege<br>est is >50%  | 0<br>60<br>390<br>452 (B)<br>76   |
| Herb Stratum (Plot size: 5ft )  1. Dipsacus laciniatus  2. Sisymbrium officinale  3. Cirsium arvense  4. Typha angustifolia  5. 6. 7. 8.   | 53<br>25<br>15       | Yes<br>Yes<br>No | UPL<br>FACU      | FAC species C FACU species 1: UPL species 7: Column Totals: 9: Prevalence Index:  Hydrophytic Vegetat  | 0 x 3 =<br>5 x 4 =<br>8 x 5 =<br>5 (A) = B/A = 4.7<br>ion Indicators:<br>Hydrophytic Vege<br>est is >50%<br>dex is ≤3.0¹<br>Adaptations¹ (Pro   | 0<br>60<br>390<br>452<br>(B)<br>76<br>etation                                   |
| Herb Stratum (Plot size: 5ft )  1. Dipsacus laciniatus  2. Sisymbrium officinale  3. Cirsium arvense  4. Typha angustifolia  5. 6. 7. 8. 9.  | 53<br>25<br>15<br>2  | Yes<br>Yes<br>No | UPL<br>FACU      | FAC species C FACU species 1: UPL species 7: Column Totals: 9: Prevalence Index:  Hydrophytic Vegetat  | x 3 =<br>x 4 =<br>x 5 =<br>(A)<br>= B/A =<br>4.7<br>ion Indicators:<br>Hydrophytic Veges<br>est is >50%<br>dex is ≤3.0<br>Adaptations (Pro<br>cs or on a separate<br>ophytic Vegetatior           | 0<br>60<br>390<br>452 (B)<br>76<br>etation                                      |
| Herb Stratum (Plot size: 5ft )  1. Dipsacus laciniatus  2. Sisymbrium officinale  3. Cirsium arvense  4. Typha angustifolia  5. 6. 7. 8. 9.  | 53<br>25<br>15<br>2  | Yes Yes No No    | UPL<br>FACU      | FAC species C FACU species 1: UPL species 7: Column Totals: 9: Prevalence Index:  Hydrophytic Vegetat  | x 3 =<br>x 4 =<br>x 5 =<br>(A) = B/A = 4.7  Ion Indicators: Hydrophytic Veges is >50% dex is ≤3.0¹  Adaptations¹ (Pross or on a separate ophytic Vegetatior oil and wetland hy                    | 0 60 390 452 (B) 76 etation  wide supportine e sheet) 1 (Explain) rdrology must |
| Herb Stratum (Plot size:   | 53<br>25<br>15<br>2  | Yes Yes No No    | UPL<br>FACU      | FAC species C FACU species 1: UPL species 7: Column Totals: 9: Prevalence Index:  Hydrophytic Vegetat  | x 3 =<br>x 4 =<br>x 5 =<br>(A) = B/A = 4.7  Ion Indicators: Hydrophytic Veges is >50% dex is ≤3.0¹  Adaptations¹ (Pross or on a separate ophytic Vegetatior oil and wetland hy                    | 0 60 390 452 (B) 76 etation  wide supportine e sheet) 1 (Explain) rdrology must |
| Herb Stratum (Plot size: 5ft )  1. Dipsacus laciniatus  2. Sisymbrium officinale  3. Cirsium arvense  4. Typha angustifolia  5. 6. 7. 8. 9. 10. Woody Vine Stratum (Plot size:   | 53<br>25<br>15<br>2  | Yes Yes No No    | UPL<br>FACU      | FAC species 0 FACU species 1: UPL species 7: Column Totals: 9: Prevalence Index:  Hydrophytic Vegetat 1 - Rapid Test for 2 - Dominance Te 3 - Prevalence In data in Remark Problematic Hydr  Indicators of hydric s be present, unless dis | x 3 =<br>x 4 =<br>x 5 =<br>(A) = B/A = 4.7  ion Indicators: Hydrophytic Veges is >50% dex is ≤3.0¹  Adaptations¹ (Pro so or on a separate ophytic Vegetatior oil and wetland hysturbed or problem | etation  ovide supportine e sheet)  of (Explain)  ordrology must reatic.        |

| SOIL                    |  |               |                    |                         |  |                  |                |  | Sa                          | ampling Point: _t | NW19-96 UPL  |
|-------------------------|--|---------------|--------------------|-------------------------|--|------------------|----------------|--|-----------------------------|-------------------|--------------|
|                         | cription: (Describe                      | to the dept   |                    |                         |  | ator or o        | confirm the    | absence o  | findicators                 | s.)               |              |
| Depth                   | Matrix                                   |               |                    | dox Featu               |  |                  |                |  |                             |                   |              |
| (inches)                | Color (moist)                            | %             | Color (moist)      | %                       | Type   | Loc <sup>2</sup> | Tex            | ture   |                             | Remarks           |              |
| 0-3                     | 10YR 3/2                                 | 100           |                    |                         |  |                  | Loamy          | /Clayey  |                             | silt loam         |              |
| 3-16                    | 10YR 3/2                                 | 100           |                    |                         |  | _                | Loamy          | /Clayey  | sil                         | It loam with gra  | vel          |
|                         |  |               |                    |                         |  |                  |                |  |                             |                   |              |
| 7                       |  |               |                    |                         |  |                  | 6:             |  |                             |                   |              |
|                         |  |               |                    | -                       | •  |                  |                |  | ē.                          |                   |              |
|                         | -  |               |                    | -                       | •  |                  |                |  |                             |                   |              |
|                         | <del>)</del>                             |               | -                  |                         | . —  |                  |                |  |                             |                   |              |
| <sup>1</sup> Type: C=Ci | oncentration, D=Dep                      | letion RM=    | Reduced Matrix     | MS=Ma                   | sked San   | d Grains         |                | 2l ocation:  | PI =Pore I                  | ining, M=Matrix   | ν.           |
| Hydric Soil             |  | iotion, reivi | reduced Matrix,    | , 1410-14103            | med cane   | u Olumb          |                |  |                             | ematic Hydric     |              |
| Histosol                |  |               | Sandy G            | Sleyed Ma               | trix (S4)  |                  |                |  | Prairie Red                 |                   |              |
|                         | pipedon (A2)                             |               |                    | edox (S5)               |  |                  |                | The same   |                             | Masses (F12)      |              |
| Black Hi                | 12 12 12 12 12 12 12 12 12 12 12 12 12 1 |               |                    | Matrix (S               |  |                  |                |  | arent Mater                 |                   |              |
| —<br>Hydroge            | n Sulfide (A4)                           |               | Dark Sur           | rface (S7)              | )  |                  |                | Very S   | Shallow Dar                 | k Surface (F22)   | )            |
| Stratified              | d Layers (A5)                            |               | Loamy N            | lucky Min               | ieral (F1)   |                  |                | Other  | (Explain in                 | Remarks)          |              |
| 2 cm Mu                 | ck (A10)                                 |               | Loamy C            | Gleyed Ma               | atrix (F2)   |                  |                | _  |                             |                   |              |
| Depleted                | d Below Dark Surface                     | e (A11)       | Depleted           | d Matrix (F             | -3)  |                  |                |  |                             |                   |              |
| Thick Da                | ark Surface (A12)                        |               | Redox D            | ark Surfa               | .ce (F6)   |                  |                | 3Indicators  | of hydroph                  | ytic vegetation   | and          |
| Sandy M                 | lucky Mineral (S1)                       |               | Depleted           | d Dark Su               | ırface (F7)  | )                |                | wetlan   | id hydrology                | y must be prese   | ant,         |
| 5 cm Mu                 | icky Peat or Peat (S3                    | 3)            | Redox D            | epression               | ıs (F8)  |                  |                | unless   | disturbed                   | or problematic.   | b            |
| Restrictive I           | Layer (if observed):                     | (             |                    |                         |  |                  |                |  |                             |                   |              |
| Type:                   | _  |               | _                  |                         |  |                  |                |  |                             |                   |              |
| Depth (in               | nches):                                  |               | _                  |                         |  |                  | Hydric Sc      | oil Present?   | 1                           | Yes               | No X         |
|                         |  |               |                    |                         |  |                  |                |  |                             |                   |              |
| HYDROLO                 | 3 500653                                 |               |                    |                         |  |                  |                |  |                             |                   |              |
| NO. 10 10 70            | drology Indicators:                      |               |                    |                         |  |                  |                |  |                             | 2.11 99           |              |
| 2007 0907 6             | cators (minimum of c                     | ne is requir  | PRIOR M. Mark      | K 69 99 69              | (DO)   |                  |                |  | Valle on the second         | (minimum of tw    | vo required) |
| _                       | Water (A1)                               |               |                    |                         | aves (B9)  |                  |                |  | e Soil Crac<br>age Patterns |                   |              |
| — Saturatio             | iter Table (A2)                          |               |                    | Fauna (B′<br>uatic Plan |  |                  |                |  |                             | er Table (C2)     |              |
|                         | larks (B1)                               |               | 41                 |                         | Odor (C1)  | )                |                |  | sh Burrows                  |                   |              |
| _                       | nt Deposits (B2)                         |               | 70.00              |                         |  |                  | Roots (C3)     | A Comment of the Comm |                             | on Aerial Imag    | nery (C9)    |
|                         | posits (B3)                              |               | 2000               | and the second          | iced Iron (  | 2015 1000 TO     | 00.0 (00)      | 100000000000000000000000000000000000000  |                             | ed Plants (D1)    | 3 3 3        |
|                         | at or Crust (B4)                         |               |                    |                         | ction in Ti  | 1901 95          | ls (C6)        |  | orphic Posit                | 0 0               |              |
|                         | osits (B5)                               |               |                    | ck Surface              |  |                  |                |  | veutral Test                | AL 67             |              |
|                         | on Visible on Aerial II                  | magery (B7    |                    | r Well Da               | Discontinuos de la constanta d |                  |                |  |                             |                   |              |
| ——<br>Sparsely          | Vegetated Concave                        | Surface (B    | .8) Other (E       | xplain in f             | Remarks)   | i                |                |  |                             |                   |              |
| Field Obser             | vations:                                 |               |                    | 10                      |  |                  | T              |  |                             |                   |              |
| Surface Wat             | er Present? Ye                           | s             | No X               | Depth (                 | (inches):  |                  |                |  |                             |                   |              |
| Water Table             | Present? Ye                              | s             | No X               |                         | (inches):  |                  |                |  |                             |                   |              |
| Saturation P            |  | s             | No X               | Depth (                 | (inches):  |                  | Wetlan         | d Hydrolog   | y Present?                  | Yes               | No X         |
| (includes cap           | pillary fringe)                          |               |                    |                         |  |                  |                |  |                             |                   |              |
| Describe Re             | corded Data (stream                      | gauge, mo     | nitoring well, aer | rial photos             | s, previou   | s inspec         | ctions), if av | ailable:   |                             |                   |              |
| and the second          |  |               |                    |                         |  |                  |                |  |                             |                   |              |
| Remarks:                | Irology is neither pres                  | ant nor ind   | isstad About E (   | faat aana.              | rataa 7 da   | to point         | o with about   | t Off in along   | tion obongs                 |                   |              |
| vvetianu nyu            | rology is fieldler pres                  | sent nor mu   | cated. About 3 i   | eet sepai               | ales 2 ua  | ita point        | 5 WILLI ADOUL  | t zit iii eleva  | tion change                 |                   |              |
|                         |  |               |                    |                         |  |                  |                |  |                             |                   |              |

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APPENDIX L L-216 NOVEMBER 2022

| U.S. Army Corps of Engineers   |  | Requirement Control Symbol   |
|--|--|--|
| WETLAND DETERMINATION DATA SHEET – N<br>See ERDC/EL TR-07-24; the proponent agency i   |  | EXEMPT (Authority: AR 335-15, paragraph 5-2a)                          |
|  |  |  |
| Project/Site: Chicago O'Hare International Airport (ORD)   | City/County: Chicago/0   |  |
| Applicant/Owner: City of Chicago   | 5 7 T 10 5   | State: IL Sampling Point: NW19-96 WET                                  |
| Investigator(s): Brauna Hartzell, Conor Makepeace, Kim Shannon, Mead & Hunt, Inc   |  |  |
| Landform (hillside, terrace, etc.): swale/basin  |  |  |
| Slope (%): <1% Lat: 42.00891184  |  |  |
| Soil Map Unit Name: 805A - Orthents, clayey, nearly level (Predomin  |  |  |
| Are climatic / hydrologic conditions on the site typical for this time of  |  | No X (If no, explain in Remarks.)                                      |
| Are Vegetation, Soil, or Hydrology significantly di  |  |  |
| Are Vegetation, Soil, or Hydrology naturally probl   | ematic? (If needed, expl   | ain any answers in Remarks.)   |
| SUMMARY OF FINDINGS – Attach site map showing  | g sampling point loc   | ations, transects, important features, etc.                            |
| Hydrophytic Vegetation Present? Yes X No   | Is the Sampled Are   | a  |
| Hydric Soil Present? Yes X No  | within a Wetland?  | Yes X No   |
| Wetland Hydrology Present? Yes X No  | Harmonia salah |  |
| Remarks:   | •  |  |
| Climatic/hydrologic conditions are not typical due to an above avera   | age amount of rainfall during  | g September 2019. Flowing water at north end.                          |
| VEGETATION - Library in Visit - managed for lands  |  |  |
| VEGETATION – Use scientific names of plants.  Absolute   | Dominant Indicator   |  |
| Tree Stratum         (Plot size:)         % Cover  | Dominant Indicator<br>Species? Status  | Dominance Test worksheet:  |
| 1  |  | Number of Dominant Species That  |
| 2  |  | Are OBL, FACW, or FAC:1 (A)  |
| 3  |  | Total Number of Dominant Species                                       |
| 4  |  | Across All Strata: 1 (B)   |
| 5  | Total Cover  | Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)   |
| Sapling/Shrub Stratum (Plot size:)   |  | (13)   |
| 1  |  | Prevalence Index worksheet:  |
| 2  |  | Total % Cover of: Multiply by:   |
| 3.   |  | OBL species100 x 1 =100  |
| 4  |  | FACW species 0 x 2 = 0   |
| 5  | Total Cover  | FAC species 0 x 3 = 0  FACU species 0 x 4 = 0                          |
| Herb Stratum (Plot size: 5ft )   | Total Gover  | UPL species 0 x 5 = 0  |
| 1. Typha angustifolia 100  | Yes OBL  | Column Totals: 100 (A) 100 (B)   |
| 2.   |  | Prevalence Index = B/A = 1.00  |
| 3  |  |  |
| 4  |  | Hydrophytic Vegetation Indicators:                                     |
| 5  |  | 1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50% |
| 6  |  | X 3 - Prevalence Index is ≤3.0 <sup>1</sup>                            |
| 8.   |  | 4 - Morphological Adaptations <sup>1</sup> (Provide supporting         |
| 9.   |  | data in Remarks or on a separate sheet)                                |
| 10   |  | Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)              |
| The state of the s | Total Cover  | <sup>1</sup> Indicators of hydric soil and wetland hydrology must      |
| Woody Vine Stratum (Plot size:)  | -  | be present, unless disturbed or problematic.                           |
| 1  |  | Hydrophytic  |
|  | Total Cover  | Vegetation Present? Yes X No   |
| Remarks: (Include photo numbers here or on a separate sheet.)  |  |  |
| Community Type: wet meadow HGM Type: depressional Hydrophtytic vegetation is presen  | t. Also present nearby: Vitis riparia, L   | ythrum salicaria, Acer negundo, Sambucus sp., Solidago sempervirens    |

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| Profile Des   | cription: (Describe  | to the der  | oth needed to doc   | ument t  | ne indica  | ator or c  | onfirm the absence  | of indicators.)   |
|---|--|---|---|--|--|--|---|---|
| Depth   | Matrix   |   |   | x Featur   |  |  |   |   |
| (inches)  | Color (moist)  | %   | Color (moist)   | %  | Type <sup>1</sup>  | Loc <sup>2</sup>                                     | Texture   | Remarks   |
| 0-4   | 10YR 3/1   | 100   | 1   |  |  |  | Muck  |   |
| 4-8   | 10YR 4/1   | 98  | 5YR 4/4   | 2  |  | М  | Loamy/Clayey  | Prominent redox concentration   |
| 40 G S  | 64/97/02/04/04 03/4/04   | 450700  | PERSON DIRECTOR   | 2  |  | 20000 00000  | 10 100000   | W 200 14 15 14 15 15 15 15 15 15 15 15 15 15 15 15 15   |
| 8-16  | 10YR 4/1   | 98  | 5YR 4/4   |  | <u> </u>   | PL/M   | Loamy/Clayey  | bottom 2 layers clay loam with gr   |
|   | Concentration, D=Dep   | letion, RM  | =Reduced Matrix,  | 00000an 10   |  | d Grains.  | Indicato  | : PL=Pore Lining, M=Matrix. rs for Problematic Hydric Soils <sup>3</sup> : st Prairie Redox (A16)   |
| 10000 NO  | pipedon (A2)   |   | Sandy Re  | S manage   |  |  | <del></del> -   | Manganese Masses (F12)  |
| Black H   | istic (A3)   |   | Stripped M  | Matrix (S  | 6)   |  | Red   | Parent Material (F21)   |
| X Hydroge   | en Sulfide (A4)  |   | Dark Surfa  | ace (S7)   |  |  | Very  | Shallow Dark Surface (F22)  |
| Stratifie   | d Layers (A5)  |   | Loamy Mu  | icky Min   | eral (F1)  |  | Othe  | r (Explain in Remarks)  |
| X 2 cm Mu   | uck (A10)  |   | Loamy Gl  | eyed Ma  | trix (F2)  |  |   |   |
| X Deplete   | d Below Dark Surface   | e (A11)   | X Depleted  | Matrix (F  | 3)   |  |   |   |
| Thick D   | ark Surface (A12)  |   | Redox Da  | rk Surfac  | ce (F6)  |  | <sup>3</sup> Indicator  | rs of hydrophytic vegetation and  |
|   | Mucky Mineral (S1)   |   | Depleted  |  | 12 12  | )  |   | and hydrology must be present,  |
| 5 cm Mu   | ucky Peat or Peat (S3  | 3)  | Redox De  | pression   | s (F8)   |  | unles   | ss disturbed or problematic.  |
| Restrictive   | Layer (if observed):   |   |   |  |  |  |   |   |
|   | Edyci (ii obscived).   |   |   |  |  |  |   |   |
| Type:   | Euyer (II observed).   |   |   |  |  |  |   |   |
| Depth (i<br>Remarks:<br>Hydric soils  | nches): are present. Hydric  | soils indica  | ators Hydrogm Sulf  | fide (A4)  | , 2cm Mu   | ick (A10)  | Hydric Soil Present   | 2700 2700/27  |
| Depth (i<br>Remarks:<br>Hydric soils  | nches):  | soils indica  | ators Hydrogrn Sult   | fide (A4)  | , 2cm Mu   | ock (A10)  | and according to the control of the provinces                         | 2700 2700/27  |
| Depth (i<br>Remarks:<br>Hydric soils  | nches): are present. Hydric atrix (F3) are satisfied   | soils indica  | ators Hydrogrn Sulf   | fide (A4)  | , 2cm Mu   | ick (A10)  | and according to the control of the provinces                         | 2700 2700/27  |
| Depth (i<br>Remarks:<br>Hydric soils<br>Depleted Mi   | nches): are present. Hydric atrix (F3) are satisfied   | soils indica  | ators Hydrogrn Sulf   | fide (A4)  | , 2cm Mu   | lck (A10)  | and according to the control of the provinces                         | 2700 2700/27  |
| Depth (i<br>Remarks:<br>Hydric soils<br>Depleted Mi   | are present. Hydric atrix (F3) are satisfied   | soils indica  |   |  | , 2cm Mu   | lick (A10)   | , Depleted Below Dar  | 2700 2700/27  |
| Depth (i Remarks: Hydric soils Depleted Mi HYDROLO Wetland Hy Primary Indi X Surface  | are present. Hydric attrix (F3) are satisfied  OGY  redrology Indicators: cators (minimum of company)  | soils indica  | ired: check all that<br>Water-Sta   | apply)<br>ained Lea  | aves (B9)  |  | , Depleted Below Dar  | k Surface (A11) and  ry Indicators (minimum of two requines Soil Cracks (B6)  |
| Depth (i Remarks: Hydric soils Depleted Mi HYDROLO Wetland Hy Primary Indi X Surface X High Wa  | are present. Hydric atrix (F3) are satisfied  OGY  rdrology Indicators: cators (minimum of c Water (A1) ater Table (A2)  | soils indica  | iired: check all that<br>Water-Sta<br>Aquatic Fi  | apply)<br>ained Lea<br>auna (B1  | aves (B9)  |  | , Depleted Below Dar  | k Surface (A11) and  ry Indicators (minimum of two requines Soil Cracks (B6) nage Patterns (B10)  |
| Depth (i Remarks: Hydric soils Depleted Ma  HYDROLO Wetland Hy Primary Indi X Surface X High Wa X Saturati  | are present. Hydric atrix (F3) are satisfied  OGY  rdrology Indicators: cators (minimum of of Water (A1) ater Table (A2) on (A3)   | soils indica  | i <u>ired: check all that</u><br>Water-Sta<br>Aquatic Fi<br>True Aqua   | apply)<br>ained Lea<br>auna (B1<br>atic Plant  | aves (B9)<br>3)<br>ss (B14)  |  | Seconda Surfa Drair Dry-3   | k Surface (A11) and  ry Indicators (minimum of two requires Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2)  |
| Depth (i Remarks: Hydric soils Depleted Ma  HYDROLO Wetland Hy Primary Indi X Surface X High Wa X Saturati Water M  | are present. Hydric atrix (F3) are satisfied  OGY  rdrology Indicators: cators (minimum of c) Water (A1) ater Table (A2) on (A3) Marks (B1)  | soils indica  | iired: check all thatWater-Sta<br>Aquatic Fi<br>True Aqua<br>X Hydrogen   | apply)<br>ained Lea<br>auna (B1<br>atic Plant<br>Sulfide (   | aves (B9)<br>3)<br>ss (B14)<br>Odor (C1  | )  | Seconda Surfa Drair Dry-S Cray  | k Surface (A11) and  ry Indicators (minimum of two requires Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8)  |
| Depth (i Remarks: Hydric soils Depleted Ma  HYDROLO Wetland Hy Primary Indi X Surface X High Wa X Saturati Water M Sedimei  | are present. Hydric atrix (F3) are satisfied atrix (F3) atrix  | soils indica  | iired; check all that  Water-Sta  Aquatic Fi  True Aqua  X Hydrogen Oxidized I  | apply)<br>ained Lea<br>auna (B1<br>atic Plant<br>Sulfide (<br>Rhizosph   | aves (B9)<br>3)<br>ss (B14)<br>Odor (C1<br>teres on l  | )<br>Living Ro                                       | Seconda Surfa Drair Dry-s Cray sots (C3) Satu                         | k Surface (A11) and  ry Indicators (minimum of two requivace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (CS  |
| Depth (i Remarks: Hydric soils Depleted Mi  HYDROLO Wetland Hy Primary Indi X Surface X High Wa X Saturati Water M Sedimei Drift De   | are present. Hydric atrix (F3) are satisfied a | soils indica  | ired: check all that  Water-Sta  Aquatic F:  True Aqua  X Hydrogen  Oxidized I  | apply)<br>ained Lea<br>auna (B1<br>atic Plant<br>Sulfide<br>Rhizosph<br>of Redu                                      | aves (B9)<br>3)<br>ss (B14)<br>Odor (C1<br>teres on loced Iron (   | )<br>Living Ro<br>(C4)                               | Seconda Surfa Drair Cray sots (C3) Satu Stun                          | k Surface (A11) and  ry Indicators (minimum of two requivace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (CS) ted or Stressed Plants (D1)   |
| Depth (i Remarks: Hydric soils Depleted Mi  HYDROLO Wetland Hy Primary Indi X Surface X High Wat X Saturati Water M Sedimel Drift Del Algal Mi  | are present. Hydric atrix (F3) are satisfied at (F3) are satisfied  | soils indica  | ired: check all that  Water-Sta  Aquatic F:  True Aqua  X Hydrogen  Oxidized I  Presence  Recent Iro  | apply)<br>ained Lea<br>auna (B1<br>atic Plant<br>Sulfide t<br>Rhizosph<br>of Reduon Reduon                           | aves (B9)<br>3)<br>is (B14)<br>Odor (C1<br>ieres on l<br>ced Iron (<br>ction in Ti   | )<br>Living Ro<br>(C4)                               | Seconda   | k Surface (A11) and  ry Indicators (minimum of two requiace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (CS) ted or Stressed Plants (D1) morphic Position (D2)                    |
| Depth (i Remarks: Hydric soils Depleted Mi  HYDROLO Wetland Hy Primary Indi X Surface X High Water M Sedimel Drift Del Algal Mi Iron Dep  | are present. Hydric atrix (F3) are satisfied a | soils indica<br>i.<br>one is requ                             | ired: check all that  Water-Sta  Aquatic F:  True Aqua  X Hydrogen  Oxidized I  Presence  Recent Iro  Thin Muck                               | apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Redu on Reduc s Surface                                   | aves (B9) 3) is (B14) Odor (C1 eres on lead from oced fr | )<br>Living Ro<br>(C4)                               | Seconda   | k Surface (A11) and  ry Indicators (minimum of two requivace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (CS) ted or Stressed Plants (D1)   |
| Depth (i Remarks: Hydric soils Depleted Ma  HYDROLO Wetland Hy Primary Indi X Surface X High Wa X Saturati Water N Sedimel Drift Dep Algal Ma Iron Dep Inundati   | are present. Hydric atrix (F3) are satisfied atrix (F3) and satisfied atrix (F3) are satisfied atrix (F3) are satisfied atrix (F3) are satisfied at a satisfied a | soils indica  | water-Sta Water-Sta Aquatic Fi True Aqua X Hydrogen Oxidized I Presence Recent Iro Thin Muck 7) Gauge or                                      | apply) ained Lea auna (B1 autic Plant Sulfide ( Rhizosph of Redu on Redu c Surface Well Dat                          | aves (B9) 3) is (B14) Odor (C1 eres on led from the control of the | )<br>Living Ro<br>(C4)<br>illed Soils                | Seconda   | k Surface (A11) and  ry Indicators (minimum of two requiace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (CS) ted or Stressed Plants (D1) morphic Position (D2)                    |
| Depth (i Remarks: Hydric soils Depleted Mi  HYDROLO Wetland Hy Primary Indi X Surface X High Water M Sedimen Drift Depleted Mi  | are present. Hydric atrix (F3) are satisfied atrix (F3) at a result (F3) are satisfied at a result ( | soils indica  | water-Sta Water-Sta Aquatic Fi True Aqua X Hydrogen Oxidized I Presence Recent Iro Thin Muck 7) Gauge or                                      | apply) ained Lea auna (B1 autic Plant Sulfide ( Rhizosph of Redu on Redu c Surface Well Dat                          | aves (B9) 3) is (B14) Odor (C1 eres on led from the control of the | )<br>Living Ro<br>(C4)<br>illed Soils                | Seconda   | k Surface (A11) and  ry Indicators (minimum of two requiace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (CS) ted or Stressed Plants (D1) morphic Position (D2)                    |
| Depth (i Remarks: Hydric soils Depleted Ma  HYDROLO Wetland Hy Primary Indi X Surface X High Wa X Saturati Water N Sedimel Drift Dep Algal Ma Iron Dep Inundati Sparsel   | are present. Hydric atrix (F3) are satisfied atrix (F3) and satisfied atrix (F3) are satisfied atrix (F3) at a control (F3) at a | soils indica<br>i.<br>one is requ<br>magery (B<br>e Surface ( | ired: check all that  Water-Sta  Aquatic F:  True Aqua  X Hydrogen  Oxidized I  Presence  Recent Iro  Thin Muck  7)  Gauge or  B8)  Other (Ex | apply) ained Lea auna (B1 atic Plant Sulfide e Rhizosph of Reduce on Reduce s Surface Well Dat plain in F            | aves (B9) 3) s (B14) Odor (C1 eres on led from (ction in Tie (C7) ta (D9) Remarks)   | )<br>Living Ro<br>(C4)<br>illed Soils                | Seconda   | k Surface (A11) and  ry Indicators (minimum of two requiace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (CS) ted or Stressed Plants (D1) morphic Position (D2)                    |
| Depth (i Remarks: Hydric soils Depleted Ma  HYDROLO Wetland Hy Primary Indi X Surface X High Wa X Saturati Water M Sedimel Drift Dep Inundati Sparsel; Field Obser  | are present. Hydric atrix (F3) are satisfied atrix (F3) and (F3) atrix (F3) at a constant (F3) are satisfied at a constant (F3) at a constant (F3) at a constant (F3) are satisfied at a constant (F3) at a constant (F3) are satisfied at a constant (F3) are satis | soils indica<br>d.<br>one is requ<br>magery (B<br>e Surface ( | ired: check all that  Water-Sta  Aquatic Fi  True Aqua  X Hydrogen  Oxidized I  Presence  Recent Ird  Thin Muck  7) Gauge or  B8) Other (Ex   | apply) ained Lea auna (B1 atic Plant Sulfide t Rhizosph of Reduc of Reduc t Surface Well Dat plain in F              | aves (B9) 3) is (B14) Odor (C1 eres on lead from the (C7) at (D9) Remarks) nches): _   | )<br>Living Ro<br>(C4)<br>Illed Soils                | Seconda   | k Surface (A11) and  ry Indicators (minimum of two requiace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (CS) ted or Stressed Plants (D1) morphic Position (D2)                    |
| Depth (i Remarks: Hydric soils Depleted Ma  HYDROLO Wetland Hy Primary Indi X Surface X High Wa X Saturati Water M Sedimel Drift Del Iron Dep Inundati Sparsel: Field Obser Surface Wa  | are present. Hydric atrix (F3) are satisfied atrix (F3) and (F3) atrix (F3) at a control (F3) at a cont | magery (Besurface (   | ired: check all that  Water-Sta  Aquatic Fi  True Aqua  X Hydrogen  Oxidized I  Presence  Recent Ird  Thin Muck  7) Gauge or  Other (Ex       | apply) ained Lea auna (B1 atic Plant Sulfide Rhizosph of Reduc c Surface Well Dai plain in F                         | aves (B9) 3) is (B14) Odor (C1 ieres on leaded from cotton in Tie (C7) ita (D9) Remarks) nches): _nches):  | )<br>Living Ro<br>(C4)<br>illed Soils<br>1<br>5      | Seconda Surfa Drair Dry-s Cray sots (C3) Satu Stun Stun G (C6) X Geor | k Surface (A11) and  ry Indicators (minimum of two requires Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C8) ted or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5) |
| Depth (i Remarks: Hydric soils Depleted Ma  HYDROLO Wetland Hy Primary Indi X Surface X High Wa X Saturati Water M Sedimel Drift Del Inundati Sparsel' Field Obsel Surface Wa Water Table Saturation F                              | are present. Hydric atrix (F3) are satisfied at (F3) are satisfied at (F3) at (F | soils indica<br>d.<br>one is requ<br>magery (B<br>e Surface ( | ired: check all that  Water-Sta  Aquatic Fi  True Aqua  X Hydrogen  Oxidized I  Presence  Recent Ird  Thin Muck  7) Gauge or  B8) Other (Ex   | apply) ained Lea auna (B1 atic Plant Sulfide Rhizosph of Reduc c Surface Well Dai plain in F                         | aves (B9) 3) is (B14) Odor (C1 eres on lead from the (C7) at (D9) Remarks) nches): _   | )<br>Living Ro<br>(C4)<br>illed Soils<br>1<br>5      | Seconda   | k Surface (A11) and  ry Indicators (minimum of two requires Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C8) ted or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5) |
| Depth (i Remarks: Hydric soils Depleted Ma  HYDROLO Wetland Hy Primary Indi X Surface X High Wa X Saturati Water M Sedimei Drift Dei Algal Ma Iron Detti Sparsel' Field Obsel Surface Wa Water Table Saturation F (includes ca      | are present. Hydric atrix (F3) are satisfied at (F3) at ( | magery (Besurface (   | ired: check all that  Water-Sta  Aquatic Fi  True Aqua  X. Hydrogen  Oxidized I  Presence  Recent India Muck  7) Gauge of  B8) Other (Ext     | apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduce ( Surface ( Surface ) Dain in F  Depth (i Depth (i | aves (B9) 3) s (B14) Odor (C1 teres on led (C7) te (C7) ta (D9) Remarks) nches): nches):   | )<br>Living Ro<br>(C4)<br>illed Soils<br>1<br>5<br>0 | Seconda Surfa Drair Dry-s Cray sots (C3) Satu Stun Stun FAC           | k Surface (A11) and  ry Indicators (minimum of two requires Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C8) ted or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5) |
| Depth (i Remarks: Hydric soils Depleted Ma  HYDROLO Wetland Hy Primary Indi X Surface High Wa X Saturati Water M Sedimei Drift Dei Algal Ma Iron Dep Inundati Sparsel' Field Obsel Surface Wa Water Table Saturation F (includes ca | are present. Hydric atrix (F3) are satisfied at (F3) are satisfied at (F3) at (F | magery (Besurface (   | ired: check all that  Water-Sta  Aquatic Fi  True Aqua  X. Hydrogen  Oxidized I  Presence  Recent India Muck  7) Gauge of  B8) Other (Ext     | apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduce ( Surface ( Surface ) Dain in F  Depth (i Depth (i | aves (B9) 3) s (B14) Odor (C1 teres on led (C7) te (C7) ta (D9) Remarks) nches): nches):   | )<br>Living Ro<br>(C4)<br>illed Soils<br>1<br>5<br>0 | Seconda Surfa Drair Dry-s Cray sots (C3) Satu Stun Stun FAC           | k Surface (A11) and  ry Indicators (minimum of two requires Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C8) ted or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5) |
| Depth (i Remarks: Hydric soils Depleted Ma  HYDROLO Wetland Hy Primary Indi X Surface High Wa X Saturati Water M Sedimei Drift Dei Algal Ma Iron Dep Inundati Sparsel' Field Obsel Surface Wa Water Table Saturation F (includes ca | are present. Hydric atrix (F3) are satisfied at  | magery (Besurface (   | ired: check all that  Water-Sta  Aquatic Fi  True Aqua  X. Hydrogen  Oxidized I  Presence  Recent India Muck  7) Gauge of  B8) Other (Ext     | apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduce ( Surface ( Surface ) Dain in F  Depth (i Depth (i | aves (B9) 3) s (B14) Odor (C1 teres on led (C7) te (C7) ta (D9) Remarks) nches): nches):   | )<br>Living Ro<br>(C4)<br>illed Soils<br>1<br>5<br>0 | Seconda Surfa Drair Dry-s Cray sots (C3) Satu Stun Stun FAC           | k Surface (A11) and  ry Indicators (minimum of two requires Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C8) ted or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5) |

