1-20-2012 LETTING ITEM 142

FOR UTILITY LOCATION PURPOSES, THIS PROJECT IS LOCATED IN SOUTHEAST QUARTER OF SECTION 9, TOWNSHIP 4 NORTH, RANGE 9 WEST OF THE 3RD PRINCIPAL MERIDIAN.

ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. (800) 892-0123 OR FOR NON-MEMBERS, UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

HARTFORD PUBLIC WORKS DEPT. 140 WEST HAWTHORNE HARTFORD, IL 62048 (618) 251-2680 ELECTRIC: AMEREN ILLINOIS 700 OAKWOOD AVENUE ALTON, IL 62002 (800) 325-7002

AT&T 203 GOETHE COLLINSVILLE, IL 62234 (618) 346-6400

CHARTER COMMUNICATIONS 4767 SIGNATURE INDUSTRIAL DRIVEDWARDSVILLE, IL 62025

GAS: AMEREN ILLINOIS 2600 N. CENTER STREET MARYVILLE, IL 62062 (618) 346-1244

INDEX TO SHEETS

- 1. COVER SHEET, INDEX TO SHEETS
- 2. SUMMARY OF QUANTITIES, GENERAL NOTES, LEGEND & CONTROL POINTS, HIGHWAY STANDARDS
- 3. PROPOSED SITE PLAN
- 4. EXISTING SITE PLAN
- 5. EROSION CONTROL PLAN
- 6. DETAILS OF CONSTRUCTION
- 7. LANDSCAPE PLAN
- 8. LANDSCAPE DETAILS
- 9. BOARDWALK ENLARGEMENT PLAN AND DETAILS
- 10. IRRIGATION PLAN

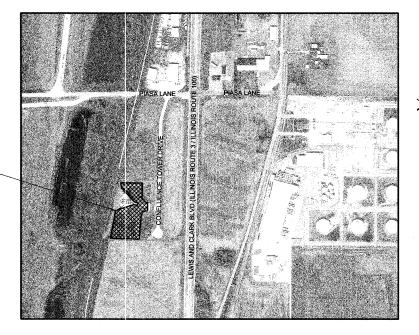
SCALES

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS THE ABOVE SCALES MAY BE USED.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS FEDERAL AID HIGHWAY

LEWIS AND CLARK MEMORIAL TOWER TOWER LANDSCAPING

SECTION 10-00026-02-LS FEDERAL PROJECT NO. TE-00D8(142) VILLAGE OF HARTFORD MADISON COUNTY JOB C-98-353-10



PROJECT LOCATION-

NOT TO SCALE

APPROXIMATELY 2.4 ACRES

Sheppard, Morgan & Schwaab, Inc. CONSULTING ENGINEERS AND LAND SURVEYORS

ENGINEERS

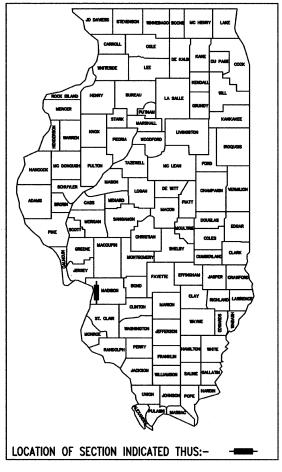
215 Market Stroet, P.O. Box E, Allon, IL 62002 618/462-9755 E-mail: mail@smsengineers.com 10 Central Industrial Drive, Salie 3, Grante City, IL 62040 618/877-8700 E-mail: mail@smsengineers.com DESIGN FIRM # 184—000992

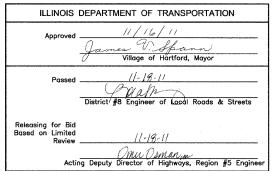
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 SHEET NO.

* 10-00026-02-LS CONTRACT NO. 97484





PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

FOR SHEETS 1-5



FOR SHEETS 6-10



SHEET 1 OF 10

GENERAL NOTES

- THIS PROJECT SHALL BE CONSTRUCTED ACCORDING TO THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2012 AND THE SPECIAL PROVISIONS OF THE PROJECT CONTRACT.
- EXCEPT WHERE DESIGNATED OTHERWISE, THE LOCATIONS AND/OR DEPTHS OF UNDERGROUND UTILITIES SHOWN HAVE BEEN TAKEN FROM OFFICE RECORD INFORMATION FURNISHED BY THE UTILITY OWNERS AND MUST BE CONSIDERED APPROXIMATE.
- 3. ALL ELEVATIONS REFER TO NATIONAL GEODETIC SURVEY (N.G.S.) DATUM.
- PROPOSED ELEVATIONS SHOWN ON THE PLANS AS \pm ARE APPROXIMATE, EXACT ELEVATIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.
- 5. EXACT LOCATIONS OF INTERPRETIVE SIGNS SHALL BE PROVIDED BY THE ENGINEER.