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APPENDIX L L-218 NOVEMBER 2022

| U.S. Army Corps of  | ************************************** | 100 so +000-00  |  | Requirement Control Symbol  |
|---|--|-----------------|--|---|
| WETLAND DETERMINATION DATA  |  |                 | 17.5   | EXEMPT  |
| See ERDC/EL TR-07-24; the propon  | ent agency is                          | s CECW-         | CO-R   | (Authority: AR 335-15, paragraph 5-2a)  |
| Project/Site: Chicago O'Hare International Airport (Of  | RD)                                    | City/Cou        | nty: Chicago   | /Cook Sampling Date: 9/17/2019  |
| Applicant/Owner: City of Chicago  |  |                 |  | State: IL Sampling Point: NW 39 UPL 1   |
| Investigator(s): Brauna Hartzell, Conor Makepeace, M  | ead & Hunt, Inc.                       | Section,        | Γownship, Rar  | nge: Section 25, T41N, R11E   |
| Landform (hillside, terrace, etc.): midslope  |  | -               | 15 16  |   |
| Slope (%): 3 Lat: 42.01082953   |  |                 |  | Datum: WGS84  |
| Soil Map Unit Name: 805A - Orthents, clayey, nearly   |  |                 | 10.000 MARKET NAME OF THE OWNER OWNER OWNER OF THE OWNER | AND                                       |
| Are climatic / hydrologic conditions on the site typical  |  |                 | Yes  | No X (If no, explain in Remarks.)   |
| e s a quadrata e es e comunicate accomunicate decima a estebación                                     | DERN KROUNG STRONGER SERVER            |                 |  |   |
| Are Vegetation, Soil, or Hydrology  | -0                                     |                 |  |   |
| Are Vegetation, Soil, or Hydrology  | naturally proble                       | ematic? (       | If needed, exp   | olain any answers in Remarks.)  |
| SUMMARY OF FINDINGS – Attach site n   | nap showing                            | j samplir       | ig point lo  | cations, transects, important features, etc.                                  |
| Hydrophytic Vegetation Present? Yes X   | 10                                     | ls the          | Sampled Are  | ea  |
|   | 10<br>—                                |                 | n a Wetland?   |   |
|   | lo X                                   | SCHOOLS         |  |   |
| Remarks:  |  |                 |  |   |
| Climatic/hydrologic conditions are not typical due to   | an above avera                         | ge amount       | of rainfall durir  | ng September 2019.  |
|   |  |                 |  |   |
| VEGETATION – Use scientific names of pl   | ants.                                  |                 |  |   |
| Total Charles (District 20 ft   |  | Dominant        | Indicator  | Barriago - Tartanadaka da   |
| Tree Stratum (Plot size: 30 ft )  1. Salix alba   | % Cover 20                             | Species?<br>Yes | Status<br>FACW   | Dominance Test worksheet:   |
| 2.  |  | 103             | TACV   | Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)                  |
| 3.  |  |                 |  | Total Number of Dominant Species  |
| 4.  |  |                 | 3  | Across All Strata: 4 (B)  |
| 5   |  |                 |  | Percent of Dominant Species That  |
|   |  | Total Cover     | 3.   | Are OBL, FACW, or FAC: 75.0% (A/B)  |
| Sapling/Shrub Stratum (Plot size: 15ft  | _)                                     |                 | _  |   |
| 1. Rhamnus cathartica   | 30                                     | Yes             | FAC_   | Prevalence Index worksheet:   |
| 2.  |  |                 | <del></del>  | Total % Cover of: Multiply by:  OBL species 0 x 1 = 0                         |
| 3   | 0 <del></del>                          |                 |  | FACW species 20 x 2 = 40  |
| 5.  | . — — — —                              |                 |  | FAC species 65 x 3 = 195  |
| -   | 30 =                                   | Total Cover     |  | FACU species 57 x 4 = 228   |
| Herb Stratum (Plot size: 5ft )  |  |                 |  | UPL species 8 x 5 = 40  |
| Solidago canadensis   | 50                                     | Yes             | FACU   | Column Totals: 150 (A) 503 (B)  |
| 2. Rhamnus cathartica   | 20                                     | Yes             | FAC  | Prevalence Index = B/A = 3.35   |
| 3. Apocynum cannabinum  | 15                                     | No              | FAC  |   |
| 4. Symphyotrichum ericoides   | 5 5                                    | No<br>No        | FACU_<br>UPL   | Hydrophytic Vegetation Indicators:  1 - Rapid Test for Hydrophytic Vegetation |
| Pastinaca sativa     Leucanthemum vulgare   | 3                                      | No              | UPL  | X 2 - Dominance Test is >50%  |
| 7. Oenothera gaura  | 2                                      | No              | FACU   | 3 - Prevalence Index is ≤3.01   |
| 8.  |  |                 |  | 4 - Morphological Adaptations <sup>1</sup> (Provide supporting                |
| 9.  |  |                 |  | data in Remarks or on a separate sheet)                                       |
| 10  |  |                 |  | Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)                     |
|   | 100 =                                  | Total Cover     |  | <sup>1</sup> Indicators of hydric soil and wetland hydrology must             |
| Woody Vine Stratum (Plot size:  | )                                      |                 | L  | be present, unless disturbed or problematic.                                  |
| 1.  | · —                                    |                 |  | Hydrophytic   |
| 2   |  | Total C         |  | Vegetation  |
|   |  | Total Cover     |  | Present? Yes X No No  |
| Remarks: (Include photo numbers here or on a ser<br>Community Type: developed land HGM Type: Hydrophy |  | resent. About   | t 2ft of elevation   | change over about 30ft between the paired data points.                        |

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| SOIL                            |  |               |                        |                            |         | •                |                | w.                      |               | mpling Point:    | 1444 29 C |
|---------------------------------|--|---------------|------------------------|----------------------------|---------|------------------|----------------|-------------------------|---------------|------------------|-----------|
|                                 | ription: (Describe                         | to the dep    |                        |                            | indica  | tor or o         | confirm the    | absence o               | findicators   | i.)              |           |
| Depth<br>inches)                | Color (moist)                              | <u></u> %     | C207 142 1794 - 1947   | ox Features<br>% 7         | Гуре    | Loc <sup>2</sup> | Text           |                         |               | Domorko          |           |
|                                 | NAME OF TAXABLE PARTY.                     |               | Color (moist)          | 90                         | ype     | LUC              | -              | 1900                    |               | Remarks          |           |
| 0-4                             | 10YR 3/2                                   | 100           | 75_377466 X6_35 0g8X85 | - 1                        | 200     | 5000             | Loamy/         | Clayey                  | 10000 10      | clay loam        | 93 1990   |
| 4-16                            | 10YR 4/1                                   | 90            | 7.5YR 4/6              | 10                         | С       | M_               |                |                         | Promine       | nt redox conc    | entration |
|                                 |  |               |                        |                            |         |                  |                |                         | mixing        | of soils in seco | ond laye  |
|                                 |  |               |                        |                            |         |                  |                |                         |               |                  |           |
|                                 |  |               |                        |                            |         |                  |                |                         |               |                  |           |
|                                 |  |               |                        |                            |         |                  | 8              |                         | 8             |                  |           |
|                                 |  |               |                        | -                          |         | -                | -              |                         |               |                  |           |
| vne: C=Co                       | ncentration, D=Dep                         | letion RM:    | -Reduced Matrix        | MS=Masker                  | d Sanc  | Grains           | -              | 21 ocation:             | DI =Dore I    | ining, M=Matr    | iv        |
| dric Soil li                    |  | iotion, reivi | Troduced Matrix,       | IVIO-IVIOSICO              | a ounc  | Oldino           | •              |                         |               | matic Hydric     |           |
| Histosol (                      |  |               | Sandy Gl               | eyed Matrix                | (S4)    |                  |                |                         | Prairie Red   |                  |           |
| Toolee and the first            | pedon (A2)                                 |               | Sandy Re               | S 933-3390                 | ()      |                  |                | the same                |               | Masses (F12)     |           |
| Black His                       | E1 15 150                                  |               |                        | Matrix (S6)                |         |                  |                |                         | arent Mater   |                  |           |
| The contract of the contract of | Sulfide (A4)                               |               | Dark Surf              |                            |         |                  |                |                         |               | Surface (F22     | 2)        |
| _                               | Layers (A5)                                |               |                        | ucky Minera                | l (F1)  |                  |                |                         | (Explain in I | or 1000 No.      |           |
| _<br>2 cm Mud                   | 3 / / /                                    |               |                        | leyed Matrix               |         |                  |                |                         | wo ((5))      |                  |           |
|                                 | Below Dark Surface                         | (A11)         | X Depleted             | Hay-Avano Abstraction-     |         |                  |                |                         |               |                  |           |
| Thick Dar                       | rk Surface (A12)                           |               | Redox Da               | ark Surface (              | (F6)    |                  |                | <sup>3</sup> Indicators | of hydroph    | ytic vegetation  | and       |
| _<br>Sandy Mu                   | ucky Mineral (S1)                          |               | Depleted               | Dark Surfac                | e (F7)  |                  |                | wetlan                  | d hydrology   | must be pres     | ent,      |
| 5 cm Mud                        | ky Peat or Peat (S3                        | 3)            | Redox De               | epressions (I              | F8)     |                  |                | unless                  | disturbed of  | or problematic   |           |
|                                 |  |               |                        |                            |         |                  |                |                         |               |                  |           |
| DROLO                           | GY   |               |                        |                            |         |                  |                |                         |               |                  |           |
| etland Hvd                      | Irology Indicators:                        |               |                        |                            |         |                  |                |                         |               |                  |           |
| ACC. 10 - 70                    | ators (minimum of o                        |               | red; check all that    | apply)                     |         |                  |                | Secondary               | Indicators    | (minimum of t    | wo requ   |
| Surface V                       | Vater (A1)                                 |               | Water-St               | ained Leave                | s (B9)  |                  | -              | Surfac                  | e Soil Crac   | ks (B6)          |           |
| _<br>High Wat                   | er Table (A2)                              |               | Aquatic F              | auna (B13)                 |         |                  |                | Draina                  | ge Patterns   | (B10)            |           |
| Saturation                      | n (A3)                                     |               | True Aqu               | atic Plants (              | B14)    |                  |                | Dry-Se                  | eason Wate    | r Table (C2)     |           |
| _Water Ma                       | arks (B1)                                  |               | Hydrogen               | Sulfide Odd                | or (C1) |                  |                | Crayfis                 | sh Burrows    | (C8)             |           |
| Sediment                        | Deposits (B2)                              |               | Oxidized               | Rhizosphere                | es on L | iving R          | oots (C3)      |                         |               | on Aerial Ima    | 3 3 3     |
| _Drift Depo                     | 50 50                                      |               |                        | of Reduced                 | 33      | 50               |                |                         |               | ed Plants (D1)   | )         |
|                                 | or Crust (B4)                              |               |                        | on Reduction               |         | led Soil         | s (C6)         |                         | orphic Posit  | 51 61            |           |
| _Iron Depo                      |  | (5)           | 4000                   | k Surface (C               |         |                  |                | — FAC-N                 | leutral Test  | (D5)             |           |
|                                 | n Visible on Aerial I<br>Vegetated Concave |               |                        | Well Data (                |         |                  |                |                         |               |                  |           |
|                                 | 20   | ounace (I     | Other (Ex              | plain in Ren               | narks)  |                  | 1              |                         |               |                  |           |
| eld Observ                      |  | 120           | NE W                   | Death Coal                 | L V -   |                  |                |                         |               |                  |           |
| rtace vvate<br>ater Table I     | er Present? Ye                             |               | No X<br>No X           | Depth (inch                |         |                  |                |                         |               |                  |           |
| ater rable i<br>aturation Pre   |  | s             | No X                   | Depth (inch<br>Depth (inch |         |                  | Wetland        | d Hydrology             | / Present?    | Yes              | No        |
|                                 | illary fringe)                             |               | 140                    | Depair (iiiti)             |         |                  | - **etialit    | a riyurulug)            | , rieseiit f  | 103              | NO.       |
| 5,650 (240)                     | orded Data (stream                         | gauge, mi     | onitoring well, aeri   | al photos, n               | revious | sinsper          | tions). if ava | ailable:                |               |                  |           |
|                                 |  | JJ-,          |                        | , p.                       |         |                  | ,,             |                         |               |                  |           |
| emarks:                         |  |               |                        |                            |         |                  |                |                         |               |                  |           |
|                                 | ology is neither pres                      | sent nor inc  | dicated.               |                            |         |                  |                |                         |               |                  |           |
|                                 |  |               |                        |                            |         |                  |                |                         |               |                  |           |
|                                 |  |               |                        |                            |         |                  |                |                         |               |                  |           |

Midwest - Version 2.0

APPENDIX L L-220 NOVEMBER 2022

Midwest - Version 2.0

| U.S. Army Corps of Enginee   | ers                  | 10                 | Requirem                                   | ent Control Sy                          | mbol                     |
|--|----------------------|--------------------|--|---|--------------------------|
| WETLAND DETERMINATION DATA SHEET   |                      | 1000               |  | EXEMPT                                  |                          |
| See ERDC/EL TR-07-24; the proponent agend  | cy is CECW-0         | CO-R               | (Authority: AR                             | 335-15, parag                           | raph 5-2a)               |
| Project/Site: Chicago O'Hare International Airport (ORD)   | City/Cou             | nty: Chicago/0     | Cook                                       | Sampling Date:                          | 9/17/2019                |
| Applicant/Owner: City of Chicago   |                      |                    | State: IL                                  | Sampling Point:                         | NW39 UPL 2               |
| Investigator(s): Brauna Hartzell, Conor Makepeace, Mead & Hunt   | , Inc. Section, T    | ownship, Rang      | ge: Section 25, T41N                       | I, R11E                                 |                          |
| Landform (hillside, terrace, etc.): flat   |                      | Local relief (co   | ncave, convex, none):                      | convex                                  |                          |
| Slope (%): <1% Lat: 42.0108761   | Long: -              | 87.92261814        |  | Datum: WGS84                            |                          |
| Soil Map Unit Name: 805A - Orthents, clayey, nearly level (Predo   |                      |                    | 000000000000000000000000000000000000000    |   |                          |
| Are climatic / hydrologic conditions on the site typical for this time   |                      | Yes                | No X (If no, ex                            |   |                          |
| Are Vegetation, Soil, or Hydrologysignificant  | M March - March 1990 |                    |  |   |                          |
| Are Vegetation, Soil, or Hydrology naturally p   |                      |                    |  |   | ··—                      |
|  |                      |                    |  |   |                          |
| SUMMARY OF FINDINGS – Attach site map show   | ving sampiin         | ig point loc       | ations, transects                          | s, important re                         | atures, etc.             |
| Hydrophytic Vegetation Present? Yes No _X  | Is the               | Sampled Are        | a  |   |                          |
| Hydric Soil Present? Yes X No  | withir               | n a Wetland?       | Yes  | No X                                    |                          |
| Wetland Hydrology Present? Yes X No  |                      |                    |  |   |                          |
| Remarks:<br>Climatic/hydrologic conditions are not typical due to an above a   | verage amount o      | of rainfall during | g September 2019. R                        | eceives run off fror                    | m parking lot to         |
| the north.   |                      |                    |  |   |                          |
| VEGETATION – Use scientific names of plants.   |                      |                    |  |   |                          |
| Absolute   | e Dominant           | Indicator          | 0.001 25 200-007 27                        | 26 28 28                                |                          |
| Tree Stratum (Plot size:) % Cove   | r Species?           | Status             | Dominance Test wo                          | rksheet:                                |                          |
| 1  |                      |                    | Number of Dominant                         | manife serve                            | 4 (A)                    |
| 2.<br>3.   | <del>-</del>         |                    | Are OBL, FACW, or F                        |   | 1(A)                     |
| 4  | =                    |                    | Total Number of Dom<br>Across All Strata:  | ninant Species                          | 2 (B)                    |
| 5.   |                      |                    |  | Charles That                            | (D)                      |
| · · · · · · · · · · · · · · · · · · ·  | =Total Cover         |                    | Percent of Dominant<br>Are OBL, FACW, or I |   | 50.0% (A/B)              |
| Sapling/Shrub Stratum (Plot size: 15ft )   |                      |                    |  | *************************************** |                          |
| 1. Rhamnus cathartica 75   | Yes                  | FAC                | Prevalence Index w                         | orksheet:                               |                          |
| 2.   |                      |                    | Total % Cover o                            | f: Multipl                              | ly by:                   |
| 3.   |                      |                    | OBL species 1                              | 0 x 1 =                                 | 10                       |
| 4.   |                      |                    | FACW species                               | 0 x 2 =                                 | 0                        |
| 5.   |                      |                    | FAC species 8                              | 0 x 3 =                                 | 240                      |
| 75   | =Total Cover         |                    | FACU species 2                             | 0 x 4 =                                 | 80                       |
| Herb Stratum (Plot size: 5ft )   | <del></del> -        |                    | UPL species 4                              | 0 x 5 =                                 | 200                      |
| 1. Dipsacus laciniatus 40  | Yes                  | UPL                | Column Totals: 1                           | 50 (A)                                  | 530 (B)                  |
| Solidago canadensis  | No                   | FACU               | Prevalence Index                           | = B/A = 3.5                             | 3                        |
| 3. Symphyotrichum ericoides 5  | No                   | FACU               |  | -                                       | Ť.                       |
| 4. Prunella vulgaris 5   | No                   | FAC                | Hydrophytic Vegeta                         | tion Indicators:                        |                          |
| 5. Lycopus americanus 5  | No                   | OBL                | 1 - Rapid Test fo                          | r Hydrophytic Vege                      | etation                  |
| 6. Juniperus virginiana 5  | No                   | FACU               | 2 - Dominance T                            | est is >50%                             |                          |
| 7. Lythrum salicaria 5   | No                   | OBL                | 3 - Prevalence In                          | dex is ≤3.0 <sup>1</sup>                |                          |
| 8.   |                      |                    | 4 - Morphologica                           | l Adaptations¹ (Pro                     | vide supporting          |
| 9.   |                      |                    | data in Remar                              | ks or on a separate                     | e sheet)                 |
| 10.  |                      |                    | Problematic Hydi                           | ophytic Vegetation                      | n <sup>1</sup> (Explain) |
| 75   | =Total Cover         |                    | <sup>1</sup> Indicators of hydric s        | oil and wetland hy                      | drology must             |
| Woody Vine Stratum (Plot size:)  |                      | L                  | be present, unless dis                     |   |                          |
| 1.   |                      |                    | Hydrophytic                                |   |                          |
| 2  |                      |                    | Vegetation                                 |   |                          |
|  | =Total Cover         |                    | Present? Yes                               | No_X                                    |                          |
| Remarks: (Include photo numbers here or on a separate sheet Community Type: upland forest HGM Type: Hydrophytic vegi |                      | sent. Bare soil    | due to Rhamnus and                         | shading.                                |                          |
|  | 3 not pro            | u.c 50ii           | and and                                    |   |                          |

APPENDIX L L-221 NOVEMBER 2022

| D-nth.   | cription: (Describe  | to the del                   | Monte posses and management Assess   |  |   | ונטו טו כ                             | OUIIIIII nie ansen   | ce of maleato  | 15.)  |           |
|--|--|------------------------------|--|--|---|---------------------------------------|--|--|---|-----------|
| Depth  | Matrix   |                              | The second second  | x Featur   | 100000  | Loc <sup>2</sup>                      | Tankina  |  | Damada  |           |
| (inches)   | Color (moist)  | <u>%</u>                     | Color (moist)  | %  | Type  | LOC                                   | Texture  |  | Remarks   |           |
| 0-4  | 7.5YR 3/1  | 100                          | TOTAL COL  |  |   | 5121                                  | Loamy/Clayey   | 1207 0   | clay loam   | 11 397    |
| 4-16   | 10YR 4/2   | 85                           | 10YR 5/6   | 15   | <u> </u>  | M                                     | Loamy/Clayey   | Promin   | nent redox conce  | ntrations |
|  |  |                              |  | _  |   |                                       |  |  |   |           |
| <sup>1</sup> Type: C=C   | oncentration, D=Dep  | letion, RM                   | <br>I=Reduced Matrix, I  | MS=Mas   | ked Sand  | d Grains                              | <sup>2</sup> Loca  | tion: PL=Pore  | Lining, M=Matrix  | ć         |
| Hydric Soil  | Indicators:  |                              |  |  |   |                                       |  |  | lematic Hydric  |           |
| Histosol   | (A1)   |                              | Sandy Gle  | yed Mat  | rix (S4)  |                                       | <u> </u>   | oast Prairie Re  | edox (A16)  |           |
| Histic Ep  | pipedon (A2)   |                              | Sandy Re   | dox (S5)   |   |                                       | Ir   | on-Manganese   | Masses (F12)  |           |
| Black Hi   | istic (A3)   |                              | Stripped N   | ∕latrix (Si  | 8)  |                                       | R  | ed Parent Mat  | erial (F21)   |           |
|  | en Sulfide (A4)  |                              | Dark Surfa   | ace (S7)   |   |                                       | v  | ery Shallow Da   | ark Surface (F22)   | )         |
| Stratified   | d Layers (A5)  |                              | Loamy Mu   | icky Min   | eral (F1)   |                                       | <u> </u>   | ther (Explain ir   | n Remarks)  |           |
| 2 cm Mu  | uck (A10)  |                              | Loamy Glo  | eyed Ma  | trix (F2)   |                                       |  |  |   |           |
| X Depleted   | d Below Dark Surface   | (A11) €                      | X Depleted   | Matrix (F  | 3)  |                                       |  |  |   |           |
| Thick Da   | ark Surface (A12)  |                              | Redox Da   | rk Surfac  | ce (F6)   |                                       | <sup>3</sup> Indic   | ators of hydrop  | phytic vegetation   | and       |
|  | Mucky Mineral (S1)   |                              | Depleted   |  |   | fi                                    |  | 150  | gy must be prese  | ∍nt,      |
| 5 cm Mu  | ucky Peat or Peat (S3  | 5)                           | Redox De   | pression   | s (F8)  |                                       | uı   | iless disturbed  | d or problematic.   |           |
| Restrictive  | Layer (if observed):   |                              |  |  |   |                                       |  |  |   |           |
|  |  |                              |  |  |   |                                       |  |  |   |           |
| Type:  |  |                              |  |  |   |                                       |  |  |   |           |
| Depth (ii  |  |                              | ator Depleted Below  | v Dark S   | urface (A   | 11) and                               | <b>Hydric Soil Pres</b> Depleted Matrix (F   | 15000001500  | Yes X   | No _      |
| Depth (ii  | nches):  |                              | ator Depleted Belov  | v Dark S   | urface (A   | .11) and                              | and accordant activities as asset  | 15000001500  | 2000,000  | No_       |
| Depth (ii Remarks: Hydric soils  | nches): are present. Hydric s  | soils indica                 | ator Depleted Below  | v Dark S   | urface (A   | .11) and                              | and accordant activities as asset  | 15000001500  | 2000,000  | No _      |
| Depth (ii Remarks: Hydric soils  HYDROLO Wetland Hy  | are present. Hydric s  | soils indica                 |  |  | urface (A   | .11) and                              | Depleted Matrix (F   | 3) are satisfied   | d.  | 3300      |
| Depth (ii Remarks: Hydric soils  HYDROLC Wetland Hy Primary Indi   | are present. Hydric s  OGY  drology Indicators: cators (minimum of o   | soils indica                 | uired: check all that  | apply)   |   |                                       | Depleted Matrix (F   | 3) are satisfied   | d.<br>s (minimum of tw  | 3300      |
| Depth (ii Remarks: Hydric soils  HYDROLC Wetland Hy Primary Indi Surface   | are present. Hydric s  OGY  rdrology Indicators: cators (minimum of o  Water (A1)  | soils indica                 | uired: check all that<br>Water-Sta   | apply)<br>ained Lea  | aves (B9)   |                                       | Depleted Matrix (F   | 3) are satisfied<br>adary Indicator<br>urface Soil Cra   | d.<br>s (minimum of twacks (B6)   | 3300      |
| Depth (ii Remarks: Hydric soils  HYDROLO Wetland Hy Primary Indi Surface X High Wa   | are present. Hydric s  OGY  rdrology Indicators: cators (minimum of o Water (A1) ater Table (A2)   | soils indica                 | uired: check all that<br>Water-Sta<br>Aquatic Fa   | apply)<br>ained Lea<br>auna (B1  | aves (B9)   |                                       | Depleted Matrix (F   | 3) are satisfied<br>adary Indicator<br>urface Soil Cra<br>rainage Patteri  | s (minimum of twacks (B6)   | 3300      |
| Depth (ii Remarks: Hydric soils  HYDROLO Wetland Hy Primary Indi Surface X High Wa X Saturatio   | are present. Hydric s  OGY  rdrology Indicators: cators (minimum of o Water (A1) ater Table (A2)   | soils indica                 | uired: check all that<br>Water-Sta<br>Aquatic Fe<br>True Aqua  | apply)<br>ained Lea<br>auna (B1<br>atic Plant  | aves (B9)<br>13)<br>ts (B14)  |                                       | Depleted Matrix (F   | 3) are satisfied<br>dary Indicator<br>urface Soil Cra<br>rainage Patter<br>ry-Season Wa  | s (minimum of twacks (B6) ns (B10) ter Table (C2)   | 3300      |
| Depth (ii  Remarks: Hydric soils  HYDROLO  Wetland Hy Primary Indi Surface X High Wa X Saturatio Water N   | are present. Hydric s  OGY  rdrology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3)   | soils indica                 | uired: check all that<br>Water-Sta<br>Aquatic Fa   | apply)<br>ained Lea<br>auna (B1<br>atic Plant<br>Sulfide (   | aves (B9)<br>13)<br>ts (B14)<br>Odor (C1)   | )                                     | Depleted Matrix (F   | 3) are satisfied<br>adary Indicator<br>urface Soil Cra<br>rainage Patter<br>ry-Season Wa<br>rayfish Burrow   | s (minimum of twacks (B6) ns (B10) ter Table (C2)   | vo requir |
| Depth (ii  Remarks: Hydric soils  HYDROLO  Wetland Hy Primary Indi Surface  X High Wa X Saturatie Water M Sedimer  | are present. Hydric s  OGY  rdrology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) flarks (B1)   | soils indica                 | uired: check all thatWater-StaAquatic Fi<br>True Aqua<br>Hydrogen  | apply)<br>ained Lea<br>auna (B1<br>atic Plant<br>Sulfide (<br>Rhizosph   | aves (B9)<br>13)<br>ts (B14)<br>Odor (C1)<br>teres on l   | )<br>Living Ro                        | Depleted Matrix (F  Secon S D D D D D D D D D D D D D D D D D S  | 3) are satisfied<br>udary Indicator<br>urface Soil Cra<br>rainage Patter<br>ry-Season Wa<br>rayfish Burrow<br>aturation Visibi                                   | s (minimum of twacks (B6) ns (B10) ter Table (C2) s (C8)  | vo requir |
| Depth (ii  Remarks: Hydric soils  HYDROLO Wetland Hy Primary Indi Surface X High Wa X Saturati Water M Sedimer Drift Dep   | are present. Hydric s  OGY  rdrology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2)   | soils indica                 | uired: check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized F  | apply)<br>ained Lea<br>auna (B1<br>atic Plant<br>Sulfide (<br>Rhizosph<br>of Reduc                                       | aves (B9)<br>13)<br>ts (B14)<br>Odor (C1)<br>neres on I<br>ced Iron (   | )<br>Living Ro<br>(C4)                | Secon   Seco | 3) are satisfied<br>udary Indicator<br>urface Soil Cra<br>rainage Patter<br>ry-Season Wa<br>rayfish Burrow<br>aturation Visibi                                   | s (minimum of twacks (B6) ns (B10) ter Table (C2) s (C8) le on Aerial Imag                                      | vo requir |
| Depth (ii  Remarks: Hydric soils  HYDROLC  Wetland Hy Primary Indi Surface X High Wa X Saturati Water M Sedimer Drift Dep Algal Ma   | are present. Hydric s  OGY  rdrology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3)   | soils indica                 | uired: check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized F  | apply)<br>ained Lea<br>auna (B1<br>atic Plant<br>Sulfide (<br>Rhizosph<br>of Reduon<br>Reduon                            | aves (B9)<br>3)<br>ts (B14)<br>Odor (C1)<br>eres on L<br>ced Iron (<br>ction in Ti  | )<br>Living Ro<br>(C4)                | Secon   Seco | adary Indicator<br>urface Soil Cra<br>rainage Patter<br>ry-Season Wa<br>rayfish Burrow<br>aturation Visibi<br>tunted or Stres                                    | s (minimum of twacks (B6) ns (B10) ter Table (C2) s (C8) le on Aerial Imag sed Plants (D1) sition (D2)          | vo requir |
| Depth (ii  Remarks: Hydric soils  HYDROLC  Wetland Hy Primary Indi Surface X High Wat X Saturati Water M Sedimer Drift Dep Algal Ma  | are present. Hydric s  OGY  vidrology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4)   | soils indica                 | uired: check all that  Water-Sta  Aquatic F:  True Aqua  Hydrogen  Oxidized F:  Presence  Recent Irc   | apply) ained Lea auna (B1 sulfide ( Rhizosph of Reduo n Reduc surface  | aves (B9) 13) ts (B14) Odor (C1) eres on L ced Iron ( ction in Ti e (C7)  | )<br>Living Ro<br>(C4)                | Secon   Seco | adary Indicator: urface Soil Cra rainage Patterr ry-Season Wa rayfish Burrow aturation Visibi tunted or Strese   | s (minimum of twacks (B6) ns (B10) ter Table (C2) s (C8) le on Aerial Imag sed Plants (D1) sition (D2)          | vo requir |
| Depth (ii Remarks: Hydric soils  HYDROLO Wetland Hy Primary Indi Surface X High Wa X Saturati Water N Sedimer Drift Dep Algal Ma Iron Dep Inundati   | are present. Hydric s  OGY  Indicators:  cators (minimum of o  Water (A1)  ater Table (A2)  on (A3)  Marks (B1)  nt Deposits (B2)  posits (B3)  at or Crust (B4)  posits (B5)  | one is requ                  | uired: check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized Fi  Presence  Recent Irc  Thin Muck  17)  Gauge or                           | apply) ained Lea auna (B1 autic Plant Sulfide ( Rhizosph of Reduc on Reduc c Surface Well Dat                            | aves (B9) 13) ts (B14) Odor (C1) neres on I ced Iron ( ction in Ti e (C7) ta (D9)   | )<br>Living Ro<br>(C4)                | Secon   Seco | adary Indicator: urface Soil Cra rainage Patterr ry-Season Wa rayfish Burrow aturation Visibi tunted or Strese   | s (minimum of twacks (B6) ns (B10) ter Table (C2) s (C8) le on Aerial Imag sed Plants (D1) sition (D2)          | vo requir |
| Depth (ii Remarks: Hydric soils  HYDROLO Wetland Hy Primary Indi Surface X High Wa X Saturati Water N Sedimer Drift Dep Algal Ma Iron Dep Inundati   | are present. Hydric s  OGY  redrology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) farks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial Ir y Vegetated Concave   | one is requ                  | uired: check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized Fi  Presence  Recent Irc  Thin Muck  17)  Gauge or                           | apply) ained Lea auna (B1 autic Plant Sulfide ( Rhizosph of Reduc on Reduc c Surface Well Dat                            | aves (B9) 13) ts (B14) Odor (C1) neres on I ced Iron ( ction in Ti e (C7) ta (D9)   | )<br>Living Ro<br>(C4)                | Secon   Seco | adary Indicator: urface Soil Cra rainage Patterr ry-Season Wa rayfish Burrow aturation Visibi tunted or Strese   | s (minimum of twacks (B6) ns (B10) ter Table (C2) s (C8) le on Aerial Imag sed Plants (D1) sition (D2)          | vo requir |
| Depth (ii Remarks: Hydric soils  HYDROLO Wetland Hy Primary Indi Surface X High Wa X Saturati Water N Sedimer Drift Dep Algal Ma Iron Dep Inundati Sparsely Field Obser  | are present. Hydric s  OGY  redrology Indicators: cators (minimum of or Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B3) at or Crust (B4) posits (B5) on Visible on Aerial In y Vegetated Concave revations:   | ne is required the magery (B | uired: check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized Fi  Presence  Recent Irc  Thin Muck  37)  Gauge or  B8)  Other (Exp          | apply) ained Lea auna (B1 autic Plant Sulfide ( Rhizosph of Reduc on Reduc c Surface Well Dat                            | aves (B9) aves (B14) Odor (C1) neres on L ced Iron ( ction in Ti e (C7) ta (D9) Remarks)  | )<br>Living Ro<br>(C4)                | Secon   Seco | adary Indicator: urface Soil Cra rainage Patterr ry-Season Wa rayfish Burrow aturation Visibi tunted or Strese   | s (minimum of twacks (B6) ns (B10) ter Table (C2) s (C8) le on Aerial Imag sed Plants (D1) sition (D2)          | vo requir |
| Depth (ii Remarks: Hydric soils  HYDROLO Wetland Hy Primary Indi Surface X High Wa X Saturati Water N Sedimer Drift Dep Algal Ma Iron Dep Inundati Sparsely Field Obser  | are present. Hydric s  OGY  rdrology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) flarks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial Ir y Vegetated Concave rvations: ter Present? Ye   | ne is required the magery (B | uired: check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized Fi  Presence  Recent Irc  Thin Muck  17)  Gauge or                           | apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc on Reduc ( Surface Well Dat plain in F                  | aves (B9) 13) ts (B14) Odor (C1) neres on I ced Iron (i tition in Ti e (C7) ta (D9) Remarks) inches): _   | )<br>Living Ro<br>(C4)                | Secon   Seco | adary Indicator: urface Soil Cra rainage Patterr ry-Season Wa rayfish Burrow aturation Visibi tunted or Strese   | s (minimum of twacks (B6) ns (B10) ter Table (C2) s (C8) le on Aerial Imag sed Plants (D1) sition (D2)          | vo requir |
| Depth (ii Remarks: Hydric soils  HYDROLC  Wetland Hy Primary Indi Surface X High Wa X Saturati Water N Sedimer Drift Dep Algal Ma Iron Dep Inundati Sparsely  Field Obser Surface Water  | are present. Hydric s  OGY  Idrology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B3) at or Crust (B4) posits (B5) on Visible on Aerial Ir y Vegetated Concave rvations: ter Present? Ye Present? Ye  | magery (B                    | uired: check all that  Water-Sta  Aquatic Fi  True Aque  Hydrogen  Oxidized Fi  Presence  Recent Ird  Thin Muck  17)  Gauge or  (B8)  Other (Ex          | apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc c Surface Well Dat plain in F                           | aves (B9) 13) ts (B14) Odor (C1) neres on L ced Iron ( ction in Ti e (C7) ta (D9) Remarks) inches): inches):  | )<br>Living Ro<br>(C4)<br>Iled Soils  | Secon   Seco | adary Indicator<br>urface Soil Cra<br>rainage Patter<br>ry-Season Wa<br>rayfish Burrow<br>aturation Visibi<br>united or Stres<br>eomorphic Pot<br>AC-Neutral Ter | s (minimum of twacks (B6) ns (B10) ter Table (C2) s (C8) le on Aerial Imag ssed Plants (D1) sition (D2) st (D5) | vo requi  |
| Depth (ii Remarks: Hydric soils  HYDROLC  Wetland Hy Primary Indi Surface X High Wa X Saturatio Water M Sedimer Drift Dep Inundati Sparsely Field Obser Surface Water Table Saturation F   | are present. Hydric s  OGY  Idrology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B3) at or Crust (B4) posits (B5) on Visible on Aerial Ir y Vegetated Concave rvations: ter Present? Ye Present? Ye  | magery (Besumagery X         | wired: check all that  | apply) ained Lea auna (B1 attic Plant Sulfide ( Rhizosph of Reduc of Reduc of Surface ( Surface Well Dat plain in F      | aves (B9) 13) ts (B14) Odor (C1) neres on L ced Iron ( ction in Ti e (C7) ta (D9) Remarks) inches): inches):  | )<br>Living Ro<br>(C4)<br>Illed Soil: | Secon  | adary Indicator<br>urface Soil Cra<br>rainage Patter<br>ry-Season Wa<br>rayfish Burrow<br>aturation Visibi<br>united or Stres<br>eomorphic Pot<br>AC-Neutral Ter | s (minimum of twacks (B6) ns (B10) ter Table (C2) s (C8) le on Aerial Imag ssed Plants (D1) sition (D2) st (D5) | ery (CS   |
| Depth (in Remarks: Hydric soils | are present. Hydric s  OGY  Inches):  Are present. Hydric s  Inches in the series of t | magery (Be Surface (         | ired: check all that  — Water-Sta — Aquatic Fa — True Aqua — Hydrogen — Oxidized F — Presence — Recent Irc — Thin Muck 57) — Gauge of — B8) — Other (Exp | apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc c Surface ( Surface ) Datiplain in F  Depth (i Depth (i | aves (B9) 13) ts (B14) Odor (C1) teres on l ced fron ( | )<br>Living Ro<br>(C4)<br>Illed Soils | Depleted Matrix (F   | adary Indicator<br>urface Soil Cra<br>rainage Patter<br>ry-Season Wa<br>rayfish Burrow<br>aturation Visibi<br>united or Stres<br>eomorphic Pot<br>AC-Neutral Ter | s (minimum of twacks (B6) ns (B10) ter Table (C2) s (C8) le on Aerial Imag ssed Plants (D1) sition (D2) st (D5) | ery (CS   |
| Depth (in Remarks: Hydric soils | are present. Hydric s  OGY  Inches):  Inches):  Inches):  Inches  | magery (Be Surface (         | ired: check all that  — Water-Sta — Aquatic Fa — True Aqua — Hydrogen — Oxidized F — Presence — Recent Irc — Thin Muck 57) — Gauge of — B8) — Other (Exp | apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc c Surface ( Surface ) Datiplain in F  Depth (i Depth (i | aves (B9) 13) ts (B14) Odor (C1) teres on l ced fron ( | )<br>Living Ro<br>(C4)<br>Illed Soils | Depleted Matrix (F   | adary Indicator<br>urface Soil Cra<br>rainage Patter<br>ry-Season Wa<br>rayfish Burrow<br>aturation Visibi<br>united or Stres<br>eomorphic Pot<br>AC-Neutral Ter | s (minimum of twacks (B6) ns (B10) ter Table (C2) s (C8) le on Aerial Imag ssed Plants (D1) sition (D2) st (D5) | vo requi  |

## U.S. Army Corps of Engineers Requirement Control Symbol WETLAND DETERMINATION DATA SHEET - Midwest Region **EXEMPT** See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R (Authority: AR 335-15, paragraph 5-2a) Project/Site: Chicago O'Hare International Airport (ORD) City/County: Chicago/Cook Sampling Date: 9/17/2019 Applicant/Owner: City of Chicago Sampling Point: NW 39 WET 1 Investigator(s): Brauna Hartzell, Conor Makepeace, Mead & Hunt, Inc. Section, Township, Range: Section 25, T41N, R11E Local relief (concave, convex, none): concave Landform (hillside, terrace, etc.): shallow swale Slope (%): <1% Lat: 42.01089212 \_\_\_\_\_Datum: WGS84 Long: -87.92364377 NWI classification: PSS Soil Map Unit Name: 805A - Orthents, clayey, nearly level (Predominantly Non-hydric (6%)) Are climatic / hydrologic conditions on the site typical for this time of year? Yes\_\_\_\_\_ No\_X (If no, explain in Remarks.) Are Vegetation\_\_\_\_, Soil\_\_\_\_, or Hydrology\_\_\_\_significantly disturbed? Are "Normal Circumstances" present? Yes X No\_ Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes Is the Sampled Area Hydric Soil Present? Yes X within a Wetland? Yes X No No Yes X Wetland Hydrology Present? Climatic/hydrologic conditions are not typical due to an above average amount of rainfall during September 2019. VEGETATION - Use scientific names of plants. (Plot size: 30 ft Dominance Test worksheet: Tree Stratum Species? Status 1. Salix alba 30 FACW Yes Number of Dominant Species That 2. Populus deltoides Yes FAC Are OBL, FACW, or FAC: (A) 3. Fraxinus pennsylvanica 5 No FACW Total Number of Dominant Species 4. Across All Strata: 5. Percent of Dominant Species That 45 =Total Cover Are OBL, FACW, or FAC: 100.0% (A/B) (Plot size: \_\_\_\_15ft Sapling/Shrub Stratum Prevalence Index worksheet: 1. Rhamnus cathartica Yes FAC Total % Cover of: Multiply by: 3 OBL species 0 x 1 = 0 FACW species 90 x 2 = FAC species 5. x 3 =40 =Total Cover FACU species x 4 =Herb Stratum (Plot size: UPL species 0 x 5 = 0 Column Totals: 185 (A) 1. Apocynum cannabinum Yes FAC Yes 2. Phalaris arundinacea 25 **FACW** Prevalence Index = B/A = \_ FACW 25 Yes 3. Carex vulpinoidea 4. Solidago sempervirens No FACW Hydrophytic Vegetation Indicators: 5. Rhamnus cathartica 5 No FAC 1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50% 6 X 3 - Prevalence Index is ≤3.01 4 - Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) 10 100 =Total Cover <sup>1</sup>Indicators of hydric soil and wetland hydrology must Woody Vine Stratum (Plot size: be present, unless disturbed or problematic. Hydrophytic Vegetation =Total Cover Present? Yes X Remarks: (Include photo numbers here or on a separate sheet.)

ENG FORM 6116-7-SG, JUL 2018

Midwest - Version 2.0

APPENDIX L L-223 NOVEMBER 2022

Community Type: wet meadow/forested wetland HGM Type: depressional Hydrophytic vegetation is present.

| pepth Matrix nches) Color (moist) %  |   | ox Features<br>% 7   | Type <sup>1</sup>  | Loc <sup>2</sup>                | Ta4                 | uro   |  | Domorko  |           |
|--|---|--|--|---------------------------------|---------------------|---|--|--|-----------|
| and the same of th |   | -  | 2000   | 100000                          | Text                | 1996  | D  | Remarks  |           |
| 0-4 10YR 4/1 95  |   | 5  | <u>C</u>   | M                               | Loamy/              | 20000   | 20000 10   | t redox conce  | 53 2955   |
| 4-16 10YR 6/1 70   | 7.5YR 5/6   | 30   | <u> </u>   | _M_                             | Loamy/              | Clayey  | Prominen   | t redox conce  | entration |
|  |   | ==   |  |                                 |                     |   |  |  |           |
| ype: C=Concentration, D=Depletion,   | RM=Reduced Matrix   | MS=Maske   | d Sano   | Grains                          | <del></del>         | <sup>2</sup> Location:                                    | PL=Pore Lir  | ning, M=Matri  | x.        |
| ydric Soil Indicators:   | Tim Houdood mann,   | oaoo   | 4 04.1.0   |                                 | •                   |   |  | natic Hydric   |           |
| Histosol (A1)  | Sandy Gl  | eyed Matrix  | (S4)   |                                 |                     |   | Prairie Redo   |  |           |
| Histic Epipedon (A2)   | Sandy Re  | edox (S5)  |  |                                 |                     |   | langanese M  |  |           |
| Black Histic (A3)  | Stripped I  | Matrix (S6)  |  |                                 |                     | Red F   | arent Materia  | al (F21)   |           |
| Hydrogen Sulfide (A4)  | Dark Surf   | ace (S7)   |  |                                 |                     | Very :  | Shallow Dark   | Surface (F22   | )         |
| Stratified Layers (A5)   |   | ucky Minera  | al (F1)  |                                 |                     | -   | (Explain in R  | 1000 40  |           |
| 2 cm Muck (A10)  | Loamy Gl  | eyed Matrix  | (F2)   |                                 |                     | _   |  |  |           |
| Depleted Below Dark Surface (A11   |   | HAMENIAND PROGRAMMENT  |  |                                 |                     |   |  |  |           |
| Thick Dark Surface (A12)   | Redox Da  | ark Surface (  | (F6)   |                                 |                     | 3Indicators   | of hydrophy  | tic vegetation   | and       |
| Sandy Mucky Mineral (S1)   | —— Depleted   | Dark Surfac  | ce (F7)  |                                 |                     | wetlar  | nd hydrology   | must be pres   | ent,      |
| 5 cm Mucky Peat or Peat (S3)   | Redox De  | epressions (   | F8)  |                                 |                     | unles   | s disturbed or   | problematic.   |           |
| Type: Depth (inches): emarks:  | dicator Depleted Matrix   | (F3) is satis  | sfied.   |                                 | Hydric So           | il Present  | ?  | Yes X  | No        |
| Type: Depth (inches): emarks:  | dicator Depleted Matrix   | (F3) is satis  | sfied.   |                                 | Hydric So           | il Present  | ?  | Yes X  | No_       |
| Type:  Depth (inches):  emarks: ydric soils are present. Hydric soil ind   | dicator Depleted Matrix   | (F3) is satis  | sfied.   |                                 | Hydric So           | il Present  | ?  | Yes X  | No_       |
| Type: Depth (inches): emarks: ydric soils are present. Hydric soil inc   | dicator Depleted Matrix   | (F3) is satis  | sfied.   |                                 | Hydric So           | il Present  | ?  | Yes X  | No _      |
| Type: Depth (inches): emarks: ydric soils are present. Hydric soil inc   |   |  | sfied.   |                                 | Hydric So           |   |  | Yes X  | 330       |
| Type: Depth (inches): emarks: ydric soils are present. Hydric soil inc  YDROLOGY /etland Hydrology Indicators: rimary Indicators (minimum of one is  | required; check all that  |  | No. 07998  |                                 | Hydric So           | Secondar  |  | minimum of tv  | 330       |
| Type: Depth (inches): emarks: ydric soils are present. Hydric soil inco  YDROLOGY //etland Hydrology Indicators: rimary Indicators (minimum of one is to Surface Water (A1)  | required: check all that  | apply)   | es (B9)  |                                 | Hydric So           | Secondar<br>Surfac  | / Indicators (i  | minimum of to  | 330       |
| Type: Depth (inches): emarks: ydric soils are present. Hydric soil inco  YDROLOGY  // Jetland Hydrology Indicators: rimary Indicators (minimum of one is incompleted)  | required: check all that  Water-Ste Aquatic F True Aqua   | apply)<br>ained Leave<br>auna (B13)<br>atic Plants (   | es (B9)  |                                 | Hydric So           | Secondar<br>Surfac  | / Indicators (r<br>ce Soil Crack<br>age Patterns<br>eason Water  | minimum of to<br>s (B6)<br>(B10)<br>Table (C2)   | 330       |
| Type: Depth (inches): emarks: ydric soils are present. Hydric soil inco  YDROLOGY  //etland Hydrology Indicators: rimary Indicators (minimum of one is incompleted by the completed by the comple | required: check all that  Water-Ste Aquatic F True Aque Hydrogen  | apply)<br>ained Leave<br>auna (B13)<br>atic Plants (<br>Sulfide Odd  | es (B9)<br>(B14)<br>lor (C1)   |                                 |                     | Secondar<br>Surfac<br>Drain:<br>Dry-S<br>Crayfi           | / Indicators (if<br>ce Soil Crack<br>age Patterns<br>eason Water<br>sh Burrows (i  | minimum of tv<br>s (B6)<br>(B10)<br>Table (C2)<br>C8)  | wo requ   |
| Type: Depth (inches): emarks: ydric soils are present. Hydric soil incomplete in the soil i | required: check all that  Water-Sta  Aquatic F  True Aqua  Hydrogen  Oxidized   | apply)<br>ained Leave<br>auna (B13)<br>atic Plants (<br>Sulfide Odd<br>Rhizosphere   | es (B9)<br>(B14)<br>or (C1)<br>es on l   | iving R                         |                     | Secondar<br>Surfac<br>Draini<br>Dry-S<br>Crayfi<br>Satura | / Indicators (i<br>ce Soil Crack<br>age Patterns<br>eason Water<br>sh Burrows (i<br>ation Visible (  | minimum of to<br>s (B6)<br>(B10)<br>Table (C2)<br>C8)<br>on Aerial Imag                                    | wo requ   |
| Type: Depth (inches): emarks: ydric soils are present. Hydric soil incomplete in the soil i | required: check all that  Water-Sta  Aquatic F  True Aqua  Hydrogen  Oxidized  Presence   | apply)<br>ained Leave<br>auna (B13)<br>atic Plants (<br>Sulfide Ode<br>Rhizosphere<br>of Reduced                                   | es (B9)<br>(B14)<br>or (C1)<br>es on l<br>d Iron (                             | ∟iving Ro<br>C4)                | oots (C3)           | Secondar<br>Surfar<br>Drain:<br>Dry-S<br>Crayfi<br>Saturi | / Indicators (if<br>ce Soil Crack<br>age Patterns<br>eason Water<br>sh Burrows (if<br>ation Visible of<br>ed or Stresse  | minimum of to<br>s (B6)<br>(B10)<br>Table (C2)<br>C8)<br>on Aerial Imag<br>d Plants (D1)                   | wo requ   |
| Type: Depth (inches): emarks: ydric soils are present. Hydric soil incomplete in the soil i | required: check all that Water-Sta Aquatic F True Aqu- Hydrogen Oxidized Presence Recent Ira  | apply) ained Leave auna (B13) atic Plants ( Sulfide Ode Rhizosphere of Reduced   | es (B9) (B14) or (C1) es on L d Iron (on in Ti                                 | ∟iving Ro<br>C4)                | oots (C3)           | Secondar Surfac Drain: Dry-S Crayfi Saturt X Geom         | / Indicators (if<br>ce Soil Crack<br>age Patterns<br>eason Water<br>sh Burrows (i<br>ation Visible of<br>ed or Stresse<br>orphic Positi                                    | minimum of to<br>s (B6)<br>(B10)<br>Table (C2)<br>C8)<br>on Aerial Imag<br>d Plants (D1)<br>on (D2)        | wo requ   |
| Type: Depth (inches): emarks: ydric soils are present. Hydric soil incomplete in the soil i | required; check all that Water-Sta Aquatic F True Aqua Hydrogen Oxidized Presence Recent Ira  | apply) ained Leave auna (B13) atic Plants ( Sulfide Ode Rhizosphere of Reduced on Reduction  | es (B9)<br>(B14)<br>or (C1)<br>es on L<br>d Iron (<br>on in Ti                 | ∟iving Ro<br>C4)                | oots (C3)           | Secondar Surfac Drain: Dry-S Crayfi Saturt X Geom         | / Indicators (if<br>ce Soil Crack<br>age Patterns<br>eason Water<br>sh Burrows (if<br>ation Visible of<br>ed or Stresse  | minimum of to<br>s (B6)<br>(B10)<br>Table (C2)<br>C8)<br>on Aerial Imag<br>d Plants (D1)<br>on (D2)        | wo requ   |
| Type: Depth (inches): emarks: ydric soils are present. Hydric soil incomplete | required; check all that  Water-Sta Aquatic F True Aqua Hydrogen Oxidized Presence Recent Iru Thin Mucl                                   | apply) ained Leave auna (B13) atic Plants ( Sulfide Ode Rhizosphere of Reduced on Reduction k Surface (C                           | es (B9)<br>(B14)<br>dor (C1)<br>es on I<br>d Iron (<br>on in Ti<br>C7)<br>(D9) | ∟iving Ro<br>C4)                | oots (C3)           | Secondar Surfac Drain: Dry-S Crayfi Saturt X Geom         | / Indicators (if<br>ce Soil Crack<br>age Patterns<br>eason Water<br>sh Burrows (i<br>ation Visible of<br>ed or Stresse<br>orphic Positi                                    | minimum of to<br>s (B6)<br>(B10)<br>Table (C2)<br>C8)<br>on Aerial Imag<br>d Plants (D1)<br>on (D2)        | wo requ   |
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| Type: Depth (inches): emarks: ydric soils are present. Hydric soil incomplete | required: check all that  Water-Sta Aquatic F True Aqua Hydrogen Oxidized Presence Recent Ind Thin Mucl y (B7) Gauge or ce (B8) Other (Ex | apply) ained Leave auna (B13) atic Plants ( Sulfide Ode Rhizosphere of Reduced on Reduction k Surface (C Well Data ( plain in Ren  | (B14)<br>(B14)<br>or (C1)<br>es on I<br>d Iron (Ti<br>(C27)<br>(D9)<br>marks)  | Living Ro<br>C4)<br>Iled Soil   | oots (C3)           | Secondar Surfac Drain: Dry-S Crayfi Saturt X Geom         | / Indicators (if<br>ce Soil Crack<br>age Patterns<br>eason Water<br>sh Burrows (i<br>ation Visible of<br>ed or Stresse<br>orphic Positi                                    | minimum of to<br>s (B6)<br>(B10)<br>Table (C2)<br>C8)<br>on Aerial Imag<br>d Plants (D1)<br>on (D2)        | wo requ   |
| Type: Depth (inches): emarks: ydric soils are present. Hydric soil incomplete in the present in  | required: check all that  Water-Sta Aquatic F True Aqua Hydrogen Oxidized Presence Recent Ind Thin Mucl y (B7) Gauge or ce (B8) Other (Ex | apply) ained Leave auna (B13) atic Plants ( Sulfide Ode Rhizosphere of Reduceto or Reductio k Surface (C Well Data ( plain in Ren  | (B14) or (C1) es on I d Iron ( D7) (D9) marks)                                 | Living Ro<br>C4)<br>Iled Soil:  | oots (C3)           | Secondar Surfac Drain: Dry-S Crayfi Saturt X Geom         | / Indicators (if<br>ce Soil Crack<br>age Patterns<br>eason Water<br>sh Burrows (i<br>ation Visible of<br>ed or Stresse<br>orphic Positi                                    | minimum of to<br>s (B6)<br>(B10)<br>Table (C2)<br>C8)<br>on Aerial Imag<br>d Plants (D1)<br>on (D2)        | wo requ   |
| Type: Depth (inches):  emarks: ydric soils are present. Hydric soil incomplete in the position of the property | required: check all that  Water-Ste Aquatic F True Aqui Hydrogen Oxidized Presence Recent Int Thin Mucl y (B7) Gauge or ce (B8) Other (Ex | apply) ained Leave auna (B13) atic Plants ( Sulfide Ode Rhizosphere of Reduceto k Surface (C Well Data ( plain in Ren Depth (incl  | es (B9) (B14) or (C1) es on I d Iron ( con in Ti C7) (D9) marks) hes): _       | Living Ro<br>C4)<br>Illed Soil: | oots (C3)<br>s (C6) | Secondar Surfac Drain: Dry-S Crayfi Satura X Geom X FAC-I | y Indicators (rece Soil Crack<br>age Patterns<br>eason Water<br>sh Burrows (received to the state<br>ation Visible (received or Stresse<br>orphic Positi<br>Neutral Test ( | minimum of to<br>s (B6)<br>(B10)<br>Table (C2)<br>C8)<br>on Aerial Imag<br>d Plants (D1)<br>on (D2)<br>D5) | evo requ  |
| Depth (inches):  emarks: ydric soils are present. Hydric soil incomplete in the present in the p | required: check all that  Water-Ste Aquatic F True Aqui Hydrogen Oxidized Presence Recent Int Thin Mucl y (B7) Gauge or ce (B8) Other (Ex | apply) ained Leave auna (B13) atic Plants ( Sulfide Ode Rhizosphere of Reduceto or Reductio k Surface (C Well Data ( plain in Ren  | es (B9) (B14) or (C1) es on I d Iron ( con in Ti C7) (D9) marks) hes): _       | Living Ro<br>C4)<br>Iled Soil:  | oots (C3)<br>s (C6) | Secondar Surfac Drain: Dry-S Crayfi Satura X Geom X FAC-I | / Indicators (if<br>ce Soil Crack<br>age Patterns<br>eason Water<br>sh Burrows (i<br>ation Visible of<br>ed or Stresse<br>orphic Positi                                    | minimum of to<br>s (B6)<br>(B10)<br>Table (C2)<br>C8)<br>on Aerial Imag<br>d Plants (D1)<br>on (D2)        | wo requ   |
| Type: Depth (inches): emarks: ydric soils are present. Hydric soil incomplete in the present in  | required: check all that  Water-Sta Aquatic F True Aqua Hydrogen Oxidized Presence Recent In Thin Mucl y (B7) Gauge or ce (B8) Other (Ex  | apply) ained Leave auna (B13) atic Plants ( Sulfide Ode Rhizosphere of Reduceto k Surface (C Well Data ( plain in Ren  Depth (incl | (B14) (B14) or (C1) es on I d Iron ( on in Ti (D9) marks) hes): hes):          | Living Ro<br>C4)<br>Illed Soil: | oots (C3)<br>s (C6) | Secondar Surfar Drain: Dry-S Crayfi Saturi X Geom X FAC-I | y Indicators (rece Soil Crack<br>age Patterns<br>eason Water<br>sh Burrows (received to the state<br>ation Visible (received or Stresse<br>orphic Positi<br>Neutral Test ( | minimum of to<br>s (B6)<br>(B10)<br>Table (C2)<br>C8)<br>on Aerial Imag<br>d Plants (D1)<br>on (D2)<br>D5) | vo reau   |
| Type: Depth (inches): emarks: ydric soils are present. Hydric soil incomplete in the position of the property  | required: check all that  Water-Sta Aquatic F True Aqua Hydrogen Oxidized Presence Recent In Thin Mucl y (B7) Gauge or ce (B8) Other (Ex  | apply) ained Leave auna (B13) atic Plants ( Sulfide Ode Rhizosphere of Reduceto k Surface (C Well Data ( plain in Ren  Depth (incl | (B14) (B14) or (C1) es on I d Iron ( on in Ti (D9) marks) hes): hes):          | Living Ro<br>C4)<br>Illed Soil: | oots (C3)<br>s (C6) | Secondar Surfar Drain: Dry-S Crayfi Saturi X Geom X FAC-I | y Indicators (rece Soil Crack<br>age Patterns<br>eason Water<br>sh Burrows (received to the state<br>ation Visible (received or Stresse<br>orphic Positi<br>Neutral Test ( | minimum of to<br>s (B6)<br>(B10)<br>Table (C2)<br>C8)<br>on Aerial Imag<br>d Plants (D1)<br>on (D2)<br>D5) | evo requ  |

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APPENDIX L L-224 NOVEMBER 2022

| U.S. Army Corps of WETLAND DETERMINATION DATA  | SHEET - N       |               | 17.5                                       | Requirement Control Symbol<br>EXEMPT  |
|--|-----------------|---------------|--|---|
| See ERDC/EL TR-07-24; the propone  | ent agency i    | s CECW-0      | CO-R                                       | (Authority: AR 335-15, paragraph 5-2a)  |
| Project/Site: Chicago O'Hare International Airport (OR   | D)              | City/Cour     | nty: Chicago/                              | Cook Sampling Date: 9/17/2019   |
| Applicant/Owner: City of Chicago   |                 | _             |  | State: IL Sampling Point: NW39 WET  |
| Investigator(s): Brauna Hartzell, Conor Makepeace, Me  | ad & Hunt. Inc  | c. Section. T | ownship, Ran                               | ge: Section 25, T41N, R11E  |
| Landform (hillside, terrace, etc.): shallow basin  | ,               |               |  | oncave, convex, none): flat   |
| Slope (%): <1% Lat: 42.01085647  |                 |               | 87.92253271                                |   |
| Soil Map Unit Name: 805A - Orthents, clayey, nearly le   | avel (Predomir  |               |  | NWI classification: PSS   |
| · · · · · · · · · · · · · · · · · · ·  |                 |               |  |   |
| Are climatic / hydrologic conditions on the site typical f   |                 | 0=0.0000000   | Yes  | No X (If no, explain in Remarks.)   |
| Are Vegetation, Soil, or Hydrology   |                 |               |  |   |
| Are Vegetation, Soil, or Hydrology   | naturally probl | ematic? (     | f needed, exp                              | lain any answers in Remarks.)   |
| SUMMARY OF FINDINGS – Attach site m  | ap showing      | g samplin     | g point loc                                | cations, transects, important features, etc.  |
| Wetland Hydrology Present? Yes X N  Remarks: Climatic/hydrologic conditions are not typical due to a | <u> </u>        | withir        | Sampled Are n a Wetland? of rainfall durin | Yes X No  |
| the north. <b>VEGETATION</b> – Use scientific names of pla   | ants.           |               |  |   |
|  | Absolute        | Dominant      | Indicator                                  |   |
| Tree Stratum (Plot size:)  | % Cover         | Species?      | Status                                     | Dominance Test worksheet:   |
| 1  | : <del>-</del>  |               |  | Number of Dominant Species That   |
| 2  | -               |               | ——   | Are OBL, FACW, or FAC: 3 (A)  |
| 4.   | : <del></del>   |               |  | Total Number of Dominant Species Across All Strata: 3 (B)   |
| 5.   |                 |               |  | Percent of Dominant Species That  |
| -  | ====            | Total Cover   |  | Are OBL, FACW, or FAC: 100.0% (A/B)   |
| Sapling/Shrub Stratum (Plot size: 15ft   | )               |               |  |   |
| Rhamnus cathartica   | 80              | Yes           | FAC  | Prevalence Index worksheet:   |
| 2  |                 |               |  | Total % Cover of: Multiply by:  |
| 3  |                 |               |  | OBL species35 x 1 =35   |
| 4  |                 |               |  | FACW species 55 x 2 = 110   |
| 5  |                 |               |  | FAC species 80 x 3 = 240  |
| Harb Stratum (Diet size: 5#  | =               | Total Cover   |  | FACU species 0 x 4 = 0<br>UPL species 0 x 5 = 0   |
| Herb Stratum (Plot size: 5ft )   1. Lythrum salicaria  | 30              | Yes           | OBL  | UPL species 0 x 5 = 0  Column Totals: 170 (A) 385 (B)   |
| Phragmites australis   | 25              | Yes           | FACW                                       | Prevalence Index = B/A = 2.26   |
| 3. Fraxinus pennsylvanica  | 15              | No            | FACW                                       | Trovalence mack En (  |
| 4. Geum aleppicum  | 8               | No            | FACW                                       | Hydrophytic Vegetation Indicators:  |
| 5. Solidago sempervirens   | 5               | No            | FACW                                       | 1 - Rapid Test for Hydrophytic Vegetation   |
| 6. Lycopus americanus  | 5               | No            | OBL  | X 2 - Dominance Test is >50%  |
| 7. Euthamia graminifolia   | 2               | No            | FACW                                       | X 3 - Prevalence Index is ≤3.01   |
| 8  |                 |               |  | 4 - Morphological Adaptations (Provide supporting   |
| 9  | -               |               |  | data in Remarks or on a separate sheet)   |
| 10   |                 |               | ——   | Problematic Hydrophytic Vegetation (Explain)  |
| Woody Vine Stratum (Plot size:   | 90 =            | Total Cover   |  | <sup>1</sup> Indicators of hydric soil and wetland hydrology must<br>be present, unless disturbed or problematic. |
| 1.   | <del></del>     |               |  | Hydrophytic   |
| 2  | -               | Total Cause   | —— I                                       | Vegetation  |
|  |                 | Total Cover   |  | Present? Yes X No No  |
| Remarks: (Include photo numbers here or on a sepa<br>Community Type: wet shrubland HGM Type: depre   |                 | phytic vegeta | ation is presen                            | nt. Approx 25ft from paired point, little elevation change.   |

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|   | none-cracinos reproduction orders to   | to the dep                            |   |   |   | ator or o                           | confirm the absence  | of indicators.)   |          |
|---|--|---------------------------------------|---|---|---|-------------------------------------|--|---|----------|
| Depth   | Matrix   | 700                                   | CONT. INC. 1990. UP 1990.   | x Featur  | - 1   | . 2                                 |  |   |          |
| (inches)  | Color (moist)  | %                                     | Color (moist)   | %   | Type  | Loc                                 | Texture  | Remarks   |          |
| 0-3   | 7.5YR 3/1  | 100                                   |   |   |   |                                     | Loamy/Clayey   | clay loam   |          |
| 3-8   | 10YR 4/1   | 100                                   |   |   |   |                                     | Loamy/Clayey   | clay loam   |          |
| 8-16  | 10YR 5/1   | 90                                    | 10YR 5/6  | 10  | С   | M                                   |  | Prominent redox concer  | ntration |
|   |  | $\equiv$                              |   | _   |   |                                     |  |   |          |
| Type: C=C   | oncentration, D=Dep  | letion, RM                            | =Reduced Matrix,  | <br>MS=Mas  | ked San   | Grains                              | 2Location  | : PL=Pore Lining, M=Matrix  | N<br>Wo  |
| 1.5.0   | Indicators:  |                                       | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,   |   |   |                                     |  | rs for Problematic Hydric \$  |          |
| Histosol  |  |                                       | Sandy Gle   | eved Mat  | rix (S4)  |                                     |  | st Prairie Redox (A16)  |          |
|   | pipedon (A2)   |                                       | Sandy Re  | S management  |   |                                     | ——·,   | Manganese Masses (F12)  |          |
| Black H   | istic (A3)   |                                       | Stripped M  | /atrix (Si  | 5)  |                                     | Red  | Parent Material (F21)   |          |
|   | en Sulfide (A4)  |                                       | Dark Surfa  |   |   |                                     |  | Shallow Dark Surface (F22)  |          |
|   | d Layers (A5)  |                                       | Loamy Mu  |   | eral (F1)   |                                     | The second secon | r (Explain in Remarks)  |          |
| _   | uck (A10)  |                                       | Loamy Gl  |   |   |                                     |  | a (5)   |          |
|   | d Below Dark Surface   | e (A11)                               | X Depleted  |   |   |                                     |  |   |          |
|   | ark Surface (A12)  |                                       | Redox Da  |   |   |                                     | 3Indicato  | rs of hydrophytic vegetation  | and      |
| _   | Mucky Mineral (S1)   |                                       | ——<br>Depleted  |   | 0 5   | )                                   |  | and hydrology must be prese   |          |
|   | ucky Peat or Peat (S3  | 3)                                    | Redox De  |   |   |                                     |  | ss disturbed or problematic.  | 31       |
| Restrictive   | Layer (if observed):   |                                       |   |   |   |                                     |  |   |          |
|   |  |                                       |   |   |   |                                     |  |   |          |
| Type:   |  |                                       |   |   |   |                                     |  |   |          |
| Depth (i<br>Remarks:  | nches):are present. Hydric s   | soils indica                          | ator Depleted Matri:  | x (F3) is   | satisfied   |                                     | Hydric Soil Presen   | t? Yes <u>X</u>   | No_      |
| Depth (i<br>Remarks:  |  | soils indica                          | ator Depleted Matri   | x (F3) is   | satisfied   |                                     | Hydric Soil Presen   | 1? Yes <u>X</u>   | No_      |
| Depth (i<br>Remarks:<br>Hydric soils  | are present. Hydric s  | soils indica                          | ator Depleted Matri   | x (F3) is   | satisfied   |                                     | Hydric Soil Presen   | 1? Yes <u>X</u>   | No_      |
| Depth (i<br>Remarks:<br>Hydric soils<br>HYDROLO<br>Wetland Hy   | are present. Hydric s  |                                       |   |   | satisfied   |                                     |  | _   | \$200 J  |
| Depth (i<br>Remarks:<br>Hydric soils<br>HYDROLO<br>Wetland Hy<br>Primary Indi   | are present. Hydric s  OGY  drology Indicators: cators (minimum of c   |                                       | iired: check all that   | apply)  |   |                                     | <u>Seconda</u>   | ry Indicators (minimum of tw  | \$200 J  |
| Depth (i<br>Remarks:<br>Hydric soils<br>HYDROLO<br>Wetland Hy<br>Primary Indi<br>Surface  | are present. Hydric s  OGY  drology Indicators: cators (minimum of c  Water (A1)   |                                       | ired; check all that<br>Water-Sta   | apply)  | ves (B9)  |                                     | Seconda<br>Surfa   | ry Indicators (minimum of tw<br>ace Soil Cracks (B6)  | \$200 J  |
| Depth (i Remarks: Hydric soils HYDROLO Wetland Hy Primary Indi Surface High Wa  | are present. Hydric s  OGY  drology Indicators: cators (minimum of c Water (A1) ater Table (A2)  |                                       | iired: check all that<br>Water-Sta<br>Aquatic Fi  | apply)<br>ined Lea<br>auna (B1  | ves (B9)  |                                     | Seconda<br>Surfa<br>Drair  | ry Indicators (minimum of tw<br>ace Soil Cracks (B6)<br>nage Patterns (B10)   | \$200 J  |
| Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Indi Surface High Wa X Saturation  | are present. Hydric s  OGY  rdrology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3)   |                                       | i <u>ired: check all that</u><br>Water-Sta<br>Aquatic Fi<br>True Aqua   | apply)<br>iined Lea<br>auna (B1<br>atic Plant   | ives (B9)<br>3)<br>s (B14)  |                                     | Seconda<br>Surfa<br>Drair<br>Dry-:   | ry Indicators (minimum of tw<br>ace Soil Cracks (B6)<br>nage Patterns (B10)<br>Season Water Table (C2)  | \$200 J  |
| Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Indi Surface High Wa X Saturati Water M  | are present. Hydric society and present are present. Hydric society and present are present are present and present are present as a present as a present are present as a present are present as a present as a present are present as a present are present as a present as a present are present as a present are present as a present as a present are present as a present are present as a present are present as a present as |                                       | iired: check all thatWater-Sta<br>Aquatic Fi<br>True Aqua<br>Hydrogen   | apply)<br>iined Lea<br>auna (B1<br>atic Plant<br>Sulfide (  | ves (B9)<br>3)<br>s (B14)<br>Odor (C1   | )                                   | Seconda Surfe Drair Dry-: X Cray   | ry Indicators (minimum of tw<br>ace Soil Cracks (B6)<br>nage Patterns (B10)<br>Season Water Table (C2)<br>fish Burrows (C8)   | o requi  |
| Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Indi Surface High Wa X Saturati Water M Sedimei  | are present. Hydric s  OGY  drology Indicators: cators (minimum of   |                                       | iired; check all that  Water-Sta  Aquatic Fi  True Aqua Hydrogen Oxidized I   | apply)<br>iined Lea<br>auna (B1<br>atic Plant<br>Sulfide (<br>Rhizosph  | ves (B9)<br>3)<br>s (B14)<br>Odor (C1<br>eres on  | )<br>Living R                       | Seconda Surfa Drair Dry- X Cray oots (C3) Satu   | ry Indicators (minimum of tw<br>ace Soil Cracks (B6)<br>nage Patterns (B10)<br>Season Water Table (C2)<br>fish Burrows (C8)<br>ration Visible on Aerial Imag  | o requi  |
| Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Indi Surface High Wa X Saturati Water M Sedimer Drift Dep  | are present. Hydric s  OGY  'drology Indicators: cators (minimum of c  Water (A1) ater Table (A2) on (A3) farks (B1) nt Deposits (B2) posits (B3)  |                                       | iired: check all that  Water-Ste  Aquatic F:  True Aqua  Hydrogen  Oxidized I   | apply)<br>ined Lea<br>auna (B1<br>atic Plant<br>Sulfide (<br>Rhizosph<br>of Redu                                  | oves (B9)<br>3)<br>s (B14)<br>Odor (C1<br>eres on<br>ced Iron                                     | )<br>Living R<br>(C4)               | Seconda  | ry Indicators (minimum of tw<br>ace Soil Cracks (B6)<br>nage Patterns (B10)<br>Season Water Table (C2)<br>fish Burrows (C8)<br>ration Visible on Aerial Imag<br>ted or Stressed Plants (D1)                       | o requi  |
| Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Indi Surface High Water M Sedimer Drift Dep  | are present. Hydric s  OGY  Indrology Indicators: cators (minimum of   |                                       | ired: check all that  Water-Sta  Aquatic F:  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iro  | apply)  inned Lea  auna (B1  atic Plant  Sulfide (  Rhizosph  of Reduon Reduon                                    | oves (B9)<br>3)<br>s (B14)<br>Odor (C1<br>eres on<br>ced Iron o                                   | )<br>Living R<br>(C4)               | Seconda  | ry Indicators (minimum of twace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imageted or Stressed Plants (D1) morphic Position (D2)                    | o requi  |
| Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Indi Surface High Water M Sedimer Drift Dep Algal Ma Iron Dep  | are present. Hydric s  OGY  Indrology Indicators: cators (minimum of   | one is requ                           | ired: check all that  Water-Sta  Aquatic F:  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iro  Thin Muck                               | apply) ined Lea auna (B1 attic Plant Sulfide ( Rhizosph of Reduce C Surface C Surface                             | oves (B9)<br>3)<br>s (B14)<br>Odor (C1<br>eres on<br>ced Iron<br>cettion in Ti                    | )<br>Living R<br>(C4)               | Seconda  | ry Indicators (minimum of tw<br>ace Soil Cracks (B6)<br>nage Patterns (B10)<br>Season Water Table (C2)<br>fish Burrows (C8)<br>ration Visible on Aerial Imag<br>ted or Stressed Plants (D1)                       | o requi  |
| Depth (i Remarks: Hydric soils  IYDROLC Wetland Hy Primary Indi Surface High Wa X Saturati Water M Sedimel Drift Dep Algal Ma Iron Dep Inundati   | are present. Hydric s  OGY  Indrology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) farks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial II   | one is requ                           | ired; check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iro  Thin Muck  7)  Gauge or                 | apply) ined Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduon Reduc surface Well Dat                           | oves (B9)<br>3)<br>s (B14)<br>Ddor (C1<br>eres on<br>ced Iron<br>ettion in Ti<br>e (C7)<br>a (D9) | )<br>Living R<br>(C4)               | Seconda  | ry Indicators (minimum of twace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imageted or Stressed Plants (D1) morphic Position (D2)                    | o requi  |
| Depth (i Remarks: Hydric soils  IYDROLO Wetland Hy Primary Indi Surface High Wa X Saturati Water M Sedimer Drift Der Algal Ma Iron Der Inundati Sparsel   | are present. Hydric s  OGY  Idrology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) farks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial It y Vegetated Concave  | one is requ                           | ired; check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iro  Thin Muck  7)  Gauge or                 | apply) ined Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduon Reduc surface Well Dat                           | oves (B9)<br>3)<br>s (B14)<br>Ddor (C1<br>eres on<br>ced Iron<br>ettion in Ti<br>e (C7)<br>a (D9) | )<br>Living R<br>(C4)               | Seconda  | ry Indicators (minimum of twace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imageted or Stressed Plants (D1) morphic Position (D2)                    | o requi  |
| Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Indi Surface High Wa X Saturati Water N Sedimer Drift Dep Algal Ma Iron Dep Inundati Sparsely  | are present. Hydric s  OGY  Indrology Indicators: cators (minimum of   | one is requ<br>magery (B<br>Surface ( | ired: check all that  Water-Sta  Aquatic F:  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iro  Thin Muck  7)  Gauge or  B8)  Other (Ex | apply)  ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc on Reduc ( Surface Well Dat plain in F          | oves (B9) 3) s (B14) Ddor (C1 eres on ced Iron ction in Ti c(C7) a (D9) Remarks)                  | )<br>Living R<br>(C4)               | Seconda  | ry Indicators (minimum of twace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imageted or Stressed Plants (D1) morphic Position (D2)                    | o requi  |
| Depth (i Remarks: Hydric soils  Hydric soils  Wetland Hy Primary Indi Surface High Water N Sedimer Drift Dep Algal Materian Iron Dep Inundati Sparsely Field Obser Surface Wa   | are present. Hydric solutions: cators (minimum of of water (A1) ater Table (A2) on (A3) darks (B1) at Deposits (B3) at or Crust (B4) cosits (B5) on Visible on Aerial II y Vegetated Concave vations: ter Present? Ye  | one is requ<br>magery (B<br>Surface ( | ired; check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iro  Thin Muck  7)  Gauge or                 | apply) ined Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduon Reduc surface Well Dat                           | oves (B9) 3) s (B14) Ddor (C1 eres on ced Iron tition in Ti e (C7) a (D9) Remarks)                | )<br>Living R<br>(C4)               | Seconda  | ry Indicators (minimum of twace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imageted or Stressed Plants (D1) morphic Position (D2)                    | o requi  |
| Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Indi Surface High Wa X Saturati Water N Sedimer Drift Dep Algal Ma Iron Dep Inundati Sparsely  | are present. Hydric solutions: cators (minimum of or water (A1) ater Table (A2) on (A3) farks (B1) at Deposits (B2) cosits (B3) at or Crust (B4) cosits (B5) on Visible on Aerial It y Vegetated Concave rvations: ter Present? Ye Present? Ye   | magery (B<br>Surface (                | ired: check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Ird  Thin Much  7)  Gauge or  B8)  Other (Ex | apply) ined Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc surface Well Dat plain in F                       | oves (B9) 3) s (B14) Ddor (C1 eres on ced Iron tition in Ti e (C7) a (D9) Remarks)                | )<br>Living R<br>(C4)<br>Iled Soil  | Seconda  | ry Indicators (minimum of twace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imag ted or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5) | o requ   |
| Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Indi Surface High Wa X Saturati Water M Sedimel Drift Dep Inundati Sparsely Field Obset Surface Wa Water Table Saturation F                                    | are present. Hydric solutions: cators (minimum of or water (A1) ater Table (A2) on (A3) farks (B1) at Deposits (B2) cosits (B3) at or Crust (B4) cosits (B5) on Visible on Aerial It y Vegetated Concave rvations: ter Present? Ye Present? Ye   | magery (B<br>s Surface (              | ired: check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Ird  Thin Muck  7) Gauge or  Other (Ex       | apply) ined Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc surface Well Dat plain in F                       | oves (B9) 3) s (B14) Ddor (C1 eres on ced Iron (C7) a (D9) Remarks) nches): _nches):              | )<br>Living R<br>(C4)<br>Iled Soil  | Seconda  | ry Indicators (minimum of twace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imag ted or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5) | o reau   |
| Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Indi Surface High Wa X Saturati Water M Sedimer Drift Dep Algal Ma Iron Depti Inon Depti Sparsely Field Obser Surface Wa Water Table Saturation F (includes ca | are present. Hydric solutions: cators (minimum of or water (A1) ater Table (A2) on (A3) farks (B1) at Deposits (B2) cosits (B3) at or Crust (B4) cosits (B5) on Visible on Aerial It y Vegetated Concave rvations: ter Present? Ye e Present? Ye eresent? Ye   | magery (B<br>Surface (<br>s<br>s<br>x | ired: check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iron  Thin Muck  7) Gauge or  B8) Other (Ex  | apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc c Surface Well Dat plain in F  Depth (i Depth (i | oves (B9) 3) s (B14) Ddor (C1 eres on ced from the (C7) a (D9) Remarks) nches): nches):           | )<br>Living R<br>(C4)<br>Illed Soil | Seconda Surfa Drair Dry-i X Cray oots (C3) Satu Stun S (C6) Geol X FAC   | ry Indicators (minimum of twace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imag ted or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5) | o reau   |
| Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Indi Surface High Wa X Saturati Water M Sedimer Drift Dep Algal Ma Iron Depti Inon Depti Sparsely Field Obser Surface Wa Water Table Saturation F (includes ca | are present. Hydric solutions: cators (minimum of or complete (A2) on (A3) darks (B1) at Present (B4) posits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial It y Vegetated Concave rvations: ter Present? Ye present  | magery (B<br>Surface (<br>s<br>s<br>x | ired: check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iron  Thin Muck  7) Gauge or  B8) Other (Ex  | apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc c Surface Well Dat plain in F  Depth (i Depth (i | oves (B9) 3) s (B14) Ddor (C1 eres on ced from the (C7) a (D9) Remarks) nches): nches):           | )<br>Living R<br>(C4)<br>Illed Soil | Seconda Surfa Drair Dry-i X Cray oots (C3) Satu Stun S (C6) Geol X FAC   | ry Indicators (minimum of twace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imag ted or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5) | o reau   |