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25200100 SODDING 28000250 TEMPORARY EROSION C 28000305 TEMPORARY DITCH CHE 28000305 TEMPORARY DITCH CHE 28000305 TEMPORARY DITCH CHE 28000305 TEMPORARY DITCH CHE 28000400 PERIMETER EROSION B 28100105 STONE RIPRAP, CLASS, 2400100 PORTLAND CEMENT CO 44004000 PAVED DITCH REMOVAL 542A0217 PIPE CULVERTS, CLASS 60109050 PIPE DRAINS 4" 60240215 NLETS, TYPE B, TYPE 1 67100100 MOBILIZATION A2006416 TREE, QUERCUS ALBA (A2007620 TREE, TAXODIUM DISTIC B2000900 TREE, AMELANCHER AF B2010042 TREE, CHIONANTHUS VIR B2010070 TREE, CHIONANTHUS VIR B2010070 TREE, CLADRASTIS KEN C2004240 SHRUB, LINDEN BENZOII C2005865 SHRUB, RHUS GLABRA (F30021Y2 SEEDLING-ACER RUBRI F30041Y2 SEEDLING-ACER RUBRI F30041Y2 SEEDLING-CARYA OVAT F30151Y2 SEEDLING-QUERCUS AL F30160Y2 SEEDLING-QUERCUS RI F30150Y2 SEEDLING-QUERCUS RI F30190Y2 SEEDLING-GUERCUS RI F30190Y2 SEEDLING-GROWLS SEE F30190Y2 SEEDLING-GUERCUS RI F30190Y2 SEEDLING-GORNUS SEE F30190Y2 SEEDLING-GUERCUS RI F30190Y2 SEEDLING-GORNUS SEE F30190Y2 SEEDLING-GORNUS SEE F30190Y2 SEEDLING-GORNUS SEE F30190Y2 SEEDLING-GORNUS SEE F30190Y2 SEEDLING-GUERCUS RI F30190Y2 SEEDLING-GUERCUS RI F30190Y2 SEEDLING-GORNUS SEE F30190Y2 SEEDLING-GUERCUS RI F30190Y2 SEEDLING-GUERCUS R		ACRE	9.0		
28000250 TEMPORARY EROSION OF 28000305 TEMPORARY DITCH CHE 28000400 PERMETER EROSION B. 28100105 STONE RIPRAP, CLASS. 42400100 PORTLAND CEMENT CO 44004000 PAVED DITCH REMOVAL 542A0217 PIPE CULVERTS, CLASS 60100905 PIPE DRAINS 4" 60240215 NLETS, TYPE B, TYPE 1 67100100 MOBILZATION A2006416 TREE, QUERCUS ALBA (A2007620 TREE, TAXODIM DISTIC DE COMPANY OF A	ANKET	SQ YD	1,30		
28000305 TEMPORARY DITCH CHE 28000400 PERMETER EROSION B. 28100105 STONE RIPRAP, CLASS. 42400100 PORTLAND CEMENT CO 44004000 PAVED DITCH REMOVAL 542A0217 PIPE CULVERTS, CLASS. 60100905 PIPE DRAINS 4" 60240215 NLETS, TYPE B, TYPE 1 67100100 MOBILIZATION A2006416 TREE, QUERCUS ALBA (A2007620 TREE, TAXODIUM DISTIC B2000900 TREE, TAXODIUM DISTIC B2000900 TREE, AMELANCHER AF B2010042 TREE, CHIONANTHUS VI B2010070 TREE, CHIONANTHUS VI B2010070 TREE, CHIONANTHUS VI B2010070 SHED, RHUS AROMATIC C2005865 SHRUB, RHUS GLABRA (F30021Y2 SEEDLING-ACER RUBRE, F30040Y2 SEEDLING-CARYA OVAT F30041Y2 SEEDLING-CARYA OVAT F30151Y2 SEEDLING-QUERCUS PL F30150Y2 SEEDLING-QUERCUS PL F30150Y2 SEEDLING-QUERCUS RI F30151Y2 SEEDLING-GUERCUS RI F30190Y2 SEEDLING-FILLA AMERIC. F30210Y2 SEEDLING-FILLA AMERIC. F30210Y3 SEEDLING-CRRIS CAN G20050Y2 SEEDLING-CRRIS CAN G20050Y2 SEEDLING-CORNUS SEF F30190Y2 S		SQ YD	1,38		