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APPENDIX L L-226 NOVEMBER 2022

| U.S. Army Corps of WETLAND DETERMINATION DATA  |                     |   | Region              | Requir                            | ement Co<br>EXEM                |                         | ibol          |
|--|---------------------|---|---------------------|-----------------------------------|---------------------------------|-------------------------|---------------|
| See ERDC/EL TR-07-24; the propone  | ent agency          | is CECW   | -CO-R               | (Authority:                       | AR 335-15                       | 5, paragra              | ph 5-2a)      |
| Desire to Otto - | D)                  | 0:1-:0-   | OL:                 |                                   |                                 |                         |               |
| Project/Site: Chicago O'Hare International Airport (OR   | ט)                  | City/Co   | unty: Chicago       |                                   |                                 | oling Date:             |               |
| Applicant/Owner: City of Chicago   | V                   | 0 "   |                     | State: IL                         |                                 | oling Point:            | SE19-46 UPL   |
| Investigator(s): Brauna Hartzell, Conor Makepeace, Kim Shannon   | 10                  |   |                     |                                   |                                 |                         |               |
|  |                     |   |                     | oncave, convex, no                |                                 |                         |               |
| Slope (%): <1% Lat: 41.95265727  | 10 Ad 10 10         |   |                     | 9999C00000                        |                                 |                         |               |
| Soil Map Unit Name: 805A - Orthents, clayey, nearly I  |                     |   |                     |                                   |                                 |                         |               |
| Are climatic / hydrologic conditions on the site typical   |                     | CONTRACTOR OF THE PROPERTY OF | Yes X               | No (If no                         |                                 |                         |               |
| Are Vegetation X , Soil , or Hydrology   |                     |   |                     |                                   |                                 |                         |               |
| Are Vegetation, Soil, or Hydrology   | naturally pro       | blematic?   | (If needed, exp     | lain any answers i                | in Remarks.)                    |                         |               |
| SUMMARY OF FINDINGS – Attach site m  | ap showii           | ng sampli   | ng point lo         | cations, transe                   | ects, impo                      | rtant feat              | ures, etc.    |
| Hydrophytic Vegetation Present? Yes N  | o X                 | le th   | e Sampled Are       | 22                                |                                 |                         |               |
|  | 0 X                 |   | in a Wetland?       |                                   | No                              | Х                       |               |
|  | o X                 | MEMORY MATERIAL   |                     | 994464.50                         |                                 |                         |               |
| Remarks:   |                     |   |                     |                                   |                                 |                         |               |
| Area is mown.  |                     |   |                     |                                   |                                 |                         |               |
|  |                     |   |                     |                                   |                                 |                         |               |
| <b>VEGETATION</b> – Use scientific names of plants   |                     |   |                     |                                   |                                 |                         |               |
| <u>Tree Stratum</u> (Plot size: )  | Absolute<br>% Cover | Dominant<br>Species?  | Indicator<br>Status | Dominance Tes                     | t worksheet                     | 1                       |               |
| 1.   |                     |   |                     | Number of Domi                    | nant Species                    | That                    |               |
| 2.   | 1                   |   |                     | Are OBL, FACW                     | , or FAC:                       |                         | 1(A)          |
| 3  |                     |   | ·                   | Total Number of                   |                                 |                         |               |
| 4.   |                     |   | : 10 <del></del>    | Across All Strata                 |                                 |                         | 3 (B)         |
| o  |                     | =Total Cove   |                     | Percent of Domin<br>Are OBL, FACW |                                 |                         | 3% (A/B)      |
| Sapling/Shrub Stratum (Plot size:  |                     | - Total Cove  |                     | AIC OBE, I ACT                    | , or rac.                       |                         | 370 (AB)      |
| 1.   | <i>f</i>            |   |                     | Prevalence Inde                   | ex workshee                     | ıt:                     |               |
| 2.   |                     |   |                     | Total % Cov                       | ver of:                         | Multiply I              | by:           |
| 3.   |                     |   |                     | OBL species _                     | 0                               | x 1 =(                  | )             |
| 4  |                     |   |                     | FACW species_                     | 10000                           | x 2 =8                  |               |
| 5  | -                   | T-1-1-0   |                     | FAC species                       |                                 |                         | 0             |
| Herb Stratum (Plot size: 5ft )   |                     | =Total Cove   |                     | FACU species _<br>UPL species     | 1000                            | x 4 = 22<br>x 5 = 0     | 28            |
| Echinochloa crus-galli   | 40                  | Yes   | FACW                | Column Totals:                    | 17.00                           |                         | 14 (B)        |
| 2. Trifolium repens  | 30                  | Yes   | FACU                | Prevalence In                     |                                 | 3.14                    |               |
| 3. Digitaria sanguinalis   | 20                  | Yes   | FACU                |                                   |                                 |                         |               |
| 4. Taraxacum officinale  | 7                   | No  | FACU                | Hydrophytic Ve                    | getation Ind                    | icators:                |               |
| 5. Solidago sempervirens   | 3                   | No  | _FACW_              | 1 - Rapid Te                      | 150 10                          |                         | tion          |
| 6.   |                     |   |                     | A TALL TO DETERMINED              | ce Test is >5<br>ce Index is ≤: |                         |               |
| 8.   |                     |   |                     |                                   | ce muex is ≤.<br>ogical Adapta  |                         | de supportina |
| 9.   |                     |   |                     |                                   | emarks or on                    |                         | (0.00)        |
| 10.  |                     |   |                     | Problematic                       | Hydrophytic                     | Vegetation <sup>1</sup> | (Explain)     |
|  | 100                 | =Total Cove   |                     | Indicators of hyd                 | (B) 5 E                         | 100                     | 80 85 6       |
| Woody Vine Stratum (Plot size:   | )                   |   |                     | be present, unles                 |                                 |                         |               |
| 1k   | -                   |   |                     | Hydrophytic                       |                                 |                         |               |
| 2  | -                   | T-1-1-0   |                     | Vegetation                        | V                               | M- V                    |               |
|  |                     | =Total Cove   |                     | Present?                          | Yes                             | No X                    |               |
| Remarks: (Include photo numbers here or on a sepa<br>Community Type: developed land HGM Type: N/A Hydi   |                     | ation is not n  | esent Data noi      | nt is 15ft east of we             | tland data noi                  | int: no change          | in elevation  |
| The state of the s | -pilyilo voget      | anon io not pi  | John. Data poli     | Toll dage of we                   | Gala poi                        | , no onange             | orovation.    |

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| \anth   | nonex-contractor Memorials contract to   | to the dep   | oth needed to doc  |   |   | ator or t                     | communitie abser   | ice of maica  | 11015.)  |                      |
|---|--|--|--|---|---|-------------------------------|--|---|--|----------------------|
| Depth   | Matrix   | 0/   | The same and the s | x Featu   |   | Loo <sup>2</sup>              | Tankona  |   | Damaska  |                      |
| nches)  | Color (moist)  | <u>%</u>   | Color (moist)  | %   | Type  | Loc                           | Texture  |   | Remarks  |                      |
| 0-7   | 10YR 3/1   | 100  | moreovatos tomosh  |   | 2000  | -                             | Loamy/Clayey   | 200000  | 2000 AB (1000)   | 90 Aug               |
| 7-16  | 10YR 5/6   | 95   | 10YR 5/3   | . <u></u>   | <u> </u>  | _M_                           | Loamy/Clayey   | Dis   | tinct redox conce  | ntration             |
|   |  | =  |  |   |   |                               |  |   |  |                      |
| Type: C=C   | oncentration, D=Dep  | letion, RM   | =Reduced Matrix,   | MS=Mas  | ked Sand  |                               | s. <sup>2</sup> Loca   | ition: PL=Po  | re Lining, M=Matr  | ix.                  |
| lydric Soil   | Indicators:  |  |  |   |   |                               | Indic  | ators for Pro   | oblematic Hydric   | Soils <sup>3</sup> : |
| Histosol  | (A1)   |  | Sandy Gle  | eyed Mat  | rix (S4)  |                               |  | Coast Prairie   | Redox (A16)  |                      |
| Histic E  | pipedon (A2)   |  | Sandy Re   | dox (S5)  |   |                               | ii   | on-Mangane  | se Masses (F12)  |                      |
| Black H   | istic (A3)   |  | Stripped N   | Matrix (S   | 6)  |                               | F  | Red Parent M  | aterial (F21)  |                      |
| Hydroge   | en Sulfide (A4)  |  | Dark Surf  | ace (S7)  |   |                               |  | ery Shallow   | Dark Surface (F22  | 2)                   |
| Stratifie   | d Layers (A5)  |  | Loamy Mu   | icky Min  | eral (F1)   |                               |  | Other (Explain  | in Remarks)  |                      |
| 2 cm Mu   | uck (A10)  |  | Loamy Gl   | eyed Ma   | trix (F2)   |                               | <del></del>  |   |  |                      |
| Deplete   | d Below Dark Surface   | e (A11)  | Depleted   | Matrix (F   | 3)  |                               |  |   |  |                      |
| Thick Da  | ark Surface (A12)  |  | Redox Da   | rk Surfa  | ce (F6)   |                               | <sup>3</sup> Indic   | ators of hydr   | ophytic vegetation   | and                  |
| Sandy N   | Mucky Mineral (S1)   |  | Depleted   | Dark Sui  | face (F7)   |                               | W  | etland hydro  | logy must be pres  | ent,                 |
| 5 cm Mu   | ucky Peat or Peat (S3  | 3)   | Redox De   | pression  | s (F8)  |                               | ū  | nless disturb   | ed or problematic  | ā.p                  |
| Restrictive   | Layer (if observed):   |  |  |   |   |                               |  |   |  |                      |
| 40.0  |  |  |  |   |   |                               |  |   |  |                      |
| Type:   |  |  |  |   |   |                               |  |   |  |                      |
| Depth (i<br>Remarks:  | nches):are not present. Doe  | s not meel   | t hydric solls criteri   | a.  |   |                               | Hydric Soil Pre  | sent?   | Yes  | No_                  |
| Depth (i<br>Remarks:<br>Hydric soils  | are not present. Doe   | s not meel   | hydric soils criteri   | а.  |   |                               | Hydric Soil Pre  | sent?   | Yes  | No_                  |
| Depth (i<br>Remarks:<br>Hydric soils  | are not present. Doe   |  | t hydric soils criteri   | а.  |   |                               | Hydric Soil Pres   | sent?   | Yes  | No_                  |
| Depth (i<br>Remarks:<br>Hydric soils<br>HYDROLO<br>Wetland Hy   | are not present. Doe   | 000  |  |   |   |                               | •  |   |  |                      |
| Depth (i<br>Remarks:<br>Hydric soils<br>HYDROLO<br>Wetland Hy<br>Primary Indi   | are not present. Doe  OGY  rdrology Indicators: cators (minimum of c   | 000  | ired; check all that   | apply)  | aves (B9)   |                               | Seco   | ndary Indicat   | ors (minimum of t  |                      |
| Depth (i Remarks: Hydric soils HYDROLO Wetland Hy Primary Indi Surface  | are not present. Doe  OGY  rdrology Indicators: cators (minimum of of of the cators) Water (A1)  | 000  | ired; check all that<br>Water-Sta  | apply)<br>ained Lea   |   |                               | <u>Seco</u>  | <u>ndarv Indicat</u><br>surface Soil C  | ors (minimum of t  |                      |
| Depth (i Remarks: Hydric soils HYDROLO Wetland Hy Primary Indi Surface High Wa  | are not present. Doe  OGY  rdrology Indicators: cators (minimum of of Water (A1) ater Table (A2)   | 000  | i <u>red; check all that</u><br>Water-Sta<br>Aquatic F   | apply)<br>ained Lea<br>auna (B1   | 3)  |                               | Seco   | <u>ndarv Indicat</u><br>Surface Soil C<br>Orainage Patt   | ors (minimum of t<br>Cracks (B6)<br>erns (B10)   |                      |
| Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Indi Surface High Wa Saturati  | are not present. Doe  OGY  rdrology Indicators: cators (minimum of of Water (A1) ater Table (A2) on (A3)   | 000  | ired: check all that<br>Water-Ste<br>Aquatic F<br>True Aqua  | apply)<br>ained Lea<br>auna (B1<br>atic Plani   | 3)<br>s (B14)   |                               | Seco   | ndary Indicat<br>Surface Soil C<br>Orainage Patt<br>Ory-Season W  | ors (minimum of t<br>Cracks (B6)<br>erns (B10)<br>Vater Table (C2)   |                      |
| Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Indi Surface High Wa Saturati Water M  | are not present. Doe  OGY  rdrology Indicators: cators (minimum of of Water (A1) ater Table (A2)   | 000  | ired: check all thatWater-SteAquatic FTrue AqueHydrogen  | apply)<br>ained Lea<br>auna (B1<br>atic Plan<br>Sulfide   | 3)<br>s (B14)<br>Odor (C1   |                               | Seco S   | ndary Indicat<br>Surface Soil C<br>Orainage Patt<br>Ory-Season W<br>Crayfish Burro  | ors (minimum of t<br>Cracks (B6)<br>erns (B10)<br>Vater Table (C2)<br>ows (C8)   | wo regu              |
| Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedimei  | are not present. Doe  OGY  rdrology Indicators: cators (minimum of of Water (A1) ater Table (A2) on (A3) Marks (B1)  | 000  | ired: check all that<br>Water-Ste<br>Aquatic F<br>True Aqua  | apply)<br>ained Lea<br>auna (B1<br>atic Plan<br>Sulfide<br>Rhizosph   | 3)<br>is (B14)<br>Odor (C1<br>ieres on I  | iving R                       | Seco S S S S S S S S S S S S S S S S S S S   | ndary Indicat<br>Surface Soil C<br>Orainage Patt<br>Ory-Season W<br>Crayfish Burro<br>Saturation Vis  | ors (minimum of t<br>Cracks (B6)<br>erns (B10)<br>Vater Table (C2)   | wo requ              |
| Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedimer Drift Dep  | are not present. Doe  OGY  Indicators: cators (minimum of of Water (A1) ater Table (A2) on (A3) Marks (B1) Int Deposits (B2)   | 000  | ired; check all that  Water-Ste  Aquatic F  True Aqua  Hydrogen  Oxidized  | apply)<br>ained Lea<br>auna (B1<br>atic Plan<br>Sulfide<br>Rhizosph<br>of Redu                              | 3)<br>is (B14)<br>Odor (C1<br>ieres on l<br>ced Iron (                                      | iving R<br>C4)                | Seco S C S C S C S C S C S C S C S S C S S C | ndary Indicat<br>Surface Soil C<br>Orainage Patt<br>Ory-Season W<br>Crayfish Burro<br>Saturation Vis  | ors (minimum of t<br>Cracks (B6)<br>erns (B10)<br>/ater Table (C2)<br>ows (C8)<br>ible on Aerial Ima<br>essed Plants (D1)  | wo requ              |
| Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Indi Surface High Water M Sedimer Drift Dep  | are not present. Doe  OGY  vidrology Indicators: cators (minimum of  | 000  | ired: check all that  Water-Sta  Aquatic F  True Aqua  Hydrogen  Oxidized  Presence  | apply)<br>ained Lea<br>auna (B1<br>atic Plan<br>Sulfide<br>Rhizosph<br>of Redu<br>on Reduc                  | 3) cs (B14) Odor (C1 neres on I ced Iron (  | iving R<br>C4)                | Seco S   | ndary Indicat<br>Surface Soil C<br>Orainage Patt<br>Ory-Season W<br>Crayfish Burro<br>Saturation Viss   | ors (minimum of the Cracks (B6) erns (B10) erns (B10) erns (C2) erns (C8) erns (C8) erns (C8) erns (C9) er | wo requ              |
| Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Indi Surface High Water M Sedimer Drift Dep Algal Ma Iron Dep  | are not present. Doe  OGY  Indicators: cators (minimum of of water (A1) ater Table (A2) on (A3) Marks (B1) Int Deposits (B2) posits (B3) at or Crust (B4)  | one is requ  | ired: check all that  Water-Sta  Aquatic F  True Aqua  Hydrogen  Oxidized I  Presence  Recent Ira  Thin Muck   | apply) ained Lea auna (B1 atic Plant Sulfide Rhizosph of Redu on Redu c Surface                             | 3) cs (B14) Odor (C1 neres on I ced Iron ( ction in Ti e (C7)                               | iving R<br>C4)                | Seco S   | ndary Indicat<br>Surface Soil C<br>Orainage Patt<br>Ory-Season W<br>Crayfish Burro<br>Saturation Vis<br>Stunted or Str<br>Geomorphic F                  | ors (minimum of the Cracks (B6) erns (B10) erns (B10) erns (C2) erns (C8) erns (C8) erns (C8) erns (C9) er | wo requ              |
| Depth (i Remarks: Hydric soils  Hydric soils  Wetland Hy Primary Indi Surface High Wa Saturati Water N Sedimer Drift Dep Algal Ma Iron Dep Inundati   | are not present. Doe  OGY  Indrology Indicators: cators (minimum of of Water (A1) ater Table (A2) on (A3) Marks (B1) Int Deposits (B2) posits (B3) at or Crust (B4) posits (B5)  | one is requ  | ired; check all that  Water-Sta  Aquatic F  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iru  Thin Muck  7)  Gauge or   | apply) ained Lea auna (B1 atic Plant Sulfide Rhizosph of Redu on Redu c Surface Well Da                     | 3) is (B14) Odor (C1) neres on I ced Iron ( ction in Ti e (C7) ta (D9)                      | iving R<br>C4)                | Seco S   | ndary Indicat<br>Surface Soil C<br>Orainage Patt<br>Ory-Season W<br>Crayfish Burro<br>Saturation Vis<br>Stunted or Str<br>Geomorphic F                  | ors (minimum of the Cracks (B6) erns (B10) erns (B10) erns (C2) erns (C8) erns (C8) erns (C8) erns (C9) er | wo requ              |
| Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedimer Drift Der Algal Ma Iron Der Inundati Sparsel   | are not present. Doe  OGY  Indrology Indicators: cators (minimum of  | one is requ  | ired; check all that  Water-Sta  Aquatic F  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iru  Thin Muck  7)  Gauge or   | apply) ained Lea auna (B1 atic Plant Sulfide Rhizosph of Redu on Redu c Surface Well Da                     | 3) is (B14) Odor (C1) neres on I ced Iron ( ction in Ti e (C7) ta (D9)                      | iving R<br>C4)                | Seco S   | ndary Indicat<br>Surface Soil C<br>Orainage Patt<br>Ory-Season W<br>Crayfish Burro<br>Saturation Vis<br>Stunted or Str<br>Geomorphic F                  | ors (minimum of the Cracks (B6) erns (B10) erns (B10) erns (C2) erns (C8) erns (C8) erns (C8) erns (C9) er | wo requ              |
| Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedimer Drift Dep Algal Ma Iron Dep Inundati Sparsely  | are not present. Doe  OGY  Indrology Indicators: cators (minimum of  | one is requ<br>magery (B<br>Surface (  | ired: check all that  Water-Sta  Aquatic F  True Aqua  Hydrogen  Oxidized I  Presence  Recent Ird  Thin Muck  7)  Gauge or  B8)  Other (Ex   | apply) ained Lea auna (B' atic Plani Sulfide Rhizosph of Redu on Redu c Surface Well Da plain in F          | 3) Is (B14) Odor (C1) Ineres on I Ced Iron ( Ction in Ti E (C7) Ita (D9) Remarks)           | iving R<br>C4)                | Seco S   | ndary Indicat<br>Surface Soil C<br>Orainage Patt<br>Ory-Season W<br>Crayfish Burro<br>Saturation Vis<br>Stunted or Str<br>Geomorphic F                  | ors (minimum of the Cracks (B6) erns (B10) erns (B10) erns (C2) erns (C8) erns (C8) erns (C8) erns (C9) er | wo requ              |
| Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedimer Drift Dep Algal Ma Iron Dep Inundati Sparsely  | are not present. Doe  OGY  Indicators: Cators (minimum of companies)  Water (A1)  ater Table (A2)  on (A3)  Marks (B1)  Int Deposits (B2)  posits (B3)  at or Crust (B4)  posits (B5)  on Visible on Aerial I  y Vegetated Concave  rvations:  ter Present? Ye | one is requ<br>magery (B<br>Surface (  | ired; check all that  Water-Sta  Aquatic F  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iru  Thin Muck  7)  Gauge or   | apply) ained Lea auna (B1 atic Plani Sulfide Rhizosph of Redu c Surface Well Da plain in F                  | 3) is (B14) Odor (C1) neres on I ced Iron ( ction in Ti e (C7) ta (D9)                      | iving R<br>C4)                | Seco S   | ndary Indicat<br>Surface Soil C<br>Orainage Patt<br>Ory-Season W<br>Crayfish Burro<br>Saturation Vis<br>Stunted or Str<br>Geomorphic F                  | ors (minimum of the Cracks (B6) erns (B10) erns (B10) erns (C2) erns (C8) erns (C8) erns (C8) erns (C9) er | wo requ              |
| Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Indi Surface High Wa Saturati Water N Sedimer Drift Dep Algal Ma Iron Dep Inundati Sparsely Field Obser Surface Wa   | are not present. Doe  OGY  Indrology Indicators: cators (minimum of of Mater (A1) ater Table (A2) on (A3) farks (B1) ater Table (B2) posits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial I y Vegetated Concave rvations: ter Present? Ye | magery (B<br>e Surface (   | ired; check all that  Water-Sta  Aquatic F  True Aqua  Hydrogen  Oxidized  Presence  Recent Ird  Thin Muck  7)  Gauge or  B8)  Other (Ex   | apply) ained Lea auna (B1 atic Plant Sulfide Rhizosph of Redu or Redu or Surface Well Da plain in f         | 3) Is (B14) Odor (C1 neres on I ced Iron ( tition in Ti e (C7) Ita (D9) Remarks)            | Living R<br>C4)<br>Iled Soil  | Seco S   | ndary Indicat<br>Surface Soil C<br>Drainage Patt<br>Dry-Season W<br>Crayfish Burro<br>Saturation Vis<br>Stunted or Str<br>Geomorphic F<br>GAC-Neutral T | ors (minimum of the Cracks (B6) erns (B10) //ater Table (C2) //ws (C8) ible on Aerial Ima essed Plants (D1) Position (D2) Fest (D5)  | wo reau              |
| Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedimel Drift Dep Inundati Sparsely Field Obset Surface Wa Water Table Saturation F  | are not present. Doe  OGY  Indrology Indicators: cators (minimum of of Mater (A1) ater Table (A2) on (A3) farks (B1) ater Table (B2) posits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial I y Vegetated Concave rvations: ter Present? Ye | magery (Bessure)   | ired; check all that  — Water-Sta — Aquatic F. — True Aqua — Hydrogen — Oxidized — Presence — Recent Ird — Thin Muck  7) — Gauge or — Other (Ex  No — X — No — X   | apply) ained Lea auna (B1 atic Plant Sulfide Rhizosph of Redu or Redu or Surface Well Da plain in f         | s (B14) Odor (C1 eres on I ced Iron ( ction in Ti e (C7) ta (D9) Remarks) Inches): Inches): | Living R<br>C4)<br>Iled Soil  | Seco S S S S S S S S S S S S S S S S S S S   | ndary Indicat<br>Surface Soil C<br>Drainage Patt<br>Dry-Season W<br>Crayfish Burro<br>Saturation Vis<br>Stunted or Str<br>Geomorphic F<br>GAC-Neutral T | ors (minimum of the Cracks (B6) erns (B10) //ater Table (C2) //ws (C8) ible on Aerial Ima essed Plants (D1) Position (D2) Fest (D5)  | wo requ              |
| Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedimer Drift Dep Algal Ma Iron Dept Iron Dept Iron Dept Iron Dept Sparsely Field Obser Surface Wa Water Table Saturation F (includes ca | are not present. Doe  OGY  Indrology Indicators: cators (minimum of  | magery (Bessel of the second o | ired: check all that  — Water-Sta — Aquatic F — True Aqua — Hydrogen — Oxidized I — Presence — Recent Irot — Thin Muck  7) — Gauge of — B8) — Other (Ex  No _ X — No _ X — No _ X  | apply) ained Lea auna (B1 atic Plant Sulfide Rhizosph of Redu or Surface Well Da plain in F Depth ( Depth ( | s (B14) Odor (C1 leres on I ced Iron ( totion in Ti e (C7) ta (D9) Remarks) nches): nches): | Living R<br>C4)<br>Illed Soil | Seco   S   S   S   S   S   S   S   C   S   S   | ndary Indicat<br>Surface Soil C<br>Drainage Patt<br>Dry-Season W<br>Crayfish Burro<br>Saturation Vis<br>Stunted or Str<br>Geomorphic F<br>AC-Neutral T  | ors (minimum of the Cracks (B6) erns (B10) //ater Table (C2) //ws (C8) ible on Aerial Ima essed Plants (D1) Position (D2) Fest (D5)  | wo reau              |
| Depth (i Remarks: Hydric soils  HYDROLO Wetland Hy Primary Indi Surface High Wa Saturati Water M Sedimer Drift Dep Algal Ma Iron Dep Inundati Sparsely Field Obser Surface Wa Water Table Saturation F (includes ca                       | are not present. Doe  OGY  rdrology Indicators: cators (minimum of   | magery (Bessel of the second   | ired: check all that  — Water-Sta — Aquatic F — True Aqua — Hydrogen — Oxidized I — Presence — Recent Irot — Thin Muck  7) — Gauge of — B8) — Other (Ex  No _ X — No _ X — No _ X  | apply) ained Lea auna (B1 atic Plant Sulfide Rhizosph of Redu or Surface Well Da plain in F Depth ( Depth ( | s (B14) Odor (C1 leres on I ced Iron ( totion in Ti e (C7) ta (D9) Remarks) nches): nches): | Living R<br>C4)<br>Illed Soil | Seco   S   S   S   S   S   S   S   C   S   S   | ndary Indicat<br>Surface Soil C<br>Drainage Patt<br>Dry-Season W<br>Crayfish Burro<br>Saturation Vis<br>Stunted or Str<br>Geomorphic F<br>AC-Neutral T  | ors (minimum of the Cracks (B6) erns (B10) //ater Table (C2) //ws (C8) ible on Aerial Ima essed Plants (D1) Position (D2) Fest (D5)  | wo reau              |

| U.S. Army Corps of WETLAND DETERMINATION DATA See ERDC/EL TR-07-24; the propone | SHEET - I           | Midwest R            | 5450                        | Requirement Control Symbol<br>EXEMPT<br>(Authority: AR 335-15, paragraph 5-2a)   |
|---|---------------------|----------------------|-----------------------------|--|
| Project/Site: Chicago O'Hare International Airport (OR                          | D)                  | City/Cou             | inty: Chicago               | /Cook or DuPage Sampling Date: 08/22/2019  |
| Applicant/Owner: City of Chicago  |                     |                      |                             | State: IL Sampling Point: SE19-46 WE   |
| Investigator(s): Brauna Hartzell, Conor Makepeace, Kim Shannon,                 | Mead & Hunt, In     | c. Section,          | Township, Ran               | nge: Section 17, T40N, R12E  |
| Landform (hillside, terrace, etc.): basin                                       |                     |                      |                             | oncave, convex, none): concave   |
|   |                     |                      | 87.90193945                 | and the second s |
| Soil Map Unit Name: 805A - Orthents, clayey, nearly le                          |                     |                      |                             |  |
| Are climatic / hydrologic conditions on the site typical f                      |                     |                      | Yes X                       | No (If no, explain in Remarks.)  |
| Are Vegetation, Soil, or Hydrology  |                     | <del>.</del>         |                             | 1 <del>0</del>   |
| Are Vegetation , Soil , or Hydrology  |                     |                      |                             | plain any answers in Remarks.)   |
| 04.7  |                     |                      |                             |  |
| SUMMARY OF FINDINGS – Attach site m   | ap showin           | ig samplir           | ng point lo                 | cations, transects, important features, etc.   |
|   | <u> </u>            |                      | Sampled Are<br>n a Wetland? |  |
| Remarks:  |                     |                      |                             |  |
| VEGETATION – Use scientific names of pla  |                     |                      |                             |  |
| Tree Stratum (Plot size: )  | Absolute<br>% Cover | Dominant<br>Species? | Indicator<br>Status         | Dominance Test worksheet:  |
| 1.  | 70 00001            | Орескез              | Otalus                      | Number of Dominant Species That  |
| 2.  |                     |                      |                             | Are OBL, FACW, or FAC: 1 (A)   |
| 3.  |                     |                      |                             | Total Number of Dominant Species   |
| 4   |                     |                      |                             | Across All Strata: 1 (B)   |
| 5   |                     |                      |                             | Percent of Dominant Species That   |
| Sapling/Shrub Stratum (Plot size:   | -                   | =Total Cover         |                             | Are OBL, FACW, or FAC: 100.0% (A/B)  |
| 1. (130 3/20).  | ,                   |                      |                             | Prevalence Index worksheet:  |
| 2.  |                     |                      |                             | Total % Cover of: Multiply by:   |
| 3.  |                     |                      |                             | OBL species 80 x 1 = 80  |
| 4.  |                     |                      |                             | FACW species 20 x 2 = 40   |
| 5   |                     |                      |                             | FAC species0 x 3 =0  |
|   |                     | =Total Cover         |                             | FACU species0 x 4 =0   |
| Herb Stratum (Plot size: 5ft )  | 70                  | V                    | OBL                         | UPL species 0 x 5 = 0  Column Totals: 100 (A) 120 (B)  |
| Eleocharis palustris     Solidago sempervirens                                  | 72<br>15            | Yes<br>No            | FACW                        | Column Totals: 100 (A) 120 (B)  Prevalence Index = B/A = 1.20  |
| 3. Schoenoplectus tabernaemontani   | 7                   | No                   | OBL                         | Prevalence muex = B/A = 1.20   |
| 4. Echinochloa crus-galli   | 5                   | No                   | FACW                        | Hydrophytic Vegetation Indicators:   |
| 5. Asclepias incarnata  | 1                   | No                   | OBL                         | X 1 - Rapid Test for Hydrophytic Vegetation  |
| 6.  |                     |                      |                             | X 2 - Dominance Test is >50%   |
| 7.  |                     |                      |                             | X 3 - Prevalence Index is ≤3.0 <sup>1</sup>  |
| 8   |                     |                      |                             | 4 - Morphological Adaptations (Provide supporting  |
| 9   |                     |                      |                             | data in Remarks or on a separate sheet)  |
| 10  | 100                 | -Total Cover         | —                           | Problematic Hydrophytic Vegetation (Explain)   |
| Woody Vine Stratum (Plot size:  | 100 =               | =Total Cover         | Ļ                           | Indicators of hydric soil and wetland hydrology must<br>be present, unless disturbed or problematic.   |
| 1   | <del></del>         |                      |                             | Hydrophytic  |
|   |                     | Total Cover          |                             | Vegetation Present? Yes X No   |

Remarks: (Include photo numbers here or on a separate sheet.)

Community Type: wet meadow HGM Type: depressional Hydrophytic vegetation is present.

| Profile Desc   | cription: (Describe  | to the dep            | oth needed to doc   | ument t  | he indica  | ator or                             | confirm the absence   | e of indicato  | rs.)   |                     |
|--|--|-----------------------|---|--|--|-------------------------------------|---|--|--|---------------------|
| Depth  | Matrix   |                       | Redo  | x Featu  | res  |                                     |   |  |  |                     |
| (inches)   | Color (moist)  | %                     | Color (moist)   | %  | Type <sup>1</sup>  | Loc <sup>2</sup>                    | Texture   |  | Remarks  |                     |
| 0-8  | 7.5YR 2.5/1  | 100                   |   |  |  |                                     | Loamy/Clayey  |  | clay   |                     |
| 8-16   | 7.5YR 4/1  | 95                    | 7.5YR 4/6   | 5  | С  | М                                   | Loamy/Clayey  | Promir   | nent redox conce   | ntrations           |
|  |  |                       |   |  |  |                                     |   |  |  |                     |
| Type: C=C  | oncentration, D=Dep  | letion RM             | =Reduced Matrix   | MS=Mas   | ked San  | d Grains                            | <sup>2</sup> Locatio  | on: PL=Pore  | Lining, M=Matrix   | C.                  |
| Hydric Soil I  |  | iotion, reivi         | -reduced waters,  | IVIO IVIUS   | nea can  | Joinna                              |   |  | lematic Hydric   |                     |
| Histosol   |  |                       | Sandy Gle   | eved Mat   | trix (S4)  |                                     |   | ast Prairie Re   |  |                     |
| Tenner are   | pipedon (A2)   |                       | Sandy Re  | S management   |  |                                     |   |  | Masses (F12)   |                     |
| Black His  | 100  |                       | Stripped M  |  |  |                                     |   | d Parent Mat   |  |                     |
|  | n Sulfide (A4)   |                       | Dark Surfa  |  |  |                                     |   |  | ark Surface (F22   | ١                   |
|  | Layers (A5)  |                       | Loamy Mu  |  |  |                                     |   | er (Explain in   |  | •                   |
| 2 cm Mu  |  |                       | Loamy Gl  |  |  |                                     |   | (=pisiii) ii   |  |                     |
| The state of the state of  | Below Dark Surface   | e (A11)               | X Depleted  |  |  |                                     |   |  |  |                     |
|  | ark Surface (A12)  | . (, , , , ,          | Redox Da  |  |  |                                     | 3 Indicate  | ors of hydron  | hytic vegetation   | and                 |
|  | lucky Mineral (S1)   |                       | — Depleted  |  | 0 5  | r.                                  |   | 8 8  | gy must be prese   |                     |
|  | cky Peat or Peat (S  | 3)                    | Redox De  |  | 12 /2  | , A                                 |   | 1000 10  | d or problematic.  | , iii.,             |
|  |  |                       |   | p. 000.0.  | ()   | T                                   | 8,110   |  | or proprietion   |                     |
| Restrictive i  | Layer (if observed):   |                       |   |  |  |                                     |   |  |  |                     |
| Tyme:  |  |                       |   |  |  |                                     |   |  |  |                     |
| Type:  | nches):  |                       |   |  |  |                                     | Hydric Soil Prese   | nt?  | Ves X  | No                  |
| Depth (in<br>Remarks:<br>Hydric soils a  | are present. Hydric  |                       |   | ow Dark  | Surface (  | A11) an                             | Hydric Soil Prese   |  | Yes X  | No                  |
| Depth (in<br>Remarks:<br>Hydric soils a  | A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-A-   |                       |   | w Dark   | Surface (.   | A11) an                             | and incoming the second   |  | 40 Abo (101)   | 132/20              |
| Depth (in Remarks: Hydric soils at throughout w  | are present. Hydric :<br>vetland; many pits te   | sted, a ma            |   | ow Dark  | Surface (  | A11) an                             | and incoming the second   |  | 40 Abo (101)   | 132/20              |
| Depth (in Remarks: Hydric soils at throughout w  | are present. Hydric : vetland; many pits te  | sted, a ma            | trix wetland  |  | Surface (.   | A11) an                             | d Depleted Matrix (F:   | 3) are satisfie  | ed. Soils were co  | mplicate            |
| Depth (In Remarks: Hydric soils a throughout when the throughout when the throughout when the throughout when the throughout wetland Hydrogen throughout the | are present. Hydric : vetland; many pits te  OGY  drology Indicators: cators (minimum of o   | sted, a ma            | itrix wetland   | apply)   |  |                                     | d Depleted Matrix (F:   | 3) are satisfie  | ed. Soils were co  | mplicate            |
| Depth (in Remarks: Hydric soils a throughout w  HYDROLO Wetland Hye Primary India X Surface 1  | are present. Hydric settland; many pits te   | sted, a ma            | ired; check all that<br>Water-Sta   | apply)<br>ained Lea  | aves (B9)  |                                     | d Depleted Matrix (F:   | 3) are satisfie ary Indicator face Soil Cra  | ed. Soils were co  | mplicate            |
| Depth (in Remarks: Hydric soils at throughout well and Hydron Hydron Mydron Myd | are present. Hydric vetland; many pits te  | sted, a ma            | itrix wetland  iired: check all that  Water-Sta  Aquatic Fi   | apply)<br>ained Lea<br>auna (B1  | aves (B9)  |                                     | d Depleted Matrix (F3   | ary Indicator<br>face Soil Cra<br>inage Patteri  | ed. Soils were co  | mplicate            |
| Depth (in Remarks: Hydric soils at throughout well and Hyperimary Indic X Surface X High Wa Saturatio  | are present. Hydric vetland; many pits te ve | sted, a ma            | ired: check all that  Water-Sta  Aquatic Fi  True Aqua  | apply)<br>ained Lea<br>auna (B1<br>atic Plani  | aves (B9)<br>13)<br>ts (B14)   |                                     | d Depleted Matrix (F3   | ary Indicator<br>face Soil Cra<br>inage Patteri<br>-Season Wa  | ed. Soils were co  | mplicate            |
| Depth (in Remarks: Hydric soils at throughout well and Hydric soils at throughout well and Hydrimary Indic X Surface X High Wa Saturatic Water M   | are present. Hydric vetland; many pits te ve | sted, a ma            | itrix wetland  iired: check all that  Water-Sta  Aquatic Fi   | apply)<br>ained Lea<br>auna (B1<br>atic Plan<br>Sulfide  | aves (B9)<br>13)<br>ts (B14)<br>Odor (C1   | )                                   | d Depleted Matrix (F3   | ary Indicator<br>face Soil Cra<br>inage Patter<br>-Season Wa<br>yfish Burrow   | s. (minimum of twacks (B6) ns (B10) ter Table (C2) s (C8)  | mplicate            |
| Depth (in Remarks: Hydric soils a throughout w  HYDROLO Wetland Hyd Primary Indic X Surface X High Wa X Saturatic Water M Sedimen  | are present. Hydric vetland; many pits te ve | sted, a ma            | ired; check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  | apply)<br>ained Lea<br>auna (B1<br>atic Plan<br>Sulfide<br>Rhizosph                                | aves (B9)<br>13)<br>ts (B14)<br>Odor (C1<br>neres on l   | )<br>Living R                       | Second Sur Dra Dry Cra oots (C3) X Sat                                  | ary Indicator<br>face Soil Cra<br>inage Patter<br>-Season Wa<br>yfish Burrow<br>uration Visibl                                   | s (minimum of twacks (B6) ns (B10) ter Table (C2) s (C8) le on Aerial Imag   | mplicate            |
| Depth (in Remarks: Hydric soils a throughout w  HYDROLO Wetland Hye Primary Indic X Surface X High Wa X Saturatic Water M Sedimen Drift Dep  | are present. Hydric vetland; many pits te vetland; many pits (Many pits) pits  | sted, a ma            | ired: check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  | apply)<br>ained Lea<br>auna (B1<br>atic Plan<br>Sulfide<br>Rhizosph<br>of Redu                     | aves (B9)<br>13)<br>ts (B14)<br>Odor (C1<br>neres on l<br>ced Iron (   | )<br>Living R<br>(C4)               | Second Sur Dra Dry Cra oots (C3) X Sat                                  | ary Indicator<br>face Soil Cra<br>inage Patter<br>-Season Wa<br>yfish Burrow<br>uration Visibl                                   | s (minimum of twacks (B6) ns (B10) ter Table (C2) s (C8) le on Aerial Imagised Plants (D1)   | mplicate            |
| Depth (in Remarks: Hydric soils a throughout w  HYDROLO Wetland Hye Primary Indic X Surface t X High Wa X Saturatic Water M Sedimen Drift Dep Algal Ma   | are present. Hydric extends; many pits tervelland; many pits terve | sted, a ma            | ired: check all that  Water-Sta  Aquatic F:  True Aqua  Hydrogen  Oxidized I  | apply)<br>ained Lea<br>auna (B1<br>atic Plan<br>Sulfide<br>Rhizosph<br>of Redu<br>on Reduc         | aves (B9)<br>13)<br>ts (B14)<br>Odor (C1<br>neres on l<br>ced Iron (<br>ction in Ti                          | )<br>Living R<br>(C4)               | Second   Sur   Dry   Cra   Oots (C3)   X   Sat   Stu   S (C6)   X   Ger | ary Indicator<br>face Soil Cra<br>inage Patteri<br>-Season Wa<br>yfish Burrow<br>uration Visibl<br>nted or Stres<br>omorphic Pos | s (minimum of twacks (B6) ns (B10) ter Table (C2) s (C8) le on Aerial Imagesed Plants (D1) sition (D2)                               | mplicate            |
| Depth (in Remarks: Hydric soils a throughout w  HYDROLO Wetland Hye Primary Indic X Surface \( \) X Surface \( \) Water M Sedimen Drift Dep Algal Ma Iron Dep  | are present. Hydric extends; many pits tervetland; many pits terve | one is requ           | ired: check all that Water-Sta Aquatic F: True Aqua Hydrogen Oxidized I Presence Recent Iro   | apply) ained Lea auna (B1 atic Plant Sulfide Rhizosph of Redu on Redu c Surface                    | aves (B9) 13) ts (B14) Odor (C1 neres on l ced Iron ( ction in Ti e (C7)                                     | )<br>Living R<br>(C4)               | Second   Sur   Dry   Cra   Oots (C3)   X   Sat   Stu   S (C6)   X   Ger | ary Indicator<br>face Soil Cra<br>inage Patteri<br>-Season Wa<br>yfish Burrow<br>uration Visibl<br>nted or Stres                 | s (minimum of twacks (B6) ns (B10) ter Table (C2) s (C8) le on Aerial Imagesed Plants (D1) sition (D2)                               | mplicate            |
| Depth (in Remarks: Hydric soils a throughout whether the soils and the soils at throughout whether the soils at throughout whether the soils at the  | are present. Hydric extends; many pits tervetland; many pits terve | one is requ           | ired: check all that Water-Sta Aquatic Fi True Aqua Hydrogen Oxidized I Presence Recent Iro Thin Muck 7) Gauge or   | apply) ained Lea auna (B1 atic Plant Sulfide Rhizosph of Redu on Redu c Surface Well Da            | aves (B9) 13) ts (B14) Odor (C1 neres on local fron oction in Tie e (C7) ta (D9)                             | )<br>Living R<br>(C4)               | Second  | ary Indicator<br>face Soil Cra<br>inage Patteri<br>-Season Wa<br>yfish Burrow<br>uration Visibl<br>nted or Stres<br>omorphic Pos | s (minimum of twacks (B6) ns (B10) ter Table (C2) s (C8) le on Aerial Imagesed Plants (D1) sition (D2)                               | mplicate            |
| Depth (in Remarks: Hydric soils a throughout w  HYDROLO Wetland Hye Primary Indic X Surface V X High Wa X Saturatic Water M Sedimen Drift Dep Algal Ma Iron Dep Inundatic Sparsely   | are present. Hydric extelland; many pits tervetland; many pits ter | one is requ           | ired: check all that Water-Sta Aquatic Fi True Aqua Hydrogen Oxidized I Presence Recent Iro Thin Muck 7) Gauge or   | apply) ained Lea auna (B1 atic Plant Sulfide Rhizosph of Redu on Redu c Surface Well Da            | aves (B9) 13) ts (B14) Odor (C1 neres on local fron oction in Tie e (C7) ta (D9)                             | )<br>Living R<br>(C4)               | Second  | ary Indicator<br>face Soil Cra<br>inage Patteri<br>-Season Wa<br>yfish Burrow<br>uration Visibl<br>nted or Stres<br>omorphic Pos | s (minimum of twacks (B6) ns (B10) ter Table (C2) s (C8) le on Aerial Imagesed Plants (D1) sition (D2)                               | mplicate            |
| Depth (in Remarks: Hydric soils a throughout whether the soils and the soils at throughout whether the soils at throughout whether the soils at the  | are present. Hydric vetland; many pits te ve | magery (B             | ired: check all that Water-Sta Aquatic F: True Aqua Hydrogen Oxidized I Presence Recent Iro Thin Muck 7) Gauge or B8) Other (Ex   | apply) ained Lea auna (B' atic Plani Sulfide Rhizosph of Redu on Redu c Surface Well Da plain in F | aves (B9) 13) ts (B14) Odor (C1 neres on lead from option in Tile (C7) ta (D9) Remarks)                      | )<br>Living R<br>(C4)<br>Iled Soi   | Second  | ary Indicator<br>face Soil Cra<br>inage Patteri<br>-Season Wa<br>yfish Burrow<br>uration Visibl<br>nted or Stres<br>omorphic Pos | s (minimum of twacks (B6) ns (B10) ter Table (C2) s (C8) le on Aerial Imagesed Plants (D1) sition (D2)                               | mplicate            |
| Depth (in Remarks: Hydric soils a throughout w  HYDROLO Wetland Hye Primary Indic X Surface V X High Wa X Saturatic Water M Sedimen Drift Dep Algal Ma Iron Dep Inundatic Sparsely   | are present. Hydric vetland; many pits te vetland; many pits to consit (B1) vetland; many pits to consit (B4) vetland; vetl | one is requ           | ired: check all that Water-Sta Aquatic Fi True Aqua Hydrogen Oxidized I Presence Recent Iro Thin Muck 7) Gauge or   | apply) ained Lea auna (B1 atic Plan Sulfide Rhizosph of Redu c Surface Well Da plain in F          | aves (B9) 13) ts (B14) Odor (C1 neres on local fron oction in Tie e (C7) ta (D9)                             | )<br>Living R<br>(C4)<br>Iled Soi   | Second  | ary Indicator<br>face Soil Cra<br>inage Patteri<br>-Season Wa<br>yfish Burrow<br>uration Visibl<br>nted or Stres<br>omorphic Pos | s (minimum of twacks (B6) ns (B10) ter Table (C2) s (C8) le on Aerial Imagesed Plants (D1) sition (D2)                               | mplicate            |
| Depth (in Remarks: Hydric soils a throughout whether the soils at | are present. Hydric vetland; many pits tervetland; many pits terve | magery (Be Surface (  | ired: check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Ird  Thin Much  7) Gauge or  B8) Other (Ex   | apply) ained Lea auna (B1 atic Plant Sulfide Rhizosph of Redu or Surface Well Da plain in f        | aves (B9) 13) ts (B14) Odor (C1 neres on lection in Tiele (C7) ta (D9) Remarks) inches):                     | )<br>Living R<br>(C4)<br>Illed Soil | Second  | ary Indicator<br>face Soil Cra<br>inage Patteri<br>-Season Wa<br>yfish Burrow<br>uration Visibl<br>omorphic Pos<br>C-Neutral Tes | s (minimum of twacks (B6)<br>ns (B10)<br>ter Table (C2)<br>s (C8)<br>le on Aerial Imag<br>seed Plants (D1)<br>sition (D2)<br>st (D5) | mplicate            |
| Depth (in Remarks: Hydric soils a throughout whether the soils at the soil the | are present. Hydric vetland; many pits te vetland; many pits to constant (B1) arks (B1) at Deposits (B2) posits (B3) at or Crust (B4) posits (B5) por Visible on Aerial I vegetated Concave vations:  er Present? Ye present? Ye present? Ye vetland; many pits te vetla | magery (Besurface (   | ired: check all that Water-Sta Aquatic Fi True Aqua Hydrogen Oxidized I Presence Recent Ird Thin Much 7) Gauge or B8) Other (Ex   | apply) ained Lea auna (B1 atic Plant Sulfide Rhizosph of Redu or Surface Well Da plain in f        | aves (B9) 13) ts (B14) Odor (C1 heres on lection in Tiele (C7) ta (D9) Remarks) inches): _                   | )<br>Living R<br>(C4)<br>Illed Soil | Second  | ary Indicator<br>face Soil Cra<br>inage Patteri<br>-Season Wa<br>yfish Burrow<br>uration Visibl<br>omorphic Pos<br>C-Neutral Tes | s (minimum of twacks (B6)<br>ns (B10)<br>ter Table (C2)<br>s (C8)<br>le on Aerial Imag<br>seed Plants (D1)<br>sition (D2)<br>st (D5) | mplicate //o requir |
| Depth (in Remarks: Hydric soils at throughout well and Hydric soils at throughout well and Hydrimary India X Surface Water M Sedimen Drift Dep Inundatic Sparsely Field Obser Surface Water Table Saturation Profice Includes care   | are present. Hydric vetland; many pits te vetland; many pits to constant (B1) arks (B1) at Deposits (B2) posits (B3) at or Crust (B4) posits (B5) por Visible on Aerial I vegetated Concave vations:  er Present? Ye present? Ye present? Ye vetland; many pits te vetla | magery (Be Surface (  | ired: check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Irc  Thin Mock  7)  Gauge or  B8)  No  No  No                                      | apply) ained Lea auna (B1 atic Plant Sulfide Rhizosph of Redu of Surface Vell Da plain in F        | aves (B9) 13) ts (B14) Odor (C1 neres on l ced from (c ction in Ti e (C7) ta (D9) Remarks) inches): inches): | )<br>Living R<br>(C4)<br>Illed Soil | Second  | ary Indicator<br>face Soil Cra<br>inage Patteri<br>-Season Wa<br>yfish Burrow<br>uration Visibl<br>omorphic Pos<br>C-Neutral Tes | s (minimum of twacks (B6)<br>ns (B10)<br>ter Table (C2)<br>s (C8)<br>le on Aerial Imag<br>seed Plants (D1)<br>sition (D2)<br>st (D5) | mplicate //o requir |
| Depth (in Remarks: Hydric soils a throughout we have been been been been been been been be   | are present. Hydric extelland; many pits tervetland; many pits ter | magery (Bee Surface ( | ired: check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Irc  Thin Much  7) Gauge or  B8) Other (Ex)  No  No  No  No  Onitoring well, aeria | apply) ained Lea auna (B1 atic Plant Sulfide Rhizosph of Redu of Surface Vell Da plain in F        | aves (B9) 13) ts (B14) Odor (C1 neres on l ced from (c ction in Ti e (C7) ta (D9) Remarks) inches): inches): | )<br>Living R<br>(C4)<br>Illed Soil | Second  | ary Indicator<br>face Soil Cra<br>inage Patteri<br>-Season Wa<br>yfish Burrow<br>uration Visibl<br>omorphic Pos<br>C-Neutral Tes | s (minimum of twacks (B6)<br>ns (B10)<br>ter Table (C2)<br>s (C8)<br>le on Aerial Imag<br>seed Plants (D1)<br>sition (D2)<br>st (D5) | mplicate            |
| Depth (in Remarks: Hydric soils a throughout we have been been been been been been been be   | are present. Hydric extelland; many pits tervetland; many pits ter | magery (Bee Surface ( | ired: check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Irc  Thin Much  7) Gauge or  B8) Other (Ex)  No  No  No  No  Onitoring well, aeria | apply) ained Lea auna (B1 atic Plant Sulfide Rhizosph of Redu of Surface Vell Da plain in F        | aves (B9) 13) ts (B14) Odor (C1 neres on l ced from (c ction in Ti e (C7) ta (D9) Remarks) inches): inches): | )<br>Living R<br>(C4)<br>Illed Soil | Second  | ary Indicator<br>face Soil Cra<br>inage Patteri<br>-Season Wa<br>yfish Burrow<br>uration Visibl<br>omorphic Pos<br>C-Neutral Tes | s (minimum of twacks (B6)<br>ns (B10)<br>ter Table (C2)<br>s (C8)<br>le on Aerial Imag<br>seed Plants (D1)<br>sition (D2)<br>st (D5) | mplicate            |

| U.S. Army Corps of E<br>WETLAND DETERMINATION DATA S   | and the second seconds to  | voct Bogion            |  | ent Control Symbo<br>EXEMPT              | I                  |
|--|--|------------------------|--|--|--------------------|
| See ERDC/EL TR-07-24; the proponen   |  |                        |  | באבועור ו<br>335-15, paragraph           | 5-2a)              |
| Project/Site: Chicago O'Hare International Airport (ORD  | ) (  | City/County: Chicago/0 | Cook or DuPage                               | Sampling Date: 8/1                       | 5/2019             |
| Applicant/Owner: City of Chicago   | <u>,                                      </u>                     |                        |  | Sampling Point: SE                       |                    |
| Investigator(s): Brauna Hartzell, Kim Shannon, Mead & H  | Hunt. Inc.   | Section, Town          | nship, Range: Section                        | 25 (27)                                  |                    |
| Landform (hillside, terrace, etc.): midslope   |  |                        | oncave, convex, none):                       |  |                    |
| Slope (%): 5% Lat: 41.95233797   |  | Long: -87.89716036     |  | Datum: WGS84                             |                    |
| Soil Map Unit Name: 805A - Orthents, clayey, nearly lev  | 10 10 10 10 10   |                        | NWI classif                                  |  |                    |
| Are climatic / hydrologic conditions on the site typical for   |  |                        | No (If no, exp                               | -  |                    |
| Are Vegetation X , Soil , or Hydrology signature of the size typical for   | Children Reproduct Parity-Sylvania                                 |                        |  |  |                    |
| Are Vegetation, Soil, or Hydrologyna   |  |                        | ain any answers in Rer                       |  | _                  |
|  |  |                        |  |  | a oto              |
| SUMMARY OF FINDINGS – Attach site ma   | p snowing sa   | ampling point loc      | ations, transects,                           | , important reature                      | s, ec.             |
|  | <u>X</u>   | Is the Sampled Are     |  |  |                    |
| AND CONTRACTOR SECURIOR SECURI | - V  | within a Wetland?      | Yes  | No X                                     |                    |
| SUMMAN AND AND AND AND AND AND AND AND AND A   | <u>X</u>   |                        |  |  |                    |
| Remarks:<br>Area is mown regularly.  |  |                        |  |  |                    |
| ,  |  |                        |  |  |                    |
| VEGETATION – Use scientific names of plan  | ts.  |                        |  |  |                    |
| Tree Charles (Diet size:   |  | ninant Indicator       | Daminanas Tast war                           | laha atı                                 | Y.                 |
| Tree Stratum (Plot size:)  1.  | % Cover Spe  | ecies? Status          | Dominance Test wor                           |  |                    |
| 2.   |  | 31 15                  | Number of Dominant S<br>Are OBL, FACW, or F. | all one                                  | (A)                |
| 3.   |  |                        | Total Number of Domi                         | nant Species                             |                    |
| 4  |  |                        | Across All Strata:                           | 1  | (B)                |
| 5.   |  |                        | Percent of Dominant S                        |  |                    |
| Sapling/Shrub Stratum (Plot size: )  | = lota   | l Cover                | Are OBL, FACW, or F.                         | AC: 0.0%                                 | — <sup>(A/B)</sup> |
| Sapling/Shrub Stratum (Plot size:)  1.   |  |                        | Prevalence Index wo                          | rksheet:                                 |                    |
| 2.   |  |                        | Total % Cover of:                            |  |                    |
| 3.   |  |                        | OBL species 0                                | x 1 = 0                                  |                    |
| 4.   |  |                        | FACW species 0                               | x 2 = 0                                  | _                  |
| 5  |  |                        | FAC species 0                                |  | _                  |
| Hart Otastana (Distriction 54 )  | =Tota  | l Cover                | FACU species 10 UPL species 0                | NOT OF                                   | <u> </u>           |
| Herb Stratum (Plot size: 5ft )  1. Schedonorus arundinaceus  | 95 `   | res FACU               | UPL species 0 Column Totals: 10              | 100000000000000000000000000000000000000  | —<br>(B)           |
| Trifolium repens   |  | No FACU                | Prevalence Index =                           | , , ,                                    | _(5)               |
| 3. Trifolium pratense  | 2  | No FACU                |  | -  | _                  |
| 4.   |  |                        | Hydrophytic Vegetati                         | ion Indicators:                          |                    |
| 5  |  |                        | 1.50   | Hydrophytic Vegetation                   |                    |
| 6  |  | <del></del>            | 2 - Dominance Te                             | en e |                    |
| 7.<br>8.   |  |                        | 3 - Prevalence Inc                           | iex is ≤3.0°<br>Adaptations¹ (Provide s  | upporting          |
| 9.   |  |                        |  | s or on a separate shee                  |                    |
| 10.  |  |                        |  | ophytic Vegetation <sup>1</sup> (Exp     |                    |
|  | 100 =Tota  | l Cover                |  | oil and wetland hydrolog                 | ě.                 |
| Woody Vine Stratum (Plot size:)  |  |                        | be present, unless dis                       |  |                    |
| 1.   | - 3  |                        | Hydrophytic                                  |  |                    |
| 2.   |  | I Cover                | Vegetation                                   | No. V                                    |                    |
| Demonstrati (Include all alle vivos la constante de la constan |  | I Cover                | Present? Yes_                                | No_X_                                    |                    |
| Remarks: (Include photo numbers here or on a separa<br>Community Type: developed land HGM: N/A Hydro   | MADE DOCUMENT AND CONTRACT AND | is not present.        |  |  |                    |
| TOTAL PROPERTY TO A STATE OF THE PROPERTY OF T |  |                        |  |  |                    |

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APPENDIX L L-231 NOVEMBER 2022

| \anth  | monte concentration we would be the terminal to  | to the dep   |   |   |   | ווטו טר נ                        | confirm the absenc   | e or muicato  | JI 5. <i>]</i>  |        |
|--|--|--|---|---|---|----------------------------------|--|---|---|--------|
| Depth  | Matrix   |  | Control of the Control of the Control   | x Featu   |   | Loo2                             | Taribuna   |   | Damanka   |        |
| nches)   | Color (moist)  | <u>%</u>   | Color (moist)   | %   | Type  | Loc²                             | Texture  | _   | Remarks   |        |
| 0-4  | 7.5YR 3/1  | 100  | (A_A7746 A(_3) (\$200)  |   | -   | 50000                            | Loamy/Clayey   | <u> </u>  | loam  | 7000   |
| 4-10   | 7.5YR 5/2  | 95   | 7.5YR 4/4   | . <u>_5</u><br>   | <u> </u>  | _M_                              | Loamy/Clayey   | Disti   | nct redox concentr  | ation  |
|  |  |  |   | <u> </u>  | $\equiv$  | -                                |  |   |   |        |
| ype: C=C   | oncentration, D=Dep  | letion, RM   | =Reduced Matrix,  | MS=Mas  | ked Sand  | Grains                           | 5. <sup>2</sup> Locati   | on: PL=Pore   | e Lining, M=Matrix.   | 0      |
| ydric Soil   | Indicators:  |  |   |   |   |                                  | Indica   | tors for Prot   | olematic Hydric S   | oils³: |
| Histosol   | (A1)   |  | Sandy Gle   | eyed Mat  | rix (S4)  |                                  | c  | ast Prairie R   | edox (A16)  |        |
| Histic E   | pipedon (A2)   |  | Sandy Re  | dox (S5)  |   |                                  | Iro  | n-Manganes  | e Masses (F12)  |        |
| Black H  | istic (A3)   |  | Stripped M  | √atrix (S   | 6)  |                                  | Re   | d Parent Mai  | terial (F21)  |        |
| Hydroge  | en Sulfide (A4)  |  | Dark Surfa  | ace (S7)  |   |                                  | Ve   | ry Shallow D  | ark Surface (F22)   |        |
| Stratifie  | d Layers (A5)  |  | Loamy Mu  | icky Min  | eral (F1)   |                                  | Ot   | her (Explain i  | in Remarks)   |        |
| 2 cm Mu  | ıck (A10)  |  | Loamy Gl  | eyed Ma   | trix (F2)   |                                  |  |   |   |        |
| X Deplete  | d Below Dark Surface   | e (A11)  | X Depleted  | Matrix (F   | 3)  |                                  |  |   |   |        |
| Thick D  | ark Surface (A12)  |  | Redox Da  | rk Surfa  | ce (F6)   |                                  | 3 Indica   | tors of hydro   | phytic vegetation a   | nd     |
| Sandy N  | lucky Mineral (S1)   |  | Depleted  | Dark Sui  | face (F7)   |                                  | we   | tland hydrolo   | ogy must be preser  | nt,    |
| 5 cm Mu  | icky Peat or Peat (S3  | 3)   | Redox De  | pression  | s (F8)  |                                  | un   | less disturbe   | d or problematic.   |        |
| estrictive   | Layer (if observed):   | 7  |   |   |   | Ī                                |  |   |   |        |
| Type:  | compacted  | layer  |   |   |   |                                  |  |   |   |        |
|  |  |  |   |   |   |                                  |  |   |   |        |
|  | are present. Hydric s  | 10<br>soils indica   | ators Depleted Belo   | ow Dark   | Surface (   | A11) an                          | <b>Hydric Soil Prese</b>   |   | Yes X   | No_    |
| Remarks:   |  |  | ators Depleted Belo   | ow Dark   | Surface (   | A11) an                          | and an analysis and an analysis  |   | 37003.195   | No _   |
| Remarks:<br>lydric soils   | are present. Hydric s  | soils indica   | ators Depleted Belo   | ow Dark   | Surface (   | 411) an                          | and an analysis and an analysis  |   | 37003.195   | No     |
| Remarks:<br>Hydric soils<br>YDROLO<br>Vetland Hy   | are present. Hydric s  | soils indica   |   |   | Surface (,  | 411) an                          | d Depleted Matrix (F   | 3) are satisfi  | ed.   | 3200   |
| Remarks:<br>Hydric soils<br>YDROLO<br>Vetland Hy<br>Primary Indi   | are present. Hydric s  OGY  drology Indicators: cators (minimum of c   | soils indica   | ired: check all that  | apply)  |   | A11) an                          | d Depleted Matrix (F   | 3) are satisfi  | ed.<br>rs (minimum of two   | 3200   |
| Remarks:<br>lydric soils<br>YDROLO<br>Vetland Hy<br>Primary Indi<br>Surface  | are present. Hydric s  OGY  drology Indicators: cators (minimum of c  Water (A1)   | soils indica   | ired; check all that<br>Water-Sta   | apply)<br>ained Lea   | aves (B9)   | A11) an                          | d Depleted Matrix (F   | 3) are satisfi<br>dary Indicator  | ed.<br>rs (minimum of two<br>acks (B6)  | 3200   |
| YDROLO Vetland Hy Primary Indi Surface High Wa   | are present. Hydric s  OGY  rdrology Indicators: cators (minimum of c  Water (A1) ater Table (A2)  | soils indica   | i <u>ired: check all that</u><br>Water-Sta<br>Aquatic Fi  | apply)<br>ained Lea<br>auna (B1   | aves (B9)   | A11) an                          | d Depleted Matrix (F   | dary Indicator<br>rface Soil Cr<br>ainage Patter  | rs (minimum of two<br>acks (B6)<br>rns (B10)  | 3200   |
| YDROLO YUROLO Yetland Hy Primary Indi Surface High Wa Saturati   | are present. Hydric solutions: cators (minimum of cators (Water (A1) ater Table (A2) on (A3)   | soils indica   | i <u>ired: check all that</u><br>Water-Sta<br>Aquatic Fi<br>True Aqua   | apply)<br>ained Lea<br>auna (B1<br>atic Plani   | aves (B9)<br>3)<br>ss (B14)   |                                  | d Depleted Matrix (F   | dary Indicator<br>rface Soil Cr<br>ainage Patter<br>y-Season Wa   | rs (minimum of two<br>acks (B6)<br>rns (B10)<br>ater Table (C2)   | 3200   |
| YDROLO YURAN Hydric solls  YDROLO Vetland Hy rimary Indi Surface High Wa Saturati Water M  | are present. Hydric solutions: cators (minimum of comparts) atter Table (A2) on (A3) flarks (B1)   | soils indica   | iired: check all thatWater-Sta<br>Aquatic Fi<br>True Aqua<br>Hydrogen   | apply)<br>ained Lea<br>auna (B1<br>atic Plan<br>Sulfide   | aves (B9)<br>3)<br>ss (B14)<br>Odor (C1   | )                                | d Depleted Matrix (F   | dary Indicator<br>face Soil Cr<br>ainage Patter<br>y-Season Wa<br>ayfish Burrow   | rs (minimum of two<br>acks (B6)<br>rns (B10)<br>ater Table (C2)<br>vs (C8)  | o requ |
| Pemarks: Pydric soils  YDROLC  Vetland Hy Surface High Wat Saturati Water M Sedimei  | are present. Hydric s  OGY  drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) flarks (B1) nt Deposits (B2)   | soils indica   | iired; check all that  Water-Ste  Aquatic Fi  True Aqua Hydrogen Oxidized I   | apply)<br>ained Lea<br>auna (B1<br>atic Plan<br>Sulfide<br>Rhizosph   | aves (B9)<br>3)<br>ss (B14)<br>Odor (C1<br>teres on I   | )<br>Living R                    | d Depleted Matrix (F   | dary Indicator<br>rface Soil Cr<br>ainage Patter<br>y-Season Wa<br>ayfish Burrow<br>turation Visib                                  | rs (minimum of two<br>acks (B6)<br>rns (B10)<br>ater Table (C2)<br>vs (C8)<br>ole on Aerial Image   | o requ |
| Pemarks: Hydric soils  YDROLC  Vetland Hy Primary India Surface High Water No Sedimed Drift Del  | are present. Hydric s  OGY  Idrology Indicators: cators (minimum of c  Water (A1) ater Table (A2) on (A3) farks (B1) nt Deposits (B2) posits (B3)  | soils indica   | ired: check all that  Water-Sta  Aquatic F:  True Aqua  Hydrogen  Oxidized I  | apply)<br>ained Lea<br>auna (B1<br>atic Plan<br>Sulfide<br>Rhizosph<br>of Redu                              | aves (B9)<br>3)<br>ss (B14)<br>Odor (C1<br>aeres on I<br>ced Iron (                                       | )<br>Living R<br>C4)             | Secon Su Dr Dr Cr Cr Soots (C3) Sa   | dary Indicator<br>rface Soil Crainage Patter<br>y-Season Wa<br>ayfish Burrow<br>turation Visib<br>unted or Stre                     | rs (minimum of two<br>acks (B6)<br>rns (B10)<br>ater Table (C2)<br>vs (C8)<br>ble on Aerial Image<br>ssed Plants (D1)                             | o requ |
| YDROLO Vetland Hy Primary Indi Surface High W Saturati Water N Sedimee Drift Dej Algal Me  | are present. Hydric s  OGY  Indrology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) farks (B1) nt Deposits (B2) cosits (B3) at or Crust (B4)   | soils indica   | ired: check all that  Water-Sta  Aquatic F:  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iro  | apply)<br>ained Lea<br>auna (B1<br>atic Plan<br>Sulfide<br>Rhizosph<br>of Redu<br>on Reduc                  | aves (B9)<br>3)<br>is (B14)<br>Odor (C1<br>ieres on I<br>ced Iron (                                       | )<br>Living R<br>C4)             | Secon Su Dr Cr Cr Coots (C3) Ss St Sts Sc(C6) Ge   | dary Indicator rface Soil Cr ainage Patter y-Season Wa ayfish Burrow turation Visib unted or Stre                                   | rs (minimum of two<br>acks (B6)<br>rns (B10)<br>ater Table (C2)<br>vs (C8)<br>ble on Aerial Image<br>ssed Plants (D1)<br>ssition (D2)             | o requ |
| YDROLO Vetland Hy rimary Indi Surface High Wa Saturati Water N Sedimel Drift Del Algal Ma  | are present. Hydric s  OGY  Indrology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) farks (B1) at Deposits (B2) cosits (B3) at or Crust (B4) cosits (B5)   | one is requ  | ired: check all that  Water-Sta  Aquatic F:  True Aqua  Hydrogen  Oxidized I  Presence  Recent Ird  | apply) ained Lea auna (B1 atic Plant Sulfide Rhizosph of Redu on Redu c Surface                             | aves (B9) 3) is (B14) Odor (C1) eres on I ced Iron ( ction in Ti e (C7)                                   | )<br>Living R<br>C4)             | Secon Su Dr Cr Cr Coots (C3) Ss St Sts Sc(C6) Ge   | dary Indicator<br>rface Soil Crainage Patter<br>y-Season Wa<br>ayfish Burrow<br>turation Visib<br>unted or Stre                     | rs (minimum of two<br>acks (B6)<br>rns (B10)<br>ater Table (C2)<br>vs (C8)<br>ble on Aerial Image<br>ssed Plants (D1)<br>ssition (D2)             | o requ |
| YDROLO  Yetland Hy rimary Indi Surface High Water N Sedimel Drift Del Algal Ma Iron Dep Inundati   | are present. Hydric solutions are present. Hydric solutions are present. Hydric solutions (All present the present | one is requ  | ired; check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iro  Thin Muck  7)  Gauge or                 | apply) ained Lea auna (B1 atic Plant Sulfide Rhizosph of Redu on Redu c Surface Well Da                     | aves (B9) 3) is (B14) Odor (C1 heres on I ced Iron ( ction in Ti e (C7) ta (D9)                           | )<br>Living R<br>C4)             | Secon Su Dr Cr Cr Coots (C3) Ss St Sts Sc(C6) Ge   | dary Indicator rface Soil Cr ainage Patter y-Season Wa ayfish Burrow turation Visib unted or Stre                                   | rs (minimum of two<br>acks (B6)<br>rns (B10)<br>ater Table (C2)<br>vs (C8)<br>ble on Aerial Image<br>ssed Plants (D1)<br>ssition (D2)             | o requ |
| YDROLO Vetland Hy Virimary Indi Surface High W Saturati Water N Sedimel Drift Del Algal Mi Iron Der Inundati Sparsel   | are present. Hydric solutions (A1) after Table (A2) on (A3) arks (B1) on (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial Ity Vegetated Concave  | one is requ  | ired; check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iro  Thin Muck  7)  Gauge or                 | apply) ained Lea auna (B1 atic Plant Sulfide Rhizosph of Redu on Redu c Surface Well Da                     | aves (B9) 3) is (B14) Odor (C1 heres on I ced Iron ( ction in Ti e (C7) ta (D9)                           | )<br>Living R<br>C4)             | Secon Su Dr Cr Cr Coots (C3) Ss St Sts Sc(C6) Ge   | dary Indicator rface Soil Cr ainage Patter y-Season Wa ayfish Burrow turation Visib unted or Stre                                   | rs (minimum of two<br>acks (B6)<br>rns (B10)<br>ater Table (C2)<br>vs (C8)<br>ble on Aerial Image<br>ssed Plants (D1)<br>ssition (D2)             | o requ |
| YDROLO Vetland Hy Primary Indie Surface High Wa Saturati Water M Sedimel Drift Del Algal M Iron Dep Inundati Sparsel'  | are present. Hydric solutions are present. Hydric solutions are present. Hydric solutions are present. Hydric solutions (A1) and (A2) are present (A2) and (A3) are present (B2) are present (B3) at or Crust (B4) posits (B5) on Visible on Aerial In a Vegetated Concave evations:   | one is required the same is required to the same is re | ired: check all that  Water-Sta  Aquatic F:  True Aqua  Hydrogen  Oxidized I  Presence  Recent Ird  Thin Muck  7)  Gauge or  B8)  Other (Ex | apply) ained Lea auna (B' atic Plani Sulfide Rhizosph of Redu on Redu c Surface Well Da plain in F          | aves (B9) 3) is (B14) Odor (C1 eres on led fron (C1) ction in Tie (C7) ta (D9) Remarks)                   | )<br>Living R<br>C4)             | Secon Su Dr Cr Cr Coots (C3) Ss St Sts Sc(C6) Ge   | dary Indicator rface Soil Cr ainage Patter y-Season Wa ayfish Burrow turation Visib unted or Stre                                   | rs (minimum of two<br>acks (B6)<br>rns (B10)<br>ater Table (C2)<br>vs (C8)<br>ble on Aerial Image<br>ssed Plants (D1)<br>ssition (D2)             | o requ |
| YDROLO Vetland Hy Primary Indie Surface High Wa Saturati Water M Sedimel Drift Del Algal M Iron Dep Inundati Sparsel'  | are present. Hydric s  OGY  Idrology Indicators: cators (minimum of  | one is required the same is required to the same is re | ired; check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iro  Thin Muck  7)  Gauge or                 | apply) ained Lea auna (B1 atic Plani Sulfide Rhizosph of Redu c Surface Well Da plain in F                  | aves (B9) 3) is (B14) Odor (C1 heres on I ced Iron ( ction in Ti e (C7) ta (D9)                           | )<br>Living R<br>C4)             | Secon Su Dr Cr Cr Coots (C3) Ss St Sts Sc(C6) Ge   | dary Indicator rface Soil Cr ainage Patter y-Season Wa ayfish Burrow turation Visib unted or Stre                                   | rs (minimum of two<br>acks (B6)<br>rns (B10)<br>ater Table (C2)<br>vs (C8)<br>ble on Aerial Image<br>ssed Plants (D1)<br>ssition (D2)             | o requ |
| YDROLC Vetland Hy Primary Indi Surface High Wa Saturati Water M Sedimen Drift Del Iron Der Inundati Sparsel  | are present. Hydric solutions: cators (minimum of  | magery (Bessure)   | ired: check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Ird  Thin Much  7)  Gauge or  B8)  Other (Ex | apply) ained Lea auna (B1 atic Plant Sulfide Rhizosph of Redu or Redu or Surface Well Da plain in f         | aves (B9) 3) is (B14) Odor (C1 eres on I ced Iron ( bition in Ti e (C7) Ia (D9) Remarks) nches): _nches): | )<br>Living R<br>C4)<br>Iled Soi | Secon Su Dr Cr Cr Coots (C3) Ss St Sts Sc(C6) Ge   | dary Indicator<br>rface Soil Cr<br>ainage Patter<br>y-Season Wa<br>ayfish Burrow<br>turation Visib<br>unted or Stre<br>comorphic Po | rs (minimum of two<br>acks (B6)<br>rns (B10)<br>ater Table (C2)<br>vs (C8)<br>ble on Aerial Image<br>ssed Plants (D1)<br>ssition (D2)<br>sst (D5) | o real |
| YDROLC Vetland Hy Primary Indi Surface High Wa Saturati Water N Sedimei Drift Dei Algal Mi Iron Dei Iron Dei Iron Dei Sparsel' Field Obsei Surface Wa Vater Table Saturation F | are present. Hydric solutions: cators (minimum of  | magery (B  | ired: check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Ird  Thin Muck  7) Gauge or  Other (Ex       | apply) ained Lea auna (B1 atic Plant Sulfide Rhizosph of Redu or Redu or Surface Well Da plain in f         | aves (B9) 3) is (B14) Odor (C1 eres on I ced Iron ( tition in Ti e (C7) ta (D9) Remarks) nches): _        | )<br>Living R<br>C4)<br>Iled Soi | Secon Substituting Seconds (C3) Substituting | dary Indicator<br>rface Soil Cr<br>ainage Patter<br>y-Season Wa<br>ayfish Burrow<br>turation Visib<br>unted or Stre<br>comorphic Po | rs (minimum of two<br>acks (B6)<br>rns (B10)<br>ater Table (C2)<br>vs (C8)<br>ble on Aerial Image<br>ssed Plants (D1)<br>ssition (D2)<br>sst (D5) | requ   |
| YDROLC Vetland Hy Primary Indi Surface High Water M Sedimei Drift Dei Algal Mai Iron Der Inundatei Sparasei Surface Wa Vater Table Saturation F Includes ca                    | are present. Hydric solutions: cators (minimum of complete (A2) on (A3) darks (B1) at or Crust (B4) posits (B5) on Visible on Aerial Ity Vegetated Concave (vations: ter Present? Yee Present? Yee Present? Yee present?   | magery (B  | ired: check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Irc  Thin Muck  7) Gauge or  B8) Other (Ex   | apply) ained Lea auna (B1 atic Plant Sulfide Rhizosph of Redu or Surface Well Da plain in F Depth ( Depth ( | aves (B9) 3) s (B14) Odor (C1) teres on led (C7) ta (D9) Remarks) nches): nches): nches):                 | )<br>Living R<br>C4)<br>Iled Soi | Secon Su Dr Cr Cr Soots (C3) St St St St St Wetland Hydro  | dary Indicator<br>rface Soil Cr<br>ainage Patter<br>y-Season Wa<br>ayfish Burrow<br>turation Visib<br>unted or Stre<br>comorphic Po | rs (minimum of two<br>acks (B6)<br>rns (B10)<br>ater Table (C2)<br>vs (C8)<br>ble on Aerial Image<br>ssed Plants (D1)<br>ssition (D2)<br>sst (D5) | o requ |
| YDROLC Vetland Hy rrimary Indi Surface High Wa Saturati Water M Sedimei Drift Dei Iron Deg Inundati Sparatel ield Obseiurface Wa vater Table iaturation F noludes ca           | are present. Hydric solutions: cators (minimum of of of other than the cators) darks (B1) ater Table (A2) on (A3) darks (B1) ater Table (B2) cosits (B3) at or Crust (B4) cosits (B5) on Visible on Aerial In y Vegetated Concave rvations: ter Present? Ye  | magery (B  | ired: check all that  Water-Sta  Aquatic Fi  True Aqua  Hydrogen  Oxidized I  Presence  Recent Irc  Thin Muck  7) Gauge or  B8) Other (Ex   | apply) ained Lea auna (B1 atic Plant Sulfide Rhizosph of Redu or Surface Well Da plain in F Depth ( Depth ( | aves (B9) 3) s (B14) Odor (C1) teres on led (C7) ta (D9) Remarks) nches): nches): nches):                 | )<br>Living R<br>C4)<br>Iled Soi | Secon Su Dr Cr Cr Soots (C3) St St St St St Wetland Hydro  | dary Indicator<br>rface Soil Cr<br>ainage Patter<br>y-Season Wa<br>ayfish Burrow<br>turation Visib<br>unted or Stre<br>comorphic Po | rs (minimum of two<br>acks (B6)<br>rns (B10)<br>ater Table (C2)<br>vs (C8)<br>ble on Aerial Image<br>ssed Plants (D1)<br>ssition (D2)<br>sst (D5) | requ   |