28000400 PERMETER EROSION B. 28100105 STONE RIPRAP, CLASS. 2400100 PORTLAND CEMENT CO. 44004000 PAVED DITCH REMOVAL 542A0217 PIPE CULVERTS, CLASS. 60100905 PIPE DRAINS 4" 60240215 NLETS, TYPE B, TYPE 1 67100100 MOBILZATION 42006416 TREE, QUERCUS ALBA (A2007620 TREE, TAXODIUM DISTIC B2000900 TREE, AMELANCHER AF B2010042 TREE, CHONANTHUS VIR B2010070 TREE, CLADRASTIS KEN C2004240 SHRUB, LINDEN BENZOIN E2005960 SHRUB, RHUS AROMATIC C2005960 SHRUB, RHUS GLABRA (F30021Y2 SEEDLING-CARYA OVAT F30041Y2 SEEDLING-CARYA OVAT F30041Y2 SEEDLING-CARYA LLINIC F30120Y2 SEEDLING-QUERCUS AL F30160Y2 SEEDLING-QUERCUS AL F30160Y2 SEEDLING-QUERCUS RI F30151Y2 SEEDLING-QUERCUS RI F30151Y2 SEEDLING-GUERCUS RI F30160Y2 SEEDLING-GUERCUS RI F30190Y2 SEEDLING-GUERCUS RI F30190Y2 SEEDLING-GUERCUS RI F30190Y2 SEEDLING-GUERCUS RI F30190Y2 SEEDLING-CRONUS SEE F30210Y2 SEEDLING-GUERCUS RI F30190Y2 SEEDLING-GRONUS SEE F30210Y2 SEEDLING-CRONUS SEE F30210Y2 SEED		POUND	50		
28100105 STONE RIPRAP, CLASS, 42400100 PORTLAND CEMENT CO 40004000 PAYED DITCH REMOVAL 542A0217 PIPE CULVERTS, CLASS 6010905 PIPE DRAINS 4" 60240215 NLETS, TYPE B, TYPE 1 67100100 MOBILZATION A2006416 TREE, QUERCUS ALBA (A2007620 TREE, TAXODIUM DISTIC B2000900 TREE, AMELANCHER AF B2010042 TREE, CHIONANTHUS VIR B2010070 TREE, CHIONANTHUS VIR B2010070 TREE, CHIONANTHUS VIR B2010070 TREE, CHIONANTHUS VIR B2010071 TREE, CLADRASTIS KEN C2005865 SHRUB, RHUS AROMATIS C2005865 SHRUB, RHUS AROMATIS F30021Y2 SEEDLING-CARYA OVAT F30021Y2 SEEDLING-CARYA OVAT F30010Y2 SEEDLING-CARYA ULINK F30151Y2 SEEDLING-QUERCUS AL F30160Y2 SEEDLING-QUERCUS PL F30160Y2 SEEDLING-QUERCUS PL F30160Y2 SEEDLING-QUERCUS RI F30160Y2 SEEDLING-GUERCUS PL F30160Y2 SEEDLING-GUERCUS PL F30160Y2 SEEDLING-GUERCUS RI F30160Y2 SEE		FOOT	110		
42400100 PORTLAND CEMENT CO 44004000 PAVED DITCH REMOVAL 542A0217 PIPE CULVERTS, CLASS 60109905 PIPE DRAINS 4" 60240215 NLETS, TYPE B, TYPE 1 60240215 NLETS, TYPE B, TYPE 1 60240215 NLETS, TYPE B, TYPE 1 67100100 MOBILZATION A2006416 TREE, QUERCUS ALBA (A2007620 TREE, AWELANCHER AF B2010042 TREE, CHIONANTHUS VII B2010070 TREE, CHIONANTHUS VII B2010071 TREE, CHIONANTHUS VII F3004072 SEEDLING-ACER RUBRI F3004072 SEEDLING-CARYA ILLINIC F3012072 SEEDLING-QUERCUS PI- F3016072 SEEDLING-QUERCUS PI- F3016072 SEEDLING-QUERCUS PI- F3019072 SEEDLING-GUERCUS MI- F3012072 SEEDLING-CORNUS SEF F3019072 SEEDLIN		FOOT	477		