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| U.S. Army Corps of   | ************************************** |                |                           | Require  | ment Control                    | Symbol                  | ĺ                |
|--|--|----------------|---------------------------|--|---------------------------------|-------------------------|------------------|
| WETLAND DETERMINATION DATA  See ERDC/EL TR-07-24; the propone  |  |                | 17.5                      | (Authority: A  | EXEMPT<br>R 335-15, para        | agraph !                | 5-2a)            |
| CCC ENDOISE THE OF 21, the proports  | ent agency                             | IC CLOVY       | 30 11                     | (radinority)   | 7, 000 70, part                 | grapir                  |                  |
| Project/Site: Chicago O'Hare International Airport (OF   | RD)                                    | City/Cou       | nty: Chicago/             | provide any control                                    | <b>—</b> »                      |                         |                  |
| Applicant/Owner: City of Chicago   | W 1000 OF 1000                         | 5707 6700 06   | r v0000 105               | State: IL  | A 65                            | int: SE19               | 3-48 WE          |
| Investigator(s): Brauna Hartzell, Kim Shannon, Mead  | & Hunt, Inc.                           | Section, T     | ownship, Ran              | ge: Section 17, T4                                     | 0N, R12E                        |                         |                  |
| Landform (hillside, terrace, etc.): shallow swale  |  |                | ocal relief (co           | oncave, convex, non                                    | e): concave                     |                         |                  |
|  |  |                |                           |  |                                 | 4                       |                  |
| Soil Map Unit Name: 805A - Orthents, clayey, nearly I  | evel (Predon                           | ninantly Non-h | ydric (6%))               | NWI cla  | ssification: PEM                |                         |                  |
| Are climatic / hydrologic conditions on the site typical   | for this time                          | of year?       | Yes X                     | No (If no,   | explain in Remark               | s.)                     |                  |
| Are Vegetation $X$ , Soil $X$ , or Hydrology $X$   | significantly                          | disturbed? A   | re "Normal Ci             | rcumstances" prese                                     | nt? Yes                         | No_X                    | _                |
| Are Vegetation, Soil, or Hydrology   | naturally pro                          | blematic? (I   | f needed, exp             | lain any answers in                                    | Remarks.)                       |                         |                  |
| SUMMARY OF FINDINGS - Attach site m  | nap showi                              | ng samplin     | g point loc               | ations, transec  | ts, important                   | features                | s, etc           |
| Hydric Soil Present? Yes X   | lo                                     |                | Sampled Are<br>a Wetland? |  | No                              |                         |                  |
| Surface Control of the Control of th | lo                                     |                |                           |  |                                 |                         |                  |
| Remarks: Area mown regularly with recent disturbance from m  VEGETATION – Use scientific names of pla  | 970 0                                  | ions creating  | soil ruts throug          | ghout and altered hy                                   | drology due to rut              | S.                      |                  |
| · ·  | Absolute                               | Dominant       | Indicator                 |  |                                 |                         |                  |
| Tree Stratum (Plot size:)  | % Cover                                | Species?       | Status                    | Dominance Test   | worksheet:                      |                         |                  |
| 1.   | u <del>a </del>                        |                |                           | Number of Domina                                       |                                 | 27                      | (4)              |
| 2.<br>3.   |  |                |                           | Are OBL, FACW, o                                       |                                 | 1                       | _ <sup>(A)</sup> |
| 4.   |  |                |                           | Total Number of D<br>Across All Strata:                | ominant Species                 | 1                       | (B)              |
| 5.   |  |                |                           | Percent of Domina                                      | nt Species That                 |                         |                  |
|  |  | =Total Cover   | 3.                        | Are OBL, FACW, o                                       |                                 | 100.0%                  | _(A/B)           |
| Sapling/Shrub Stratum (Plot size:  | )                                      |                |                           |  |                                 |                         |                  |
| 1.   |  |                |                           | Prevalence Index                                       |                                 | Eller Lee               |                  |
| 2.   |  |                |                           | Total % Cove OBL species                               | 100 x 1 =                       | tiply by:<br>100        | _                |
| 3  | 9 2                                    |                |                           | FACW species   | 0 x2=                           | 0                       | -                |
| 5.   |  |                |                           | FAC species  | 0 x 3 =                         | 0                       | _                |
| *  |  | =Total Cover   |                           | FACU species   | 0 x 4 =                         | 0                       | _                |
| Herb Stratum (Plot size: 5ft )   | (a)                                    |                |                           | UPL species  | 0 x 5 =                         | 0                       | _                |
| Eleocharis obtusa  | 80                                     | Yes            | OBL                       | Column Totals:   |                                 | 100                     | <b>-</b> (B)     |
| 2. Typha angustifolia  | 15                                     | No             | OBL                       | Prevalence Inde  | ex = B/A =                      | 1.00                    | _                |
| 3. Schoenoplectus tabernaemontani  | 3 2                                    | No No          | OBL                       | Headman beatle Mana                                    |                                 |                         |                  |
| Schoenoplectus fluviatilis     .   |  | No             | OBL_                      | Hydrophytic Vege<br>X 1 - Rapid Test                   |                                 |                         |                  |
| 6.   |  |                |                           | X 2 - Dominance  | 3 1 21                          | egeration               |                  |
| 7.   | G <del>)</del>                         |                |                           | X 3 - Prevalence                                       |                                 |                         |                  |
| 8.   | · ·                                    |                |                           |  | cal Adaptations <sup>1</sup> (F | Provide su              | pportin          |
| 9.   |  |                |                           | data in Rem  | arks or on a sepai              | rate sheet)             | )                |
| 10   |  |                |                           | Problematic H  | ydrophytic Vegetat              | tion <sup>1</sup> (Expl | ain)             |
| Woody Vine Stratum (Plot size:   | 100                                    | =Total Cover   |                           | <sup>1</sup> Indicators of hydri<br>be present, unless |                                 |                         | / must           |
| 1.   | e <del></del>                          |                | <del></del>               | Hydrophytic  |                                 |                         |                  |
| 2.   |  |                |                           | Vegetation   |                                 |                         |                  |
|  |  | =Total Cover   |                           | 200 m - 100 m 100 m 100 m                              | es X No                         |                         |                  |

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| SOIL   |             |  |              |             |           |                          | Sampling Point: SE              | 19-48 W |
|--|-------------|--|--------------|-------------|-----------|--------------------------|---------------------------------|---------|
| Profile Description: (Describe   | to the de   | pth needed to doc  | ument t      | he indic    | ator or o | confirm the absence      | of indicators.)                 |         |
| Depth Matrix   |             | Redo   | x Featu      |             |           |                          |                                 |         |
| (inches) Color (moist)   | %           | Color (moist)  | %            | Type        | Loc       | Texture                  | Remarks                         |         |
| 0-4 10YR 2/1   | 95          | 5YR 4/6  | 5            | С           | PL/M      | Loamy/Clayey             | Prominent redox concentr        | rations |
| 4-10 7.5YR 3/1   | 95          | 7.5YR 4/6  | 5            | C           | PL/M      | Loamy/Clayey             | Prominent redox concentr        | rations |
| 10-16 7.5YR 3/1  | 70          |  |              |             |           | Loamy/Clayey             |                                 |         |
| 7.5YR 5/3  | 30          |  |              | . —         | -         | Loamy/Clayey             | clay loam                       |         |
|  | -           |  | —            | . —         |           | 8                        | -                               |         |
|  |             |  |              |             |           |                          |                                 |         |
| <sup>1</sup> Type: C=Concentration, D=Dep  | oletion, RM | 1=Reduced Matrix,  | MS=Mas       | ked San     | d Grains  |                          | : PL=Pore Lining, M=Matrix.     |         |
| Hydric Soil Indicators:  |             |  |              |             |           | Indicator                | rs for Problematic Hydric So    | ils³:   |
| Histosol (A1)  |             | Sandy Gle  | eyed Mat     | trix (S4)   |           | Coas                     | st Prairie Redox (A16)          |         |
| Histic Epipedon (A2)   |             | Sandy Re   | dox (S5)     | )           |           | Iron-I                   | Manganese Masses (F12)          |         |
| Black Histic (A3)  |             | Stripped N   | Matrix (S    | 6)          |           | Red                      | Parent Material (F21)           |         |
| Hydrogen Sulfide (A4)  |             | Dark Surf  |              |             |           |                          | Shallow Dark Surface (F22)      |         |
| Stratified Layers (A5)   |             | Loamy Mu   |              |             |           |                          | r (Explain in Remarks)          |         |
| 2 cm Muck (A10)  |             | Loamy Gl   |              |             |           |                          | (                               |         |
| Depleted Below Dark Surface  | e (A11)     | Depleted   |              |             |           |                          |                                 |         |
| Thick Dark Surface (A12)   |             | X Redox Da   | TO 100000 IN | 401075.00   |           | 3Indicator               | s of hydrophytic vegetation an  | nd      |
| Sandy Mucky Mineral (S1)   |             | ——<br>Depleted   |              | 2 2         | )         |                          | and hydrology must be present   |         |
| 5 cm Mucky Peat or Peat (S   | 3)          | Redox De   |              |             |           |                          | ss disturbed or problematic.    | 5       |
| Remarks:<br>Oxidized rhizospheres within top<br>profile intact and not disturbed b | _           | s of soil profile. Hyd   | dric soils   | are prese   | ent. Hyd  | dric soils indicators Re | dox Below Dark Surface (F6).    | Soil    |
| HYDROLOGY  |             |  |              |             |           |                          |                                 |         |
| Wetland Hydrology Indicators   | •           |  |              |             |           |                          |                                 |         |
| Primary Indicators (minimum of   | one is requ | and the same of th |              |             |           | <u>Secondar</u>          | ry Indicators (minimum of two   | require |
| Surface Water (A1)   |             | Water-Sta  | ained Lea    | aves (B9)   |           | Surfa                    | ace Soil Cracks (B6)            |         |
| High Water Table (A2)  |             | Aquatic F  |              |             |           |                          | age Patterns (B10)              |         |
| Saturation (A3)  |             | True Aqua  | atic Plan    | ts (B14)    |           | Dry-S                    | Season Water Table (C2)         |         |
| Water Marks (B1)   |             | Hydrogen   | Sulfide      | Odor (C1    | )         | Cray                     | fish Burrows (C8)               |         |
| Sediment Deposits (B2)   |             | X Oxidized   | Rhizosph     | neres on    | Living R  | oots (C3) Satur          | ration Visible on Aerial Imager | y (C9)  |
| Drift Deposits (B3)  |             | Presence   | of Redu      | ced Iron    | (C4)      | Stunt                    | ted or Stressed Plants (D1)     |         |
| Algal Mat or Crust (B4)  |             | Recent Iro   | on Reduc     | ction in Ti | lled Soil | ls (C6) X Geor           | norphic Position (D2)           |         |
| Iron Deposits (B5)   |             | Thin Mucl  | Surface      | e (C7)      |           | X FAC-                   | Neutral Test (D5)               |         |
| Inundation Visible on Aerial   |             |  | Well Da      | ta (D9)     |           |                          |                                 |         |
| Sparsely Vegetated Concav  | e Surface   | (B8) Other (Ex   | plain in F   | Remarks)    |           |                          |                                 |         |
| Field Observations:  |             |  |              |             |           |                          |                                 |         |
| Surface Water Present? Yes   | es          | No X   | Depth (      | inches):    |           |                          |                                 |         |
| Water Table Present? Yes   | es          | No X   | Depth (      | inches):    |           |                          |                                 |         |
| Saturation Present? Y  | es          | No X   | Depth (      | inches):    |           | Wetland Hydrolog         | gy Present? Yes X               | No      |
|  |             |  |              |             |           |                          |                                 |         |
| (includes capillary fringe)  |             |  | 10 10 17     | - 10        |           | TO 100 TO 100            |                                 |         |
| (includes capillary fringe)<br>Describe Recorded Data (strean                      | n gauge, m  | nonitoring well, aeria   | al photos    | s, previou  | s inspec  | ctions), if available:   |                                 |         |
| Describe Recorded Data (stream   | n gauge, m  | nonitoring well, aeria   | al photos    | s, previou  | s inspec  | ctions), if available:   |                                 |         |
| Describe Recorded Data (stream Remarks:  | n gauge, m  | nonitoring well, aeria   | al photos    | s, previou  | s inspec  | ctions), if available:   |                                 |         |
| Describe Recorded Data (strean   | n gauge, m  | nonitoring well, aeria   | al photos    | s, previou  | s inspec  | tions), if available:    |                                 |         |

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| U.S. Army Corps of  | Engineers                             | <b>S</b>             | 80                  | Requirement Control Symbol  |
|---|---------------------------------------|----------------------|---------------------|---|
| WETLAND DETERMINATION DATA                                  |                                       |                      | 175                 | EXEMPT  |
| See ERDC/EL TR-07-24; the propone                           | ent agency                            | is CECW-             | CO-R                | (Authority: AR 335-15, paragraph 5-2a)  |
| Project/Site: Chicago O'Hare International Airport (OR      | D)                                    | City/Cou             | nty: Chicago/       | Cook Sampling Date: 8/16/2019   |
| Applicant/Owner: City of Chicago                            |                                       |                      |                     | State: IL Sampling Point: SE19-53 UPL   |
| Investigator(s): Brauna Hartzell, Kim Shannon, Mead 8       | k Hunt, Inc.                          | Section, 1           | ownship, Ran        | ge: Section 16, T40N, R12E  |
| Landform (hillside, terrace, etc.): midslope                |                                       |                      |                     | oncave, convex, none): convex   |
| Slope (%): 5 Lat: 41.96390156                               |                                       | Long: -              | 87.8846039          | Datum: WGS84  |
| Soil Map Unit Name: 805A - Orthents, clayey, nearly le      | evel (Predomi                         |                      |                     |   |
| Are climatic / hydrologic conditions on the site typical t  |                                       |                      | Yes X               |   |
| Are Vegetation X , Soil , or Hydrology                      |                                       |                      |                     |   |
| Are Vegetation, Soil, or Hydrology                          |                                       |                      |                     |   |
|   |                                       |                      |                     |   |
| SUMMARY OF FINDINGS - Attach site in                        | ap snowin                             | ig sampiin           | ig point ioc        | cations, transects, important features, etc.  |
| Hydrophytic Vegetation Present? Yes N                       | o X                                   | Is the               | Sampled Are         | ea e  |
|   | <u> </u>                              | within               | n a Wetland?        | Yes No _X   |
| Wetland Hydrology Present? Yes N                            | o_X_                                  |                      |                     |   |
| Remarks:  |                                       |                      |                     |   |
| Area mown regularly.  |                                       |                      |                     |   |
|   | 7                                     |                      |                     |   |
| VEGETATION – Use scientific names of pla                    |                                       | B                    | to alto akon T      |   |
| <u>Tree Stratum</u> (Plot size: )                           | Absolute<br>% Cover                   | Dominant<br>Species? | Indicator<br>Status | Dominance Test worksheet:   |
| 1.  |                                       |                      |                     | Number of Dominant Species That   |
| 2.  |                                       |                      |                     | Are OBL, FACW, or FAC: 0 (A)  |
| 3.  |                                       |                      |                     | Total Number of Dominant Species  |
| 4   |                                       |                      |                     | Across All Strata: 1 (B)  |
| 5   | <del></del>                           | -Tetal Causer        |                     | Percent of Dominant Species That  |
| Sapling/Shrub Stratum (Plot size:                           | ·——-                                  | =Total Cover         |                     | Are OBL, FACW, or FAC: 0.0% (A/B)   |
| 1.  | <i>'</i>                              |                      |                     | Prevalence Index worksheet:   |
| 2.  | -                                     |                      |                     | Total % Cover of: Multiply by:  |
| 3.  |                                       |                      |                     | OBL species 0 x 1 = 0   |
| 4.  |                                       |                      |                     | FACW species 0 x 2 = 0  |
| 5   |                                       |                      |                     | FAC species0 x 3 =0   |
| Heat Official (District)                                    |                                       | =Total Cover         |                     | FACU species 100 x 4 = 400<br>UPL species 0 x 5 = 0   |
| Herb Stratum (Plot size: 5ft )  1. Schedonorus arundinaceus | 88                                    | Yes                  | FACU                | UPL species 0 x 5 = 0  Column Totals: 100 (A) 400 (B)   |
| Trifolium repens  | 5                                     | No                   | FACU                | Prevalence Index = B/A = 4.00   |
| Ambrosia artemisiifolia                                     | 3                                     | No                   | FACU                |   |
| Plantago lanceolata   | 2                                     | No                   | FACU                | Hydrophytic Vegetation Indicators:  |
| 5. Taraxacum officinale                                     | 2                                     | No                   | FACU                | 1 - Rapid Test for Hydrophytic Vegetation   |
| 6.  |                                       |                      |                     | 2 - Dominance Test is >50%  |
| 7.  |                                       |                      |                     | 3 - Prevalence Index is ≤3.01   |
| 8.<br>9.  |                                       | <del></del>          |                     | <ul> <li>4 - Morphological Adaptations<sup>1</sup> (Provide supporting<br/>data in Remarks or on a separate sheet)</li> </ul> |
| 10.   | -                                     |                      |                     | Problematic Hydrophytic Vegetation (Explain)  |
|   | 100 =                                 | =Total Cover         |                     | Indicators of hydric soil and wetland hydrology must  |
| Woody Vine Stratum (Plot size:                              | )                                     | mandatar manadata    |                     | be present, unless disturbed or problematic.  |
| 1b  | ·                                     |                      |                     | Hydrophytic   |
| 2.  | · · · · · · · · · · · · · · · · · · · |                      |                     | Vegetation  |
|   |                                       | =Total Cover         |                     | Present?  |
| Remarks: (Include photo numbers here or on a sepa           |                                       |                      |                     |   |
| Community Type: developed land HGM Type: N/A Hydro          | pnytic vegetatio                      | on is not preser     | ıt. Data point is a | approx 1ft higher and 20ft south of paired wetland data point.  |
| ENG FORM 6116-7-SG, JUL 2018                                |                                       |                      |                     | Midwest - Version 2.  |

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| Donth  | north-industrial Meta-Country of the   | to the dep   | oth needed to doc  |   |  | atol OL (                           | communitie abse  | nee of male   | , at UI 5. j   |                      |
|--|--|--|--|---|--|-------------------------------------|--|---|--|----------------------|
| Depth  | Matrix   | - 0/   | The same and the s | x Featur  |  | Loo <sup>2</sup>                    | T14  |   | Damania  |                      |
| (inches)   | Color (moist)  | <u>%</u>   | Color (moist)  | %   | Type   | Loc                                 | Texture  |   | Remarks  |                      |
| 0-10   | 7.5YR 3/1  | 100  | moreovanos somesti   | 7 (7  | 1000   | -                                   | Loamy/Claye  | 10000   |  | 03 2000              |
| 10-16  | 10YR 4/1   | 80   | 10YR 5/6   |   |  | M_                                  | Loamy/Claye  | y Pro   | ominent redox conce  | ntration             |
|  |  |  | 9  | -   |  |                                     |  | - 1   | layer above is cl  | ay                   |
|  |  |  |  |   |  |                                     |  |   |  |                      |
| Type: C=C  | oncentration, D=Dep  | letion, RM   | =Reduced Matrix,   | MS=Mas  | ked Sand   | d Grains                            | Loc  | ation: PL=P   | ore Lining, M=Matri:   | ζ.                   |
| Hydric Soil  |  |  |  |   |  |                                     |  |   | roblematic Hydric  |                      |
| Histosol   | (A1)   |  | Sandy Gle  | eyed Mat  | rix (S4)   |                                     |  | Coast Prairie   | e Redox (A16)  |                      |
| Histic E   | pipedon (A2)   |  | Sandy Re   | dox (S5)  |  |                                     |  | ron-Mangan  | ese Masses (F12)   |                      |
| Black Hi   | stic (A3)  |  | Stripped I   | Matrix (Si  | 3)   |                                     |  | Red Parent I  | Material (F21)   |                      |
| Hydroge  | n Sulfide (A4)   |  | Dark Surf  | ace (S7)  |  |                                     |  | Very Shallow  | v Dark Surface (F22  | )                    |
| Stratified   | d Layers (A5)  |  | Loamy Mu   | icky Min  | eral (F1)  |                                     |  | Other (Expla  | in in Remarks)   |                      |
| _  | ick (A10)  |  | Loamy Gl   |   |  |                                     | _  |   |  |                      |
| Action Code Sports   | d Below Dark Surface   | (A11)  | X Depleted   |   |  |                                     |  |   |  |                      |
| 2012000 10 10000   | ark Surface (A12)  |  | Redox Da   |   |  |                                     | <sup>3</sup> Indi  | cators of hyd   | drophytic vegetation   | and                  |
| _  | lucky Mineral (S1)   |  | ——<br>Depleted   |   | 9 5  | ß                                   |  | 8   | rology must be prese   |                      |
|  | icky Peat or Peat (S3  | 3)   | Redox De   |   |  |                                     |  | 1000  | rbed or problematic.   | 31                   |
| Restrictive  | Layer (if observed):   |  |  |   |  |                                     |  |   | ***************************************  |                      |
| Type:  |  |  |  |   |  |                                     |  |   |  |                      |
| Type:  |  |  |  |   |  |                                     |  |   |  |                      |
| Depth (ii  | are present. Hydrics   | soils indica   | ators Depleted Belo  | ow Dark \$  | Surface (  | A11) an                             | <b>Hydric Soil Pre</b>   |   | Yes X  | No _                 |
| Depth (ii  |  | soils indica   | ators Depleted Belo  | ow Dark \$  | Surface (  | A11) an                             | 000-000000 001/000000 001  |   | 2000 pp  | No _                 |
| Depth (ii<br>Remarks:<br>Hydric soils  | are present. Hydric s  | soils indica   | ators Depleted Belo  | ow Dark \$  | Surface (,   | A11) an                             | 000-000000 001/000000 001  |   | 2000 pp  | No_                  |
| Depth (ii<br>Remarks:<br>Hydric soils<br>HYDROLO<br>Wetland Hy   | are present. Hydric s  |  |  |   | Surface (,   | A11) an                             | d Depleted Matrix  | (F3) are sat  | isfied.  | 3336                 |
| Depth (ii<br>Remarks:<br>Hydric soils<br>HYDROLC<br>Wetland Hy<br>Primary Indi   | are present. Hydric s  OGY  drology Indicators: cators (minimum of c   |  | ired; check all that   | apply)  |  |                                     | d Depleted Matrix  | (F3) are sat  | isfied.  | 3336                 |
| Depth (in Remarks: Hydric soils HYDROLC Wetland Hy Primary Indiagon)   | OGY drology Indicators: cators (minimum of c   |  | ired; check all that<br>Water-Sta  | apply)<br>ained Lea   | aves (B9)  |                                     | d Depleted Matrix  | (F3) are sat<br>ondary Indica<br>Surface Soil   | ators (minimum of tw<br>Cracks (B6)  | 3336                 |
| Depth (in Remarks: Hydric soils HYDROLC Wetland Hy Primary Indiage High Wa   | or present. Hydric solutions: cators (minimum of cators (A1) ter Table (A2)  |  | i <u>red; check all that</u><br>Water-Sta<br>Aquatic F   | apply)<br>ained Lea<br>auna (B1   | aves (B9)<br>3)  |                                     | d Depleted Matrix  | (F3) are sat<br>ondary Indica<br>Surface Soil<br>Drainage Pa  | ators (minimum of tw<br>Cracks (B6)<br>tterns (B10)  | 3336                 |
| Depth (in Remarks: Hydric soils Hydric soils HydroLC Wetland Hy Primary Indi Surface High Wa Saturatio   | drology Indicators: cators (minimum of c Water (A1) tter Table (A2) on (A3)  |  | ired: check all thatWater-SteAquatic FTrue Aqua  | apply)<br>ained Lea<br>auna (B1<br>atic Plant   | aves (B9)<br>3)<br>s (B14)   |                                     | d Depleted Matrix  | ondary Indica<br>Surface Soil<br>Drainage Pa<br>Dry-Season  | ators (minimum of two Cracks (B6) tterns (B10) Water Table (C2)  | 3336                 |
| Depth (in Remarks: Hydric soils Hydric soils Hydric soils Hydric soils Hydrary Indi Surface High Wassaturatic Water M  | drology Indicators: cators (minimum of c Water (A1) tter Table (A2) on (A3) larks (B1)   |  | ired; check all thatWater-SteAquatic F-<br>True Aqua<br>Hydrogen   | apply)<br>ained Lea<br>auna (B1<br>atic Plant<br>Sulfide (  | aves (B9)<br>3)<br>s (B14)<br>Odor (C1   | )                                   | d Depleted Matrix  | ondary Indica<br>Surface Soil<br>Drainage Pa<br>Dry-Season<br>Crayfish Bur  | ators (minimum of ty<br>Cracks (B6)<br>tterns (B10)<br>Water Table (C2)<br>rows (C8)   | vo requi             |
| Depth (in Remarks: Hydric soils High Wassaturatic Water Mysedimer  | are present. Hydric solutions: cators (minimum of compared (A2) on (A3) larks (B1) nt Deposits (B2)  |  | ired; check all that  Water-Ste  Aquatic F  True Aqua  Hydrogen  Oxidized  | apply)<br>ained Lea<br>auna (B1<br>atic Plant<br>Sulfide (<br>Rhizosph  | aves (B9)<br>3)<br>s (B14)<br>Odor (C1<br>eres on I  | )<br>Living R                       | d Depleted Matrix  Secx  oots (C3)   | ondary Indica<br>Surface Soil<br>Drainage Pa<br>Dry-Season<br>Crayfish Bur<br>Saturation V  | ators (minimum of two Cracks (B6) tterns (B10) Water Table (C2) rows (C8) fisible on Aerial Imag   | vo requi             |
| Depth (in Remarks: Hydric soils Hydric soils HydroLC Wetland Hy Primary Indi Surface High Wa Saturatic Water Mysedimer Drift Dep   | are present. Hydric s  OGY  drology Indicators: cators (minimum of o  Water (A1) ater Table (A2) on (A3) larks (B1) at Deposits (B2) posits (B3)   |  | ired: check all that  Water-Sta  Aquatic F  True Aqua  Hydrogen  Oxidized  | apply)<br>ained Lea<br>auna (B1<br>atic Plant<br>Sulfide (<br>Rhizosph<br>of Redu                                 | aves (B9)<br>3)<br>s (B14)<br>Odor (C1<br>eres on I<br>ced Iron (  | )<br>Living R<br>(C4)               | d Depleted Matrix  Seccion  oots (C3)  | ondary Indica<br>Surface Soil<br>Drainage Pa<br>Dry-Season<br>Crayfish Bur<br>Saturation V<br>Stunted or S                              | ators (minimum of two Cracks (B6) tterns (B10) Water Table (C2) rows (C8) risible on Aerial Imagetressed Plants (D1)                               | vo requi             |
| Depth (in Remarks: Hydric soils | are present. Hydric s  OGY  drology Indicators: cators (minimum of o Water (A1) tter Table (A2) on (A3) larks (B1) at Deposits (B2) oosits (B3) at or Crust (B4)   |  | ired: check all that  Water-Sta  Aquatic F  True Aqua  Hydrogen  Oxidized    Presence  Recent Ira  | apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduon   | aves (B9)<br>3)<br>s (B14)<br>Odor (C1<br>eres on I<br>ced Iron (  | )<br>Living R<br>(C4)               | Seco   | ondary Indica<br>Surface Soil<br>Drainage Pa<br>Dry-Season<br>Crayfish Bur<br>Saturation V<br>Stunted or S<br>Geomorphic                | ators (minimum of to<br>Cracks (B6)<br>tterns (B10)<br>Water Table (C2)<br>rows (C8)<br>fisible on Aerial Imageressed Plants (D1)<br>Position (D2) | vo requi             |
| Depth (in Remarks: Hydric soils HyDROLC Wetland Hy Primary Indi Surface High Water M Sedimer Drift Dep Algal Ma Iron Dep   | are present. Hydric s  OGY  drology Indicators: cators (minimum of o Water (A1) Iter Table (A2) In (A3) Iarks (B1) In Deposits (B2) In Deposits (B3) In or Crust (B4) In osits (B5)  | one is requ  | ired: check all that  Water-Sta  Aquatic F  True Aqua  Hydrogen  Oxidized I  Presence  Recent Ira  Thin Muck   | apply) ained Lea auna (B1 autic Plant Sulfide ( Rhizosph of Redu on Reduc « Surface                               | aves (B9) 3) s (B14) Odor (C1 eres on I ced Iron ( cettion in Ti e (C7)  | )<br>Living R<br>(C4)               | Seco   | ondary Indica<br>Surface Soil<br>Drainage Pa<br>Dry-Season<br>Crayfish Bur<br>Saturation V<br>Stunted or S                              | ators (minimum of to<br>Cracks (B6)<br>tterns (B10)<br>Water Table (C2)<br>rows (C8)<br>fisible on Aerial Imageressed Plants (D1)<br>Position (D2) | vo requi             |
| Depth (in Remarks: Hydric soils | are present. Hydric s  OGY  drology Indicators: cators (minimum of c Water (A1) titer Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial II  | one is requ  | ired; check all that  Water-Sta  Aquatic F  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iru  Thin Muck  7)  Gauge or   | apply) ained Lea auna (B1 autic Plant Sulfide ( Rhizosph of Reduc on Reduc ( Surface Well Dat                     | aves (B9) 3) s (B14) Odor (C1 eres on I ced Iron ( ction in Ti e (C7) ia (D9)  | )<br>Living R<br>(C4)               | Seco   | ondary Indica<br>Surface Soil<br>Drainage Pa<br>Dry-Season<br>Crayfish Bur<br>Saturation V<br>Stunted or S<br>Geomorphic                | ators (minimum of to<br>Cracks (B6)<br>tterns (B10)<br>Water Table (C2)<br>rows (C8)<br>fisible on Aerial Imageressed Plants (D1)<br>Position (D2) | vo requi             |
| Depth (in Remarks: Hydric soils | are present. Hydric solutions are present. Hydric solutions are present. Hydric solutions are present. Hydric solutions (A1) and (A2) are present (A2) are pres | one is requ  | ired; check all that  Water-Sta  Aquatic F  True Aqua  Hydrogen  Oxidized I  Presence  Recent Iru  Thin Muck  7)  Gauge or   | apply) ained Lea auna (B1 autic Plant Sulfide ( Rhizosph of Reduc on Reduc ( Surface Well Dat                     | aves (B9) 3) s (B14) Odor (C1 eres on I ced Iron ( ction in Ti e (C7) ia (D9)  | )<br>Living R<br>(C4)               | Seco   | ondary Indica<br>Surface Soil<br>Drainage Pa<br>Dry-Season<br>Crayfish Bur<br>Saturation V<br>Stunted or S<br>Geomorphic                | ators (minimum of to<br>Cracks (B6)<br>tterns (B10)<br>Water Table (C2)<br>rows (C8)<br>fisible on Aerial Imageressed Plants (D1)<br>Position (D2) | vo requi             |
| Depth (in Remarks: Hydric soils | are present. Hydric solutions are present. Hydric solutions are present. Hydric solutions are present. Hydric solutions (A1) and (A2) are present (A2) are pres | one is requ<br>magery (B<br>Surface (  | ired: check all that  Water-Sta  Aquatic F  True Aqua  Hydrogen  Oxidized I  Presence  Recent Ird  Thin Muck  7)  Gauge or  B8)  Other (Ex   | apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc on Reduc ( Surface Well Dat plain in F           | aves (B9) 3) s (B14) Odor (C1 eres on led fron (ction in Tie (C7) a (D9) Remarks)  | )<br>Living R<br>(C4)               | Seco   | ondary Indica<br>Surface Soil<br>Drainage Pa<br>Dry-Season<br>Crayfish Bur<br>Saturation V<br>Stunted or S<br>Geomorphic                | ators (minimum of to<br>Cracks (B6)<br>tterns (B10)<br>Water Table (C2)<br>rows (C8)<br>fisible on Aerial Imageressed Plants (D1)<br>Position (D2) | vo requi             |
| Depth (in Remarks: Hydric soils | are present. Hydric solutions: cators (minimum of  | magery (B<br>Surface (   | ired; check all that  Water-Sta  Aquatic F  True Aqua  Hydrogen  Oxidized  Presence  Recent Ird  Thin Muck  7)  Gauge or  B8)  Other (Ex   | apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc ( Surface ( Well Dat plain in F                  | aves (B9) 3) s (B14) Odor (C1 eres on I ced Iron ( tition in Ti e (C7) a (D9) Remarks)   | )<br>Living R<br>(C4)               | Seco   | ondary Indica<br>Surface Soil<br>Drainage Pa<br>Dry-Season<br>Crayfish Bur<br>Saturation V<br>Stunted or S<br>Geomorphic                | ators (minimum of to<br>Cracks (B6)<br>tterns (B10)<br>Water Table (C2)<br>rows (C8)<br>fisible on Aerial Imageressed Plants (D1)<br>Position (D2) | vo requi             |
| Depth (in Remarks: Hydric soils | are present. Hydric solutions: cators (minimum of or water (A1) inter Table (A2) on (A3) larks (B1) int Deposits (B2) osoits (B3) int or Crust (B4) into Crust (B4) into Consider (B5) on Visible on Aerial Into Vegetated Concave vations: cer Present? Ye Present? Ye  | magery (Besumagery (Besumagery (Besumagery (Besumagery (Besumagery (Besumagery (Besumager) | ired; check all that  — Water-Sta — Aquatic F. — True Aqua — Hydrogen — Oxidized — Presence — Recent Ird — Thin Muck  7) — Gauge or — Other (Ex  No — X — No — X   | apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc c Surface Well Dat plain in F                    | aves (B9) 3) s (B14) Odor (C1 eres on I ced Iron ( tition in Ti e (C7) a (D9) Remarks) nches): _nches):  | )<br>Living R<br>(C4)<br>Illed Soil | Seccion Seccio | ondary Indica<br>Surface Soil<br>Drainage Pa<br>Dry-Season<br>Crayfish Bur<br>Saturation V<br>Stunted or S<br>Geomorphic<br>FAC-Neutral | ators (minimum of two Cracks (B6) (tterns (B10)) (tterns (C8)) (rows (C8)) (rows (C8)) (rosed Plants (D1)) (Position (D2)) (Test (D5))             | vo requi             |
| Depth (in Remarks: Hydric soils | are present. Hydric solutions: cators (minimum of or water (A1) titer Table (A2) on (A3) larks (B1) at Deposits (B2) oosits (B3) at or Crust (B4) rosits (B5) on Visible on Aerial Ir v Vegetated Concave vations: ter Present? Ye Present? Ye present? Ye   | magery (B<br>Surface (   | ired; check all that  Water-Sta  Aquatic F  True Aqua  Hydrogen  Oxidized  Presence  Recent Ird  Thin Muck  7)  Gauge or  B8)  Other (Ex   | apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc c Surface Well Dat plain in F                    | aves (B9) 3) s (B14) Odor (C1 eres on I ced Iron ( tition in Ti e (C7) a (D9) Remarks)   | )<br>Living R<br>(C4)<br>Illed Soil | Seco   | ondary Indica<br>Surface Soil<br>Drainage Pa<br>Dry-Season<br>Crayfish Bur<br>Saturation V<br>Stunted or S<br>Geomorphic<br>FAC-Neutral | ators (minimum of two Cracks (B6) (tterns (B10)) (tterns (C8)) (rows (C8)) (rows (C8)) (rosed Plants (D1)) (Position (D2)) (Test (D5))             | vo requi             |
| Depth (in Remarks: Hydric soils | are present. Hydric solutions: cators (minimum of or water (A1) inter Table (A2) on (A3) larks (B1) int Deposits (B2) osoits (B3) int or Crust (B4) into Crust (B4) into Consider (B5) on Visible on Aerial Into Vegetated Concave vations: cer Present? Ye Present? Ye  | magery (B<br>Surface (<br>s<br>s   | ired: check all that  — Water-Sta — Aquatic F — True Aqua — Hydrogen — Oxidized I — Presence — Recent Ired — Thin Muck  7) — Gauge of  B8) — Other (Ex  No _ X  No _ X  No _ X   | apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc c Surface Well Dat plain in F  Depth (i Depth (i | aves (B9) 3) s (B14) Odor (C1 eres on I ced Iron (ced Ir | )<br>Living R<br>(C4)<br>Illed Soil | oots (C3)  | ondary Indica<br>Surface Soil<br>Drainage Pa<br>Dry-Season<br>Crayfish Bur<br>Saturation V<br>Stunted or S<br>Geomorphic<br>FAC-Neutral | ators (minimum of two Cracks (B6) (tterns (B10)) (tterns (C8)) (rows (C8)) (rows (C8)) (rosed Plants (D1)) (Position (D2)) (Test (D5))             | <b>–</b><br>vo requi |
| Depth (in Remarks: Hydric soils | are present. Hydric solutions: cators (minimum of company) dract (A1) ther Table (A2) on (A3) larks (B1) the Deposits (B2) cosits (B3) to Crust (B4) cosits (B5) on Visible on Aerial In the Vegetated Concave vations: the Present? Ye present? Ye gresent? Ye gresent? Ye pillary fringe)  | magery (B<br>Surface (<br>s<br>s   | ired: check all that  — Water-Sta — Aquatic F — True Aqua — Hydrogen — Oxidized I — Presence — Recent Ired — Thin Muck  7) — Gauge of  B8) — Other (Ex  No _ X  No _ X  No _ X   | apply) ained Lea auna (B1 atic Plant Sulfide ( Rhizosph of Reduc c Surface Well Dat plain in F  Depth (i Depth (i | aves (B9) 3) s (B14) Odor (C1 eres on I ced Iron (ced Ir | )<br>Living R<br>(C4)<br>Illed Soil | oots (C3)  | ondary Indica<br>Surface Soil<br>Drainage Pa<br>Dry-Season<br>Crayfish Bur<br>Saturation V<br>Stunted or S<br>Geomorphic<br>FAC-Neutral | ators (minimum of two Cracks (B6) (tterns (B10)) (tterns (C8)) (rows (C8)) (rows (C8)) (rosed Plants (D1)) (Position (D2)) (Test (D5))             | equi                 |

| U.S. Army Corps of E   |              |                |                        | Requirement Control Symbol   |
|--|--------------|----------------|------------------------|--|
| WETLAND DETERMINATION DATA S   |              |                |                        | EXEMPT   |
| See ERDC/EL TR-07-24; the proponer   | nt agency    | is CEC         | W-CO-R                 | (Authority: AR 335-15, paragraph 5-2a)                                 |
| Project/Site: Chicago O'Hare International Airport (ORD  | )            | City/          | County: Chicag         | go/Cook Sampling Date: 8/16/2019                                       |
| Applicant/Owner: City of Chicago   |              | _              |                        | State: IL Sampling Point: SE19-53 WI                                   |
| Investigator(s): Brauna Hartzell, Kim Shannon, Mead &  | Hunt, Inc.   | Section        | on, Township, R        | ange: Section 16, T40N, R12E   |
| Landform (hillside, terrace, etc.): swale  |              |                |                        | 200 E  |
|  |              |                |                        | Datum: WGS84   |
| Soil Map Unit Name: 805A - Orthents, clayey, nearly lev  |              | , C.           |                        |  |
| Are climatic / hydrologic conditions on the site typical for   |              |                | Yes X                  |  |
| Are Vegetation, Soil, or Hydrologysi   |              |                |                        |  |
| Are Vegetation, Soil, or Hydrologyn  |              |                |                        |  |
|  |              |                |                        |  |
| SUMMARY OF FINDINGS – Attach site ma   | p snowii     | ng sam         | pling point i          | ocations, transects, important features, etc                           |
| Hydrophytic Vegetation Present? Yes X No   |              | Is             | the Sampled A          | Area   |
| Hydric Soil Present? Yes X No  |              | w              | ithin a Wetland        | 1? Yes X No  |
| Wetland Hydrology Present? Yes X No  |              |                |                        |  |
| Remarks:   |              |                |                        |  |
| Some mower ruts present on edge of wetland; data po  | int vegetati | on is intac    | t and soils are n      | not disturbed.   |
|  | 7            |                |                        |  |
| VEGETATION – Use scientific names of plar  | Absolute     | Domina         | nt Indicator           | T  |
| Tree Stratum (Plot size:)  | % Cover      |                |                        | Dominance Test worksheet:  |
| 1.   |              |                |                        | Number of Dominant Species That  |
| 2  |              |                |                        | Are OBL, FACW, or FAC: 2 (A)   |
| 3.   |              |                |                        | Total Number of Dominant Species                                       |
| 4.   |              |                |                        | Across All Strata: 2 (B)   |
| o  |              | =Total Co      |                        | Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B    |
| Sapling/Shrub Stratum (Plot size:)   |              | -1014100       | 7001                   | AC OBE, 1 ACW, CI 1 AC.  |
| 1  |              |                |                        | Prevalence Index worksheet:  |
| 2.   |              |                |                        | Total % Cover of: Multiply by:   |
| 3  |              |                |                        | OBL species33 x 1 =33  |
| 4  |              |                |                        | FACW species 72 x 2 = 144  |
| 5  |              | -Tatal Ca      |                        | FAC species 0 x 3 = 0  FACU species 0 x 4 = 0                          |
| <u>Herb Stratum</u> (Plot size: 5ft )  |              | =Total Co      | over                   | FACU species 0 x 4 = 0  UPL species 0 x 5 = 0                          |
| 1. Agrostis stolonifera  | 60           | Yes            | FACW                   | Column Totals: 105 (A) 177 (B)   |
| 2. Schoenoplectus pungens  | 30           | Yes            | OBL                    | Prevalence Index = B/A = 1.69  |
| 3. Cyperus esculentus  | 10           | No             | FACW                   | ***************************************                                |
| 4. Juncus nodosus  | 3            | No             | OBL                    | Hydrophytic Vegetation Indicators:                                     |
| 5. Persicaria pensylvanica   | 2            | No             | FACW_                  | X 1 - Rapid Test for Hydrophytic Vegetation                            |
| 6.   |              |                | <del>-</del>           | X 2 - Dominance Test is >50%<br>X 3 - Prevalence Index is ≤3.0¹        |
| 8.   |              |                |                        | 4 - Morphological Adaptations <sup>1</sup> (Provide supporting         |
| 9.   |              |                |                        | data in Remarks or on a separate sheet)                                |
| 10.  |              |                |                        | Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)              |
|  | 105          | =Total Co      | over                   | <sup>1</sup> Indicators of hydric soil and wetland hydrology must      |
| Woody Vine Stratum (Plot size:)  |              |                |                        | be present, unless disturbed or problematic.                           |
| 1  | 6            |                | <del></del>            | Hydrophytic  |
| 2.,  |              | =Total Ca      |                        | Vegetation   |
| Description (in that he de seven contrate to a contrate to   |              | =Total Co      | ) V C I                | Present? Yes X No No   |
| Remarks: (Include photo numbers here or on a separa<br>Community Type: wet meadow HGM Type: depressional Hydrophyt |              | s present. Als | so present is Alisma s | subcordatum, Saggitaria sp., Lythrum salicaria, Solidago sempervirens. |

Midwest - Version 2.0

APPENDIX L L-237 NOVEMBER 2022

| Profile Description: (Describe to  | HANNO CLASSE-MONOCCOMENT MALDELENIA  |  |   | ator or c  | onfirm the absence   | of indicators.)  |
|--|--|--|---|--|--|--|
| Depth Matrix   | West of the Court of the Court   | Redox Feature  | _   |  |  |  |
| inches) Color (moist)  | % Color (moi:  | st) %  | Type  | Loc <sup>2</sup>                                 | Texture  | Remarks  |
| 0-3 7.5YR 3/1  | 100  |  |   |  | Loamy/Clayey   | clay with high organic conter  |
| 3-7 10YR 3/1   | 98 10YR 5/6  | 2  | С   | M_   | Loamy/Clayey   | Prominent redox concentration  |
| 7-18 10YR 5/1  | 75 10YR 5/6  | 25   | С   | M  | Loamy/Clayey   | Prominent redox concentration  |
|  |  |  | -   | 8  |  | all layers of clay   |
|  | *  |  | _   |  | -  |  |
|  |  |  | -   |  | -  | -  |
|  |  |  |   | -  | -  | -  |
|  |  |  | -   | -  |  | -  |
| Гуре: C=Concentration, D=Depleti   | ion, RM=Reduced Ma   | trix, MS=Mask  | ed Sand   | Grains   |  | : PL=Pore Lining, M=Matrix.  |
| ydric Soil Indicators:   | 0  |  | in (O4)   |  |  | s for Problematic Hydric Soils <sup>3</sup> :  |
| Histosol (A1)  |  | ly Gleyed Matr   | 1X (S4)   |  |  | t Prairie Redox (A16)  |
| Histic Epipedon (A2)   | <del></del>  | ly Redox (S5)  | N.  |  | <del></del>  | Manganese Masses (F12)   |
| Black Histic (A3)  |  | oed Matrix (S6   | ')  |  |  | Parent Material (F21)  |
| Hydrogen Sulfide (A4) Stratified Layers (A5)   |  | Surface (S7)   | ral (E1)  |  |  | Shallow Dark Surface (F22)<br>r (Explain in Remarks)   |
| 2 cm Muck (A10)  |  | ny Mucky Mine<br>ny Gleyed Matr  |   |  | Other  | (Explain in Nemaiks)   |
| Z CITI Muck (ATO)  X Depleted Below Dark Surface (A  |  | eted Matrix (F3  |   |  |  |  |
| Thick Dark Surface (A12)   |  | ox Dark Surface  |   |  | 3 Indicator  | s of hydrophytic vegetation and  |
| Sandy Mucky Mineral (S1)   |  | eted Dark Surf   | 2 2   | v.   |  | nd hydrology must be present,  |
| 5 cm Mucky Peat or Peat (S3)   |  | x Depressions  |   | ,  |  | s disturbed or problematic.  |
| estrictive Layer (if observed):  |  |  |   | Ī  |  |  |
|  |  |  |   |  |  |  |
| Type:  |  |  |   |  |  |  |
| lydric soils are present. Hydric soi   | Is indicators Depleted   | Below Dark S   | Surface (A  | A11), D  | Hydric Soil Present  | 900 900 90 M000 90 M0000 90 M0 |
| Depth (inches): Remarks: Rydric soils are present. Hydric soi  | Is indicators Depleted   | Below Dark S   | Surface (   | A11), D  | and the constant activities as a constant and  | 900 900 90 M000 90 M0000 90 M0 |
| Depth (inches): Remarks: Rydric soils are present. Hydric soil atisfied.   | ls indicators Depleted   | Below Dark S   | Surface (   | A11), D  | and the constant activities as a constant and  | 900 900 90 M000 90 M0000 90 M0 |
| Depth (inches):  Remarks: Hydric soils are present. Hydric soil atisfied.  | ls indicators Depleted   | Below Dark S   | Surface (,  | A11), D  | and the constant activities as a constant and  | 900 900 90 M000 90 M0000 90 M0 |
| Depth (inches):  Itemarks: |  |  | Gurface (,  | A11), D  | epleted Matrix (F3), ar  | 900 900 90 M000 90 M0000 90 M0 |
| Depth (inches):  emarks: ydric soils are present. Hydric soi atisfied.  YDROLOGY //etland Hydrology Indicators: rimary Indicators (minimum of one X_ Surface Water (A1)  | e is required; check all   | that apply)<br>er-Stained Leav   | ves (B9)  |  | epleted Matrix (F3), ar<br>Becondar  | nd Redox Dark Surface (F6) are  y Indicators (minimum of two requires Soil Cracks (B6)   |
| Depth (inches):  emarks: ydric soils are present. Hydric soi atisfied.  YDROLOGY  /etland Hydrology Indicators: rimary Indicators (minimum of one X_ Surface Water (A1) High Water Table (A2)  | e is required; check all<br>Wate<br>Aqua   | that apply)<br>r-Stained Leav<br>tic Fauna (B13  | ves (B9)  |  | epleted Matrix (F3), ar  Secondar  Surfa   | v Indicators (minimum of two requires Soil Cracks (B6) age Patterns (B10)  |
| Depth (inches):  emarks: ydric soils are present. Hydric soi atisfied.  YDROLOGY  /etland Hydrology Indicators: rimary Indicators (minimum of one   < Surface Water (A1) High Water Table (A2)   < Saturation (A3)   | e is required: check all<br>Wate<br>Aqua<br>True   | that apply)<br>r-Stained Leav<br>tic Fauna (B13<br>Aquatic Plants  | ves (B9)<br>3)<br>s (B14)   |  | epleted Matrix (F3), ar  Secondar  Surfa  Drain  Dry-S   | y Indicators (minimum of two requires Soil Cracks (B6) age Patterns (B10) Season Water Table (C2)  |
| Depth (inches):  emarks: ydric soils are present. Hydric soi atisfied.  YDROLOGY  /etland Hydrology Indicators: rimary Indicators (minimum of one   < Surface Water (A1) High Water Table (A2)   < Saturation (A3) Water Marks (B1)  | e is required; check all<br>Wate<br>Aqua<br>True<br>Hydr   | that apply)<br>er-Stained Leav<br>tic Fauna (B13<br>Aquatic Plants<br>ogen Sulfide C   | ves (B9)<br>3)<br>s (B14)<br>Odor (C1   | )  | epleted Matrix (F3), ar  Secondar  Surfa  Drain  Dry-S  Crayl  | y Indicators (minimum of two requires Soil Cracks (B6) age Patterns (B10) Season Water Table (C2) ish Burrows (C8)   |
| Depth (inches):  emarks: ydric soils are present. Hydric soi atisfied.  YDROLOGY  /etland Hydrology Indicators: rimary Indicators (minimum of one < Surface Water (A1) High Water Table (A2) < Saturation (A3) Water Marks (B1) Sediment Deposits (B2)   | e is required: check all  Wate Aqua  True Hydr. Oxidi  | that apply)<br>r-Stained Leav<br>tic Fauna (B13<br>Aquatic Plants<br>ogen Sulfide C<br>zed Rhizosphe   | ves (B9)<br>3)<br>s (B14)<br>Odor (C1<br>eres on I  | )<br>Living Ro                                   | Secondar Surfa Drain Dry-S Crayl Doots (C3) Satur  | y Indicators (minimum of two requires Soil Cracks (B6) age Patterns (B10) Season Water Table (C2) ish Burrows (C8) ration Visible on Aerial Imagery (C   |
| Depth (inches):  Itemarks: Itydric soils are present. Hydric soil atisfied.  YDROLOGY  Vetland Hydrology Indicators: Irimary Indicators (minimum of one X Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)   | e is required; check all  Wate Aque True Hydr Oxidi  | that apply)<br>rr-Stained Leav<br>tic Fauna (B13<br>Aquatic Plants<br>ogen Sulfide C<br>zed Rhizosphe<br>ence of Reduc   | ves (B9) 3) s (B14) odor (C1 eres on I  | )<br>Living Ro<br>(C4)                           | Secondar Surfa Drain Dry-S Crayl cots (C3) Satur Stunt   | y Indicators (minimum of two requires Soil Cracks (B6) age Patterns (B10) Season Water Table (C2) ish Burrows (C8) ration Visible on Aerial Imagery (C ed or Stressed Plants (D1)  |
| Depth (inches):  Remarks: Rydric soils are present. Hydric soil atisfied.  YDROLOGY  Vetland Hydrology Indicators: Primary Indicators (minimum of one X Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)   | e is required; check all  Wate Aqua True Hydr Oxidi Press  | that apply) rr-Stained Leav tic Fauna (B1: Aquatic Plants ogen Sulfide C zed Rhizosphe ence of Reduc nt Iron Reduct  | ves (B9) 3) s (B14) Odor (C1 eres on I ed Iron ( tion in Ti                                       | )<br>Living Ro<br>(C4)                           | Secondar   Surfa   Drain   Dry-S   Crayl   Satur   Stunts   Stun | y Indicators (minimum of two requires Soil Cracks (B6) age Patterns (B10) beason Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C ed or Stressed Plants (D1) norphic Position (D2)   |
| Depth (inches):  Itemarks: Itemarks: Itydric soils are present. Hydric soil atisfied.  YDROLOGY  Vetland Hydrology Indicators: Irimary Indicators (minimum of one X Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)  | e is required; check all  Wate Aqua  True Hydr Oxidi  Pres Rece  | that apply) rr-Stained Leav tic Fauna (B13 Aquatic Plants ogen Sulfide C zed Rhizosphe ence of Reduc nt Iron Reduct Muck Surface   | ves (B9) 3) s (B14) Odor (C1 eres on I ed Iron ( tion in Ti (C7)                                  | )<br>Living Ro<br>(C4)                           | Secondar   Surfa   Drain   Dry-S   Crayl   Satur   Stunts   Stun | y Indicators (minimum of two requires Soil Cracks (B6) age Patterns (B10) Season Water Table (C2) ish Burrows (C8) ration Visible on Aerial Imagery (C ed or Stressed Plants (D1)  |
| Depth (inches): emarks: ydric soils are present. Hydric soi atisfied.  YDROLOGY  /etland Hydrology Indicators: rimary Indicators (minimum of one ( Surface Water (A1) High Water Table (A2) ( Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Ima  | e is required: check all  Wate Aqua True Hydr Oxidi Press Rece Thin agery (B7) Gaug  | that apply)  rr-Stained Leav  tic Fauna (B13  Aquatic Plants ogen Sulfide C  zed Rhizosphe ence of Reduc  nt Iron Reduct  Muck Surface je or Well Data                       | ves (B9) 3) s (B14) Odor (C1 eres on I ed Iron ( tion in Ti (C7) a (D9)                           | )<br>Living Ro<br>(C4)                           | Secondar   Surfa   Drain   Dry-S   Crayl   Satur   Stunts   Stun | y Indicators (minimum of two requires Soil Cracks (B6) age Patterns (B10) beason Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C ed or Stressed Plants (D1) norphic Position (D2)   |
| Depth (inches):  emarks: ydric soils are present. Hydric soi atisfied.  YDROLOGY  Vetland Hydrology Indicators: rimary Indicators (minimum of one X Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Ima Sparsely Vegetated Concave Si   | e is required: check all  Wate Aqua True Hydr Oxidi Press Rece Thin agery (B7) Gaug  | that apply) rr-Stained Leav tic Fauna (B13 Aquatic Plants ogen Sulfide C zed Rhizosphe ence of Reduc nt Iron Reduct Muck Surface   | ves (B9) 3) s (B14) Odor (C1 eres on I ed Iron ( tion in Ti (C7) a (D9)                           | )<br>Living Ro<br>(C4)                           | Secondar   Surfa   Drain   Dry-S   Crayl   Satur   Stunts   Stun | y Indicators (minimum of two requires Soil Cracks (B6) age Patterns (B10) beason Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C ed or Stressed Plants (D1) norphic Position (D2)   |
| Depth (inches):  temarks: lydric soils are present. Hydric soi atisfied.  YDROLOGY  Vetland Hydrology Indicators: rimary Indicators (minimum of one X Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Ima Sparsely Vegetated Concave Si leld Observations:  | e is required; check all  Wate Aque True Hydri Oxidi Presi Rece Thin agery (B7) Gaug   | that apply) rr-Stained Leav tic Fauna (B13 Aquatic Plants ogen Sulfide C zed Rhizosphe ence of Reduc nt Iron Reduct Muck Surface je or Well Data r (Explain in Re            | ves (B9) 3) s (B14) bdor (C1 eres on I ed Iron ( tion in Ti (C7) a (D9) emarks)                   | )<br>Living Ro<br>(C4)<br>Iled Soil              | Secondar   Surfa   Drain   Dry-S   Crayl   Satur   Stunts   Stun | y Indicators (minimum of two requires Soil Cracks (B6) age Patterns (B10) beason Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C ed or Stressed Plants (D1) norphic Position (D2)   |
| Depth (inches):  Remarks: Rydric soils are present. Hydric soil atisfied.  YDROLOGY  Vetland Hydrology Indicators: Primary Indicators (minimum of one X Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Ima Sparsely Vegetated Concave Sicileld Observations: Rurface Water Present? Yes  | e is required; check all  Wate Aqua True Hydr Oxidi Pres Rece Thin agery (B7) Gaug urface (B8) Othe  | that apply) rr-Stained Leav tic Fauna (B13 Aquatic Plants ogen Sulfide C zed Rhizosphe ence of Reduc nt Iron Reduct Muck Surface pe or Well Data r (Explain in Re            | ves (B9) 3) s (B14) bdor (C1) eres on I ed Iron ( tion in Ti (C7) a (D9) emarks)                  | )<br>Living Re<br>(C4)<br>Iled Soil:             | Secondar   Surfa   Drain   Dry-S   Crayl   Satur   Stunts   Stun | y Indicators (minimum of two requires Soil Cracks (B6) age Patterns (B10) beason Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C ed or Stressed Plants (D1) norphic Position (D2)   |
| Depth (inches):  Remarks: Rydric soils are present. Hydric soil atisfied.  Primary Indicators (minimum of one X Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Ima Sparsely Vegetated Concave Siteld Observations: Surface Water Present? Ves  | Wate   Wate   Wate   Wate   Wate   Aqua   True   Hydron   Wate   Hydron   Wate   Hydron   Wate   W | that apply) er-Stained Leav tic Fauna (B13 Aquatic Plants ogen Sulfide C zed Rhizosphe ence of Reduc int Iron Reduct Muck Surface je or Well Data r (Explain in Re           | ves (B9) 3) s (B14) odor (C1) eres on I ed Iron (tion in Ti (C7) a (D9) emarks) ches): _ ches): _ | )<br>Living Ro<br>(C4)<br>Illed Soil-<br>1<br>14 | Secondar Surfa Drain Dry-S Crayl Satur Sturts S (C6) X Geon  | y Indicators (minimum of two requires Soil Cracks (B6) age Patterns (B10) season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C ed or Stressed Plants (D1) norphic Position (D2) Neutral Test (D5)   |
| Depth (inches):  Remarks: Rydric soils are present. Hydric soil atisfied.  Primary Indicators (minimum of one X Surface Water (A1) High Water Table (A2) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Ima Sparsely Vegetated Concave Siteld Observations: Surface Water Present? Ves Saturation Present?  | Wate   Wate   Wate   Wate   Wate   Aqua   True   Hydron   Wate   Hydron   Wate   Hydron   Wate   W | that apply) pr-Stained Leav tic Fauna (B13 Aquatic Plants ogen Sulfide C zed Rhizosphe ence of Reduc nt Iron Reduct Muck Surface ge or Well Data r (Explain in Re            | ves (B9) 3) s (B14) odor (C1) eres on I ed Iron (tion in Ti (C7) a (D9) emarks) ches): _ ches): _ | )<br>Living Ro<br>(C4)<br>Illed Soil-<br>1<br>14 | Secondar   Surfa   Drain   Dry-S   Crayl   Satur   Stunts   Stun | y Indicators (minimum of two requires Soil Cracks (B6) age Patterns (B10) season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C ed or Stressed Plants (D1) norphic Position (D2) Neutral Test (D5)   |
| Depth (inches):  Itemarks: Itydric soils are present. Hydric soil atisfied.  Itydric soils (Manual Survival Survi | Sis required: check all   Wate   | that apply) or-Stained Leav tic Fauna (B13 Aquatic Plants ogen Sulfide C zed Rhizosphe ence of Reduc int Iron Reduct Muck Surface je or Well Data r (Explain in Re Depth (in | ves (B9) 3) s (B14) Odor (C1 eres on l ed Iron (tion in Ti (C7) a (D9) emarks) ches): ches):      | )<br>Living Ro<br>(C4)<br>Illed Soil:            | Secondar Surfa Drain Dry-S Crayl sots (C3) Satur Stunt S (C6) X Geon X FAC-  | y Indicators (minimum of two requires Soil Cracks (B6) age Patterns (B10) season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C ed or Stressed Plants (D1) norphic Position (D2) Neutral Test (D5)   |
| Depth (inches):  Remarks: Rydric soils are present. Hydric soil atisfied.  PyDROLOGY  Vetland Hydrology Indicators: Rydric soil atisfied.  Verland Hydrology Indicators: Rydric soil soil soil soil soil soil soil soil  | Sis required: check all   Wate   Aqua   Aqua   True   Hydro   Aqua   Hydro   Aqua   Hydro   Aqua   | that apply) or-Stained Leav tic Fauna (B13 Aquatic Plants ogen Sulfide C zed Rhizosphe ence of Reduc int Iron Reduct Muck Surface je or Well Data r (Explain in Re Depth (in | ves (B9) 3) s (B14) Odor (C1 eres on l ed Iron (tion in Ti (C7) a (D9) emarks) ches): ches):      | )<br>Living Ro<br>(C4)<br>Illed Soil:            | Secondar Surfa Drain Dry-S Crayl sots (C3) Satur Stunt S (C6) X Geon X FAC-  | y Indicators (minimum of two requires Soil Cracks (B6) age Patterns (B10) season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C ed or Stressed Plants (D1) norphic Position (D2) Neutral Test (D5)   |