44004000 PAVED DITCH REMOVAL 542A0217 PIPE CULVERTS, CLASS 60109905 PIPE DRAINS 4" 60240215 NLETS, TYPE B, TYPE 1 67100100 MOBILZATION 42006416 TREE, QUERCUS ALBA (A2007620 TREE, TAXODIUM DISTIC B2009900 TREE, TAXODIUM DISTIC B2000900 TREE, AMELANCHER AF B2010042 TREE, CHONANTHUS VI B2010070 TREE, CLADRASTIS KEN C2004240 SHRUB, LINDEN BENZOID C2005960 SHRUB, RHUS GLABRA (F30021Y2 SEEDLING-ACER RUBRI F30041Y2 SEEDLING-CARYA OVAT F30041Y2 SEEDLING-CARYA OVAT F30041Y2 SEEDLING-QUERCUS AL F30151Y2 SEEDLING-QUERCUS AL F30160Y2 SEEDLING-QUERCUS RI F30160Y2 SEEDLING-GUERCUS RI F3019072 SEEDLING-GUERCUS RI F3019072 SEEDLING-GUERCUS RI F3019072 SEEDLING-GUERCUS RI F30210Y2 SEEDLING-GUERCUS RI F30210Y2 SEEDLING-GUERCUS RI F30210Y2 SEEDLING-GUERCUS RI F30210Y2 SEEDLING-GRONUS SEE F30210Y2 SEEDLING-GRONUS SEE F30210Y2 SEEDLING-GRONUS SEE F30210Y2 SEEDLING-CRONUS SEE F30210Y2 SEEDLING-CRONUS SEE F30210Y2 SEEDLING-CRONUS SEE F30210Y2 SEEDLING-SAMELANCHIE F30220Y2 SEEDLING-CRONUS SEE F30210Y3 SEEDLING-CRONUS SEE F30210Y3 SEEDLING-CRONUS SEE F30210Y3 SEEDLING-CRONUS SEE F30210Y3 SEEDLING-CRONUS SEE F30210Y4 SEEDLING-CROS CAN G20050Y2 SEEDLING-CROS CAN G20050Y2 SEEDLING-CROS SAMELANCHIE F30220Y2 SEEDLING-CROS CAN G20050Y3 REMOVE AND RELAYEN K1003679 NITERPRETIVE SIGNAGE X0358300 REMOVE AND RELAYEN K306060505 CONCRETE CURB (SPEC X70105015 TRAFFIC CONTROL ROL Z005194-5 TREE, ACER SACCHARU		SQ YD	35		
542A0217 PIPE CULVERTS, CLASS 6010905 PIPE DRAINS 4" 60240215 NLETS, TYPE B, TYPE 1 6710010 MOBILZATION A2006416 TREE, QUERCUS ALBA (A2007620 TREE, TAXODIUM DISTIC B2000900 TREE, AMELANCHER AF B2010042 TREE, CHIONANTHUS VIM B2010070 TREE, CLADRASTIS KEN C2004240 SHRUB, INDEN BENZOII C2005865 SHRUB, RHUS AROMATIS C2005865 SHRUB, RHUS GLABRA (F30021Y2 SEEDLING-ACER RUBRL F30041Y2 SEEDLING-CARYA OVAT F30041Y2 SEEDLING-CARYA OVAT F30041Y2 SEEDLING-QUERCUS AL F30120Y2 SEEDLING-QUERCUS AL F30160Y2 SEEDLING-QUERCUS PI F30160Y2 SEEDLING-QUERCUS PI F30160Y2 SEEDLING-GUERCUS PI F30160Y2 SEEDLING-GUERCUS PI F30160Y2 SEEDLING-GUERCUS RI F30210Y2 SEEDLING-GUERCUS RI F30210Y2 SEEDLING-GUERCUS RI F30160Y2 SEEDLING-		SQFT	6,54		
6010905 PIPE DRAINS 4" 60240215 NILETS, TYPE B, TYPE 1 67100100 MOBILIZATION A2006416 TREE, QUERCUS ALBA (A2007620 TREE, TAXDDIM DISTIC B2000900 TREE, AMELANCHER AF B2010042 TREE, CHIONANTHUS VI B2010070 TREE, CLADRASTIS KEN C2005865 SHRUB, RHUS AROMATIC C2005865 SHRUB, RHUS AROMATIC C2005960 SHRUB, RHUS CLABRA (F30021Y2 SEEDLING-CARYA ULLINIC F30021Y2 SEEDLING-CARYA ULLINIC F30120Y2 SEEDLING-QUERCUS PL F30160Y2 SEEDLING-QUERCUS PL F30160Y2 SEEDLING-QUERCUS PL F30190Y2 SEEDLING-GUERCUS PL F30190Y2 SEEDLING-TILIA AMERIC F30220Y2 SEEDLING-CROIS CAN G20050Y2 SEEDLING-CROIS CAN G20050Y2 SEEDLING-CORNUS SEF K0013000 PERENNIAL PLANTS, PR K0013030 PERENNIAL PLANTS, WE K1003679 MULCH X0325789 NTERPRETIVE SIGNAGE X0358300 REMOVE AND RELAYEN X03605005 CONCRETE CURB (SPEC X7010216 TRAFFIC CONTROL AND Z0055905 TEMPORARY CONSTRUC X(X0086/3 BOARDWALK STRUCTUS Z00194+5 TREE, ACER SACCHARU		FOOT	132		