| U.S. Army Corps of<br>WETLAND DETERMINATION DATA<br>See ERDC/EL TR-07-24; the propon-                           | SHEET -             | Midwest R            |                               | 1   | ent Control Sy<br>EXEMPT<br>335-15, parag  |                          |
|---|---------------------|----------------------|-------------------------------|---|--|--------------------------|
|   |                     |                      |                               |   | 907.01   | 5 **** V-52*             |
| Project/Site: Chicago O'Hare International Airport (OF  | RD)                 | City/Cou             | inty: Chicago/                | official according to                                     | Sampling Date:   |                          |
| Applicant/Owner: City of Chicago  |                     |                      | 57 N/Ch 67-                   | State:IL  | - A 650  | SE19-55 UPL (basin       |
| Investigator(s): Brauna Hartzell, Conor Makepeace, Kim Shannor  | , Mead & Hunt, In   |                      |                               |   |  |                          |
| Landform (hillside, terrace, etc.): flat  |                     |                      |                               | oncave, convex, none)                                     |  |                          |
| Slope (%): <1% Lat: 41.95234382   |                     |                      | 87.90352799                   |   | Datum: WGS84   |                          |
| Soil Map Unit Name: 805A - Orthents, clayey, nearly   | level (Predom       | inantly Non-h        | ydric (6%))                   |   |  |                          |
| Are climatic / hydrologic conditions on the site typical  | for this time o     | f year?              | Yes X                         | No (If no, ex   | plain in Remarks.)   |                          |
| Are Vegetation, Soil, or Hydrology  | (1)                 |                      | Are "Normal Ci                | rcumstances" present                                      | ? Yes X N  | 4o                       |
| Are Vegetation, Soil, or Hydrology  | naturally prob      | olematic?            | (If needed, exp               | lain any answers in R                                     | emarks.)   |                          |
| SUMMARY OF FINDINGS – Attach site m   | nap showir          | ng samplir           | ng point loc                  | cations, transect   | s, important fe  | atures, etc              |
| Hydric Soil Present?         Yes         X         N           Wetland Hydrology Present?         Yes         N | lo X                |                      | e Sampled Are<br>n a Wetland? | ea<br>Yes   | No X   |                          |
| Remarks:  |                     |                      |                               |   |  |                          |
| VEGETATION – Use scientific names of plants   | ants.               |                      |                               |   |  |                          |
| Tree Stratum (Plot size:)   | Absolute<br>% Cover | Dominant<br>Species? | Indicator<br>Status           | Dominance Test wo   | orksheet:  |                          |
| 1<br>2.   | to 3                |                      |                               | Number of Dominant<br>Are OBL, FACW, or                   |  | 0 (A)                    |
| 3.  | 0                   |                      | -                             | Total Number of Dor                                       |  | 0 (A)                    |
| 4.  | •                   |                      |                               | Across All Strata:  | minant Species   | 1 (B)                    |
| 5.  |                     |                      |                               | Percent of Dominant                                       | Species That   |                          |
| Sapling/Shrub Stratum (Plot size:   |                     | =Total Cover         | , ,                           | Are OBL, FACW, or   | FÁC:   | 0.0% (A/B)               |
| 1.  |                     |                      |                               | Prevalence Index w  | orksheet:  |                          |
| 2   |                     |                      |                               | Total % Cover of  |  |                          |
| 3   | . —                 |                      |                               |   | 0 x1=  | 0                        |
| 5   |                     |                      |                               | CONCORDED THE STREET                                      | 5 x 2 =  | 0                        |
| J   |                     | =Total Cover         |                               | (4)   |  | 380                      |
| Herb Stratum (Plot size: 5ft )  |                     | rotal ports.         |                               |   | 0 x 5 =  | 0                        |
| Schedonorus arundinaceus  | 95                  | Yes                  | FACU                          | Column Totals: 1  | 00 (A)   | 390 (B)                  |
| 2. Phalaris arundinacea   | 3                   | No                   | FACW                          | Prevalence Index  | = B/A = 3.9  | 90                       |
| 3. Solidago sempervirens  | 2                   | No                   | FACW                          |   |  |                          |
| 4   |                     |                      |                               | Hydrophytic Vegeta  |  | N. A.                    |
| 5.  | -                   |                      |                               | 2 - Dominance 1   | or Hydrophytic Vege  | etation                  |
| 6.<br>7.  | . —                 |                      |                               | 3 - Prevalence II   | and the same and t |                          |
| 8.  |                     |                      |                               |   | al Adaptations <sup>1</sup> (Pro   | vide supportin           |
| 9.  | •                   |                      |                               | data in Rema  | rks or on a separate   | e sheet)                 |
| 10.   |                     |                      |                               | Problematic Hyd   | rophytic Vegetation  | า <sup>1</sup> (Explain) |
| Woody Vine Stratum (Plot size:  |                     | =Total Cover         |                               | <sup>1</sup> Indicators of hydric<br>be present, unless d |  |                          |
| 1.  | . —                 |                      |                               | Hydrophytic   |  |                          |
| 2.  | . —                 | T-1-10-              |                               | Vegetation  | . N. V   | ,                        |
|   |                     | =Total Cover         |                               | Present? Yes  | s No_X   |                          |
| Remarks: (Include photo numbers here or on a sepa<br>Community Type: developed land HGM Type: basin Hyd         |                     | ation is not pre     | sent. Approx 20               | ft separates from wetlan                                  | id pt with little elevation  | on change: flat.         |

| SOIL   |                                |                |                    |                            |   |                  |                     |                 | Sa               | ampling Point:                  | SE19-55 UPL (basin1) |
|--|--------------------------------|----------------|--------------------|----------------------------|---|------------------|---------------------|-----------------|------------------|---------------------------------|----------------------|
| Profile Desc   | cription: (Describe            | to the dept    | n needed to do     | cument t                   | the indic                               | ator or          | confirm the abs     | sence of i      | ndicators        | s.)                             |                      |
| Depth  | Matrix                         |                | Rec                | dox Featur                 | res                                     |                  | _                   |                 |                  |                                 |                      |
| (inches)   | Color (moist)                  | %              | Color (moist)      | %                          | Type <sup>1</sup>                       | Loc <sup>2</sup> | Texture             |                 |                  | Remarks                         |                      |
| 0-4  | 10YR 3/1                       | 100            |                    |                            |   |                  | Loamy/Clay          | yey             |                  |                                 |                      |
| 4-10   | 10YR 3/1                       | 80             |                    |                            |   |                  | Loamy/Clay          | yey             |                  |                                 |                      |
|  | 2.5YR 4/1                      | 15             | 7.5YR 4/4          | 5                          | С                                       | М                | Loamy/Clay          | yey             | Promine          | ent redox conc                  | entrations           |
| 10-16  | 10YR 4/1                       | 98             | 7.5YR 4/6          | 2                          | С                                       | М                | Loamy/Clay          | yey             | Promine          | ent redox conce                 | entrations           |
|  |                                |                |                    |                            |   |                  |                     |                 |                  |                                 |                      |
|  |                                | ·              |                    |                            |   |                  |                     |                 |                  |                                 |                      |
|  |                                |                |                    |                            |   |                  | 1                   |                 |                  |                                 |                      |
| <sup>1</sup> Type: C=C   | oncentration, D=Dep            | eletion, RM=   | Reduced Matrix     | , MS=Mas                   | sked San                                | d Grains         | s. <sup>2</sup> Lo  | ocation: F      | L=Pore L         | ining, M=Matri                  | x.                   |
| Hydric Soil  | Indicators:                    |                |                    |                            |   |                  | Inc                 | dicators f      | or Proble        | ematic Hydric                   | Soils <sup>3</sup> : |
| Histosol   | (A1)                           |                | Sandy G            | Sleyed Mat                 | trix (S4)                               |                  | _                   | _Coast P        | rairie Red       | lox (A16)                       |                      |
| Histic Ep  | pipedon (A2)                   |                | Sandy R            | Redox (S5)                 | )                                       |                  | _                   | _Iron-Mai       | nganese I        | Masses (F12)                    |                      |
| Black Hi   | stic (A3)                      |                | Stripped           | Matrix (S                  | <i>i</i> 6)                             |                  | _                   | Red Par         | rent Mater       | ial (F21)                       |                      |
|  | n Sulfide (A4)                 |                | Dark Sur           | rface (S7)                 | į.                                      |                  | _                   |                 |                  | k Surface (F22                  | 2)                   |
| _  | d Layers (A5)                  |                |                    | Mucky Min                  |   |                  | _                   | Other (E        | Explain in       | Remarks)                        |                      |
| 2 cm Mu  | ALCOHOLOGICA (CICCOM)          |                |                    | Gleyed Ma                  |   |                  |                     |                 |                  |                                 |                      |
| A STATE OF THE STA | d Below Dark Surface           | e (A11)        | X Depleted         |                            |   |                  | 2.                  | 10 10           | ma ay ay         |                                 | 10                   |
|  | ark Surface (A12)              |                | X Redox D          |                            |   |                  | °in                 |                 | 8 8 8            | ytic vegetation                 |                      |
|  | flucky Mineral (S1)            |                |                    | d Dark Sur                 |   | )                |                     |                 | 100              | y must be pres                  |                      |
|  | icky Peat or Peat (S3          |                | Redox D            | Depression                 | ıs (F8)                                 |                  | г.                  | unless c        | disturbea d      | or problematic.                 | 0                    |
| 30.0   | Layer (if observed):           | :              |                    |                            |   |                  |                     |                 |                  |                                 |                      |
| Type:  |                                |                | _                  |                            |   |                  | University Call D   |                 |                  | V V                             | KEICH                |
| Depth (ir<br>Remarks:  | iches):                        |                | _                  |                            |   |                  | Hydric Soil P       | resent?         |                  | Yes X                           | No                   |
| Hydric soils   | are present. Hydric:           | soils indicato | rs Depleted Ma     | atrix (F3) a               | and Redo                                | »x Dark          | Surface (F6) are    | e satisfied     |                  |                                 |                      |
| HYDROLO  | GY                             |                |                    |                            |   |                  |                     |                 |                  |                                 |                      |
| 200 B B 70   | drology Indicators:            |                | ev to toperary     |                            |   |                  |                     |                 | - 10 10          | ~ xx cx 52002                   |                      |
| 2007 0906 6  | cators (minimum of o           | one is require | PRIOR IN DIS       | 20 00 50 60                |   | ic .             | <u>Se</u>           |                 | man and a second | (minimum of t                   | wo required)         |
|  | Water (A1)                     |                |                    | Stained Lea                |   | į                | _                   |                 | Soil Crac        |                                 |                      |
|  | iter Table (A2)                |                |                    | Fauna (B1                  |   |                  | _                   |                 | e Patterns       |                                 |                      |
| — Saturation   |                                |                | 4                  | uatic Plant                |   | os:              | _                   |                 |                  | er Table (C2)                   |                      |
|  | larks (B1)<br>nt Deposits (B2) |                |                    | en Sulfide (<br>d Rhizosph |   |                  |                     | Acres 141 Acres | Burrows          |                                 | ~~~(C0)              |
| The same and   | oosits (B3)                    |                | 2007               | e of Redu                  |   | 202 200          | .0005 (C3)          | -               |                  | on Aerial Ima<br>ed Plants (D1) |                      |
|  | at or Crust (B4)               |                |                    | ron Reduc                  |   | 1001 100         | ile (C6)            |                 | rphic Posit      | 0.0                             | ř.                   |
|  | osits (B5)                     |                |                    | ck Surface                 |   | illed Ooi        |                     |                 | eutral Test      | AL 87                           |                      |
|  | on Visible on Aerial I         | Imagery (B7)   |                    | or Well Dat                | 0.0000000000000000000000000000000000000 |                  | _                   |                 | utiai 100.       | (00)                            |                      |
|  | Vegetated Concave              |                |                    | Explain in F               |   | Ŷ                |                     |                 |                  |                                 |                      |
| Field Obser  |                                |                | <u>//</u>          | Хр                         |   |                  | T                   |                 |                  |                                 |                      |
| Surface Wat  |                                | es             | No X               | Depth (                    | (inches):                               |                  |                     |                 |                  |                                 |                      |
| Water Table  | Present? Ye                    | es             | No X               |                            | (inches):                               |                  | ·                   |                 |                  |                                 |                      |
| Saturation P   |                                | es             | No X               |                            | (inches):                               |                  | Wetland Hy          | ydrology        | Present?         | Yes                             | No X                 |
| (includes car  | pillary fringe)                |                |                    |                            | 10                                      |                  | <u> </u>            |                 |                  |                                 |                      |
| Describe Re  | corded Data (stream            | gauge, mor     | nitoring well, aer | rial photos                | s, previou                              | s inspec         | ctions), if availab | ole:            |                  |                                 |                      |
| - constant con   |                                |                |                    |                            |   |                  |                     |                 |                  |                                 |                      |
| Remarks:<br>Wetland byd  | Irology is neithr prese        | ent nor indic  | atad Standing      | water ohe                  | erved afte                              | or heave         | rainctorm at ea     | rlier date      | hut none         | of time of data                 | point                |
| Wetland nyd  | rology is ficitiff prese       | SHE HOL HIGHE  | ated. Otaliding v  | water obse                 | si veu aite                             | i licavy         | , ramstorm at ea    | iller date      | but frome a      | at time of data                 | point.               |
|  |                                |                |                    |                            |   |                  |                     |                 |                  |                                 |                      |

Midwest - Version 2.0

APPENDIX L L-240 NOVEMBER 2022

U.S. Army Corps of Engineers

Requirement Control Symbol

| WETLAND DETERMINATION DATA<br>See ERDC/EL TR-07-24; the propon   |                    |               |  | (Authority: AR  | EXEMPT<br>335-15 paragr        | anh 5-2a)       |
|--|--------------------|---------------|--|---|--------------------------------|-----------------|
| Coc ENDO/EE TN-07-24, the proport  | erit agerioy       | 13 OLOV       | , 50-10  | Traditionty. Art  | ooo io, palagii                | -pi, 0-zuj      |
| Project/Site: Chicago O'Hare International Airport (Ol   | RD)                | City/Co       | ounty: Chicago/  | Cook  | Sampling Date:                 | 8/20/2019       |
| Applicant/Owner: City of Chicago   |                    |               |  | State: IL   | Sampling Point:                | SE19-55 UPL     |
| Investigator(s): Brauna Hartzell, Kim Shannon, Conor Makepeac  | e, Mead & Hunt, Ir | Section       | , Township, Ran  | ge: Section 17, T40N  | , R12E                         |                 |
| Landform (hillside, terrace, etc.): basin/detention  |                    | ^             | Local relief (co   | oncave, convex, none):  | convex                         |                 |
| Slope (%): 0-1 Lat: 41.95205959  |                    | Long:         | -87.90426841   |   | Datum: WGS84                   |                 |
| Soil Map Unit Name: 805A - Orthents, clayey, nearly  | level (Predom      | inantly Non   | -hydric (6%))  | NWI classi  | fication:                      |                 |
| Are climatic / hydrologic conditions on the site typical   | for this time of   | of year?      | Yes X  | No (If no, ex   | olain in Remarks.)             |                 |
| Are Vegetation, Soil, or Hydrology   | significantly      | disturbed?    | Are "Normal Ci   | rcumstances" present?   | Yes X No                       |                 |
| Are Vegetation, Soil, or Hydrology   | naturally prol     | blematic?     | (If needed, exp  | lain any answers in Re  | marks.)                        |                 |
| SUMMARY OF FINDINGS – Attach site n  |                    |               |  |   |                                | tures etc       |
| The state of the s | nap snown          | ig sampi      | ing point loc  | ations, transcots   | , important rea                | tares, etc.     |
|  | No_X_              | ls ti         | he Sampled Are   | a   |                                |                 |
|  | No X               | with          | nin a Wetland?   | Yes   | No X                           |                 |
| Wetland Hydrology Present? Yes X 1   | <u> </u>           |               |  |   |                                |                 |
| Remarks:   |                    |               |  |   |                                |                 |
|  |                    |               |  |   |                                |                 |
| VECETATION - Lies esignific names of pl  | lanta              |               |  |   |                                |                 |
| VEGETATION – Use scientific names of pl  | Absolute           | Dominant      | Indicator  |   |                                |                 |
| Tree Stratum (Plot size:)  | % Cover            | Species?      | S. Control of State o | Dominance Test wo   | rksheet:                       |                 |
| 1  |                    |               |  | Number of Dominant  | Species That                   |                 |
| 2.   |                    |               |  | Are OBL, FACW, or F   | and are                        | 0 (A)           |
| 3  | · ——               |               | - — I  | Total Number of Dom   | inant Species                  |                 |
| 4  |                    |               |  | Across All Strata:  |                                | 1 (B)           |
| 5  | -                  | =Total Cove   |  | Percent of Dominant   |                                | .0% (A/B)       |
| <u>Sapling/Shrub Stratum</u> (Plot size:   | D                  | = TOTAL COVE  | 1  | Are OBL, FACW, or F   | -AC. <u>0</u>                  | .0%(A/B)        |
| 1.   | _/                 |               | _  | Prevalence Index we   | orksheet:                      |                 |
| 2.   |                    |               |  | Total % Cover o   |                                | by:             |
| 3.   |                    |               |  | OBL species (   | x 1 =                          | 0               |
| 4.   | -                  |               |  | FACW species  | x 2 =                          | 2               |
| 5  |                    |               |  | (A)   |                                | 30              |
|  |                    | =Total Cove   | er   | DOD TOTAL CONTROL OF THE PARTY |                                | 36              |
| Herb Stratum (Plot size: 5ft )   | 00                 | Vac           | FACIL  |   |                                | 25 (B)          |
| Schedonorus pratensis     Eupatorium serotinum   | 80                 | Yes<br>No     | FACU FAC   | Column Totals: 10 Prevalence Index  |                                | 93 (B)          |
| 3. Dipsacus laciniatus   |                    | No            | UPL  | Trevalence macx   | - B/A                          |                 |
| 4. Cichorium intybus   | 4                  | No            | FACU   | Hydrophytic Vegetat   | ion Indicators:                |                 |
| 5. Solidago sempervirens   | 1                  | No            | FACW   | 1 - Rapid Test for  | Hydrophytic Veget              | ation           |
| 6.   |                    |               |  | 2 - Dominance To  | est is >50%                    |                 |
| 7  |                    |               |  | 3 - Prevalence In   |                                | C 50 200        |
| 8  |                    |               |  |   | Adaptations <sup>1</sup> (Prov | (0.000)         |
| 9  |                    |               | ——   |   | ks or on a separate            |                 |
| 10   | 100                | =Total Cove   | - —  |   | ophytic Vegetation             | 100 15 10       |
| Woody Vine Stratum (Plot size:   | )                  | - rotal Cove  | 4  | <sup>1</sup> Indicators of hydric s<br>be present, unless dis   |                                |                 |
| 1.   | -1                 |               |  |   |                                |                 |
| 2.   |                    |               |  | Hydrophytic<br>Vegetation   |                                |                 |
|  |                    | =Total Cove   | er   | Present? Yes  | No X                           | _               |
| Remarks: (Include photo numbers here or on a sep   | arate sheet.)      |               |  |   |                                |                 |
| Community Type: developed land HGM Type: N/A   | Hydrophyti         | ic vegetation | n is not present.  |   |                                |                 |
| ENG FORM 6116-7-SG, JUL 2018   |                    |               |  |   | Midwes                         | st – Version 2. |

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|  | cription: (Describe  | to the ae <sub>k</sub>                  | Strong or Department - National Strong - Assessment  |   | ator or c                             | ontirm the abse    | nce of indica  | tors.)   |                 |
|--|--|---|--|---|---------------------------------------|--------------------|--|--|-----------------|
| Depth  | Matrix   |   |  | x Features  | 1.202                                 | Ŧ                  |  | D  |                 |
| inches)  | Color (moist)  | <u>%</u>                                | Color (moist)  | % Type  | Loc <sup>2</sup>                      | Texture            |  | Remarks  |                 |
| 0-8  | 7.5YR 3/1  | 100                                     |  | · <del></del>   |                                       | Loamy/Claye        |  |  |                 |
| 8-14   | 10YR 5/2   | 50                                      | <u> </u>   |   |                                       | Loamy/Claye        | <u>y</u>   |  |                 |
|  | 10YR 4/4   | 50                                      |  |   |                                       | Loamy/Claye        | <u>y</u>   |  |                 |
|  |  |   |  |   |                                       |                    |  |  |                 |
| <sup>1</sup> Type: C=C   | concentration, D=Dep   | letion, RM                              | =Reduced Matrix, I   | MS=Masked San   | <br>d Grains                          | . <sup>2</sup> Loc | ation: PL=Por  | re Lining, M=Matrix  | C.              |
| Hydric Soil  | Indicators:  |   |  |   |                                       |                    |  | oblematic Hydric \$  |                 |
| Histosol   | (A1)   |   | Sandy Gle  | eyed Matrix (S4)  |                                       |                    | Coast Prairie I  | Redox (A16)  |                 |
| Histic Ep  | pipedon (A2)   |   | Sandy Re   | dox (S5)  |                                       | _                  | Iron-Mangane   | se Masses (F12)  |                 |
| Black Hi   | istic (A3)   |   | Stripped N   | /latrix (S6)  |                                       |                    | Red Parent M   | aterial (F21)  |                 |
| Hydroge  | en Sulfide (A4)  |   | Dark Surfa   | ace (S7)  |                                       |                    | Very Shallow   | Dark Surface (F22)   | )               |
| Stratified   | d Layers (A5)  |   | Loamy Mu   | icky Mineral (F1)   |                                       |                    | Other (Explain   | in Remarks)  |                 |
| 2 cm Mu  | uck (A10)  |   | Loamy Gle  | eyed Matrix (F2)  |                                       | <del>-</del> -     |  |  |                 |
| Depleted   | d Below Dark Surface   | e (A11)                                 | Depleted I   | Matrix (F3)   |                                       |                    |  |  |                 |
| Thick Da   | ark Surface (A12)  |   | Redox Da   | rk Surface (F6)   |                                       | <sup>3</sup> Indi  | icators of hydro   | ophytic vegetation   | and             |
| Sandy N  | Mucky Mineral (S1)   |   | Depleted I   | Dark Surface (F7  | )                                     | 14                 | wetland hydro  | logy must be prese   | ent,            |
| 5 cm Mu  | ucky Peat or Peat (S3  | 3)                                      | Redox De   | pressions (F8)  |                                       |                    | unless disturb   | ed or problematic.   |                 |
| Restrictive  | Layer (if observed):   | Į.                                      |  |   |                                       |                    |  |  |                 |
| 20.7   |  |   |  |   |                                       |                    |  |  |                 |
| Type:  |  |   |  |   |                                       |                    |  |  |                 |
| Depth (in  | are not present. Does  | s not meet                              | t hydric soils criteria  | <b>1</b> .  |                                       | Hydric Soil Pre    | esent?   | Yes  | No _            |
| Depth (in  |  | s not meet                              | t hydric soils criterie  | a.  |                                       | Hydric Soil Pre    | esent?   | Yes  | No_             |
| Depth (in Remarks: Hydric soils  | are not present. Does  |   | t hydric soils criteria  | à.  |                                       | Hydric Soil Pre    | esent?   | Yes  | No _            |
| Depth (in Remarks: Hydric soils HYDROLC Wetland Hy   | are not present. Does  | 0000                                    |  |   |                                       | •                  | 5.000,000  | _  |                 |
| Depth (in Remarks: Hydric soils HYDROLC Wetland Hy Primary India   | are not present. Does  OGY  vdrology Indicators: cators (minimum of co   | 0000                                    | uired: check all that  | apply)  |                                       | <u>Sec</u>         | ondary Indicat   | ors (minimum of tw   |                 |
| Depth (in Remarks: Hydric soils  HYDROLO  Wetland Hy  Primary India  Surface   | are not present. Does  | 0000                                    | uired: check all that<br>Water-Sta   | apply)<br>ined Leaves (B9)  |                                       | Seco               | ondary Indicat<br>Surface Soil C   | ors (minimum of tw<br>Tracks (B6)  |                 |
| Depth (in Remarks: Hydric soils HYDROLC Wetland Hy Primary India Surface High Wa   | are not present. Does  | 0000                                    | iired: check all that<br>Water-Sta<br>Aquatic Fa   | apply)<br>ined Leaves (B9)<br>auna (B13)  |                                       | Seco               | ondary Indicat<br>Surface Soil C<br>Drainage Patti   | ors (minimum of tw<br>Cracks (B6)<br>erns (B10)  |                 |
| Depth (in Remarks: Hydric soils Hydric soils Hydric soils Hydric soils Hydrary India Surface High Wax Saturatio  | are not present. Does  | 0000                                    | iired: check all that<br>Water-Sta<br>Aquatic Fa<br>True Aqua  | apply)<br>ined Leaves (B9)<br>auna (B13)<br>atic Plants (B14)   |                                       | Seco               | ondary Indicat<br>Surface Soil C<br>Drainage Patt<br>Dry-Season W  | ors (minimum of tw<br>Cracks (B6)<br>erns (B10)<br>Vater Table (C2)  |                 |
| Depth (in Remarks: Hydric soils Hydric soils Hydric soils Hydric soils Hydrary India Surface High Water Mydrer Myd | are not present. Does  | 0000                                    | uired: check all thatWater-StaAquatic Fa<br>True Aqua<br>Hydrogen  | apply)<br>ined Leaves (B9)<br>auna (B13)<br>atic Plants (B14)<br>Sulfide Odor (C1   | )                                     | <u>Sec</u> c       | ondary Indicat<br>Surface Soil C<br>Drainage Patt<br>Dry-Season W<br>Crayfish Burro  | ors (minimum of tw<br>Cracks (B6)<br>erns (B10)<br>Vater Table (C2)<br>ows (C8)  | vo requir       |
| Depth (in Remarks: Hydric soils HYDROLO Wetland Hy Primary India Surface High Wa Saturatic Water M Sedimer   | are not present. Does  | 0000                                    | uired; check all that  Water-Sta  Aquatic Fa  True Aqua Hydrogen Oxidized F  | apply)<br>ined Leaves (B9)<br>auna (B13)<br>atic Plants (B14)<br>Sulfide Odor (C1<br>Rhizospheres on  | )<br>Living Ro                        |                    | ondary Indicate<br>Surface Soil C<br>Drainage Patte<br>Dry-Season W<br>Crayfish Burro<br>Saturation Vis  | ors (minimum of tw<br>Cracks (B6)<br>erns (B10)<br>Vater Table (C2)<br>ows (C8)<br>ible on Aerial Imag   | vo requir       |
| Depth (in Remarks: Hydric soils  HYDROLO Wetland Hy Primary India Surface High Water Water Water Water Models of the Depth (in Remarks)  | are not present. Does  OGY  Vidrology Indicators: cators (minimum of of Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3)   | 0000                                    | iired: check all that  Water-Sta  Aquatic Fe  True Aqua  Hydrogen  Oxidized F  | apply)<br>ined Leaves (B9)<br>auna (B13)<br>atic Plants (B14)<br>Sulfide Odor (C1   | )<br>Living Ro<br>(C4)                | Seco               | ondary Indicate<br>Surface Soil C<br>Drainage Patte<br>Dry-Season W<br>Crayfish Burro<br>Saturation Vis<br>Stunted or Str                                  | ors (minimum of tw<br>Cracks (B6)<br>erns (B10)<br>/ater Table (C2)<br>ows (C8)<br>ible on Aerial Imag<br>essed Plants (D1)                                | yo requii       |
| Depth (in Remarks: Hydric soils HYDROLC Wetland Hy Primary India Surface High Water M Sedimer Drift Dep Algal Ma   | are not present. Does  OGY  Indicators: cators (minimum of   | 0000                                    | iired: check all that  Water-Sta  Aquatic Fe  True Aqua  Hydrogen  Oxidized Fe  Presence  Recent Iro   | apply)<br>ined Leaves (B9)<br>auna (B13)<br>atic Plants (B14)<br>Sulfide Odor (C1<br>Rhizospheres on<br>of Reduced Iron   | )<br>Living Ro<br>(C4)                | oots (C3)          | ondary Indicate<br>Surface Soil C<br>Drainage Patte<br>Dry-Season W<br>Crayfish Burro<br>Saturation Vis<br>Stunted or Str<br>Geomorphic F                  | ors (minimum of tw<br>Cracks (B6)<br>erns (B10)<br>/ater Table (C2)<br>ows (C8)<br>ible on Aerial Imag<br>essed Plants (D1)<br>Position (D2)               | yo requii       |
| Depth (in Remarks: Hydric soils  HYDROLO Wetland Hy Primary Indi Surface High Wat X Saturatic Water M Sedimer Drift Dep Algal Ma   | are not present. Does  OGY  Vidrology Indicators: cators (minimum of of Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3)   | one is requ                             | iired: check all that  Water-Sta  Aquatic Fe  True Aqua  Hydrogen  Oxidized Fe  Presence  Recent Irc   | apply)  ained Leaves (B9)  auna (B13)  atic Plants (B14)  Sulfide Odor (C1  Rhizospheres on  of Reduced Iron  on Reduction in T   | )<br>Living Ro<br>(C4)                | oots (C3)          | ondary Indicate<br>Surface Soil C<br>Drainage Patte<br>Dry-Season W<br>Crayfish Burro<br>Saturation Vis<br>Stunted or Str                                  | ors (minimum of tw<br>Cracks (B6)<br>erns (B10)<br>/ater Table (C2)<br>ows (C8)<br>ible on Aerial Imag<br>essed Plants (D1)<br>Position (D2)               | yo requii       |
| Depth (in Remarks: Hydric soils Hydric soils Hydric soils Hydric soils Hydric soils Surface High Water N Sedimer Drift Dep Algal Ma Iron Dep Inundati  | are not present. Does  OGY  Indrology Indicators: cators (minimum of of Water (A1) ater Table (A2) on (A3) Marks (B1) Int Deposits (B2) posits (B3) at or Crust (B4) posits (B5)   | one is requ                             | uired; check all that  Water-Sta  Aquatic Fa  True Aqua  Hydrogen  Oxidized F  Presence  Recent Irc  Thin Muck   | apply) uined Leaves (B9) auna (B13) utic Plants (B14) Sulfide Odor (C1 Rhizospheres on of Reduced Iron on Reduction in T of Surface (C7)  | )<br>Living Ro<br>(C4)<br>illed Soil  | oots (C3)          | ondary Indicate<br>Surface Soil C<br>Drainage Patte<br>Dry-Season W<br>Crayfish Burro<br>Saturation Vis<br>Stunted or Str<br>Geomorphic F                  | ors (minimum of tw<br>Cracks (B6)<br>erns (B10)<br>/ater Table (C2)<br>ows (C8)<br>ible on Aerial Imag<br>essed Plants (D1)<br>Position (D2)               | yo requii       |
| Depth (in Remarks: Hydric soils Hydric soils Hydric soils Hydric soils Hydric soils Surface High Water N Sedimer Drift Dep Algal Ma Iron Dep Inundati  | are not present. Does  OGY  Indrology Indicators: cators (minimum of   | one is requ                             | uired; check all that  Water-Sta  Aquatic Fa  True Aqua  Hydrogen  Oxidized F  Presence  Recent Irc  Thin Muck   | apply)  apply)  auna (B13)  atic Plants (B14)  Sulfide Odor (C1  Rhizospheres on  of Reduced Iron  on Reduction in T  ( Surface (C7)  Well Data (D9)  | )<br>Living Ro<br>(C4)<br>illed Soil  | oots (C3)          | ondary Indicate<br>Surface Soil C<br>Drainage Patte<br>Dry-Season W<br>Crayfish Burro<br>Saturation Vis<br>Stunted or Str<br>Geomorphic F                  | ors (minimum of tw<br>Cracks (B6)<br>erns (B10)<br>/ater Table (C2)<br>ows (C8)<br>ible on Aerial Imag<br>essed Plants (D1)<br>Position (D2)               | yo requii       |
| Depth (in Remarks: Hydric soils HYDROLC Wetland Hy Primary India Surface High Water M Sedimer Drift Dep Algal Ma Iron Dep Inundati Sparsely  | are not present. Does  OGY  Indrology Indicators: cators (minimum of of Water (A1) ater Table (A2) on (A3) Marks (B1) Int Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial In y Vegetated Concave | one is requ<br>magery (B<br>e Surface ( | ired: check all that  Water-Sta  Aquatic Fe  True Aqua  Hydrogen  Oxidized Fe  Presence  Recent Irc  Thin Muck  17)  Gauge or  B8)  Other (Exp               | apply) ined Leaves (B9) auna (B13) titic Plants (B14) Sulfide Odor (C1 Rhizospheres on of Reduced Iron on Reduction in T s Surface (C7) Well Data (D9) plain in Remarks)                                  | )<br>Living Ro<br>(C4)<br>illed Soils | oots (C3)          | ondary Indicate<br>Surface Soil C<br>Drainage Patte<br>Dry-Season W<br>Crayfish Burro<br>Saturation Vis<br>Stunted or Str<br>Geomorphic F                  | ors (minimum of tw<br>Cracks (B6)<br>erns (B10)<br>/ater Table (C2)<br>ows (C8)<br>ible on Aerial Imag<br>essed Plants (D1)<br>Position (D2)               | yo requii       |
| Depth (in Remarks: Hydric soils Hydric soils Hydric soils Hydric soils Hydric soils Wetland Hy Primary India Surface High Water M Sedimer Drift Dep Algal Ma Iron Dep Inundation Sparsely Field Obser  | are not present. Does  OGY  Indrology Indicators: cators (minimum of   | one is requ                             | uired; check all that  Water-Sta  Aquatic Fa  True Aqua  Hydrogen  Oxidized F  Presence  Recent Irc  Thin Muck   | apply)  apply)  auna (B13)  atic Plants (B14)  Sulfide Odor (C1  Rhizospheres on  of Reduced Iron  on Reduction in T  ( Surface (C7)  Well Data (D9)  | )<br>Living Ro<br>(C4)<br>illed Soils | oots (C3)          | ondary Indicate<br>Surface Soil C<br>Drainage Patte<br>Dry-Season W<br>Crayfish Burro<br>Saturation Vis<br>Stunted or Str<br>Geomorphic F                  | ors (minimum of tw<br>Cracks (B6)<br>erns (B10)<br>/ater Table (C2)<br>ows (C8)<br>ible on Aerial Imag<br>essed Plants (D1)<br>Position (D2)               | vo requi        |
| Depth (in Remarks: Hydric soils Hydric soils Hydric soils Hydric soils Wetland Hy Primary India Surface High Water My Sedimer Drift Dep Algal Malron Dep Inundati Sparsely Field Obser Surface Water Water My Sedimer Drift Dep Algal Malron Dep Inundati Sparsely Surface Water Mydric Note   | are not present. Does  OGY  Indrology Indicators: Cators (minimum of   | one is requ<br>magery (B<br>e Surface ( | wired: check all that  Water-Sta  Aquatic Fa  True Aqua  Hydrogen  Oxidized Fa  Presence  Recent inc  Thin Muck  37)  Gauge or  B8)  Other (Exp              | apply) ined Leaves (B9) auna (B13) atic Plants (B14) Sulfide Odor (C1 Rhizospheres on of Reduced Iron on Reduction in T surface (C7) Well Data (D9) plain in Remarks) Depth (inches):                     | )<br>Living Ro<br>(C4)<br>illed Soil  | oots (C3)          | ondary Indicate<br>Surface Soil C<br>Drainage Patte<br>Dry-Season W<br>Crayfish Burro<br>Saturation Vis<br>Stunted or Str<br>Geomorphic F                  | ors (minimum of two Cracks (B6) erns (B10) //ater Table (C2) //ater Table (C2) //ws (C8) ible on Aerial Imag essed Plants (D1) Position (D2) Fest (D5)     | vo requi        |
| Depth (in Remarks: Hydric soils Hydric soils Hydric soils Hydric soils Hydric soils Hydric soils Safface High Water M Sedimer Drift Dep Inundati Sparsely Field Obser Surface Water Table Saturation P   | are not present. Does  OGY  Indrology Indicators: Cators (minimum of   | magery (Besumagery (Besumagery Esseries | ired: check all that  Water-Sta  Aquatic Fa  True Aqua  Hydrogen  Oxidized F  Presence  Recent Irc  Thin Muck  7) Gauge or  B8) Other (Exp                   | apply) ained Leaves (B9) auna (B13) atic Plants (B14) Sulfide Odor (C1 Rhizospheres on on Reduced Iron on Reduction in T t Surface (C7) Well Data (D9) plain in Remarks) Depth (inches): Depth (inches):  | )<br>Living Ro<br>(C4)<br>illed Soil  | oots (C3)          | ondary Indicate<br>Surface Soil C<br>Drainage Patte<br>Dry-Season W<br>Crayfish Burro<br>Saturation Vis<br>Stunted or Str<br>Geomorphic F<br>FAC-Neutral T | ors (minimum of two<br>Cracks (B6)<br>erns (B10)<br>/ater Table (C2)<br>ows (C8)<br>ible on Aerial Imag<br>essed Plants (D1)<br>Position (D2)<br>Fest (D5) | vo requi        |
| Depth (in Remarks: Hydric soils | are not present. Does  OGY  rdrology Indicators: cators (minimum of  | magery (Bee Surface (                   | ired: check all that  Water-Sta  Aquatic Fa  True Aqua  Hydrogen  Oxidized F  Presence  Recent Irc  Thin Muck  7) Gauge of  B8) Other (Exp  No X  No X  No X | apply) ained Leaves (B9) auna (B13) atic Plants (B14) Sulfide Odor (C1 Rhizospheres on of Reduced Iron on Reduction in T of Surface (C7) Well Data (D9) plain in Remarks) Depth (inches): Depth (inches): | )<br>Living Ro<br>(C4)<br>illed Soils | oots (C3)          | ondary Indicate Surface Soil C Drainage Patte Dry-Season W Crayfish Burro Saturation Vis Stunted or Str Geomorphic F FAC-Neutral T                         | ors (minimum of two<br>Cracks (B6)<br>erns (B10)<br>/ater Table (C2)<br>ows (C8)<br>ible on Aerial Imag<br>essed Plants (D1)<br>Position (D2)<br>Fest (D5) | <u>/o requi</u> |
| Depth (in Remarks: Hydric soils | are not present. Does  OGY  Indrology Indicators: cators (minimum of   | magery (Bee Surface (                   | ired: check all that  Water-Sta  Aquatic Fa  True Aqua  Hydrogen  Oxidized F  Presence  Recent Irc  Thin Muck  7) Gauge of  B8) Other (Exp  No X  No X  No X | apply) ained Leaves (B9) auna (B13) atic Plants (B14) Sulfide Odor (C1 Rhizospheres on of Reduced Iron on Reduction in T of Surface (C7) Well Data (D9) plain in Remarks) Depth (inches): Depth (inches): | )<br>Living Ro<br>(C4)<br>illed Soils | oots (C3)          | ondary Indicate Surface Soil C Drainage Patte Dry-Season W Crayfish Burro Saturation Vis Stunted or Str Geomorphic F FAC-Neutral T                         | ors (minimum of two<br>Cracks (B6)<br>erns (B10)<br>/ater Table (C2)<br>ows (C8)<br>ible on Aerial Imag<br>essed Plants (D1)<br>Position (D2)<br>Fest (D5) | vo requi        |

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