MOSCIONE MOSCIONE	S A, TYPE 1 12"	FOOT	40		
67100100 MOBILIZATION A2006416 TREE, QUERCUS ALBA (A2007620 TREE, TAXODIUM DISTIC B2000900 TREE, AMELANCHER AF B2010042 TREE, CHIONANTHUS VI B2010070 TREE, CHIONANTHUS VI B2010070 TREE, CLADRASTIS KEN C2005865 SHRUB, LINDEN BENZOI C2005865 SHRUB, RHUS AROMATIC C2005960 SHRUB, LINDEN BENZOI F30021172 SEEDLING-AOER RUBRR F30024072 SEEDLING-AOER RUBRR F3014072 SEEDLING-QUERCUS AF F3014072 SEEDLING-QUERCUS PF F3016072 SEEDLING-QUERCUS PF F3016072 SEEDLING-QUERCUS PF F3016072 SEEDLING-GUERCUS PF F3019072 SEEDLING-FAMELANCHIE F3022074 SEEDLING-FAMELANCHIE F3022075 SEEDLING-FAMELANCHIE F302305074 SEEDLING-GERCIS CAN K0013030 PERENNIAL PLANTS, WE K10013030 PERENNIAL PLANTS, WE K10013030 PERENNIAL PLANTS, WE K10013030 PERENNIAL PLANTS, WE K1003679 MULCH X0325789 INTERPRETIVE SIGNAGE X058300 REMOVE AND RELAYEN X0585905 TEMPORARY CONSTRUC X00766/3 BOARDWALK STRUCTUR Z0059945 TREE, ACER SACCHARU		FOOT	94		
A2006416 TREE, QUERCUS ALBA (A2007620 TREE, AMELANCHER AF B2009090 TREE, AMELANCHER AF B2010042 TREE, CHIONANTHUS VI B2010070 TREE, CLADRASTIS KEN C2004240 SHRUB, LINDEN BENZOII C2005865 SHRUB, RHUS AROMATIC C2005865 SHRUB, RHUS AROMATIC C2005960 SHRUB, RHUS GLABRA (F30021Y2 SEEDLING-ACER RUBRU F30041Y2 SEEDLING-ACRECUS AV F30140Y2 SEEDLING-QUERCUS PF F30160Y2 SEEDLING-QUERCUS PF F30160Y2 SEEDLING-QUERCUS PF F30160Y2 SEEDLING-GUERCUS ME F30210Y2 SEEDLING-AMELANCHE F30220Y2 SEEDLING-CRRUS CAN G20050Y2 SEEDLING-CORNUS SEF K0013000 PERENNAL PLANTS, WE K10013030 PERENNAL PLANTS, WE K10013030 PERENNAL PLANTS, WE K10013030 REMOVE AND RELAYEN K1003679 MULCH X0325789 NTERPRETIVE SIGNAGE X0586300 REMOVE AND RELAYEN K0606050 CONCRETE CURB (SPEC X7010216 TRAFFIC CONTROL AND Z0055905 TEMPORARY CONSTRUC X0066/35 BOARDWALK STRUCTUR Z0051945 TREE, ACER SACCHARU	FRAME, CLOSED LID	EACH	1		
A2007620 TREE, TAXODIUM DISTIC B2009000 TREE, AMELANCHER AF B2010042 TREE, CHONANTHUS VI B2010070 TREE, CLADRASTIS KEN C2004240 SHRUB, LINDEN BENZOID SHRUB, RHUS AROMATIC C2005960 SHRUB, RHUS GLABRA (F30021Y2 SEEDLING-CARYA OVAT F30041Y2 SEEDLING-CARYA OVAT F30041Y2 SEEDLING-CARYA OVAT F30140Y2 SEEDLING-QUERCUS AL F30151Y2 SEEDLING-QUERCUS AL F30151Y2 SEEDLING-QUERCUS RF30160Y2 SEEDLING-GUERCUS RF30160Y2 SEEDLING-GUERCUS RF30190Y2 SEEDLING-GUERCUS RF30210Y2 SEEDLING-GREGUS RF50190Y2 SEEDLING-GREGUS RF50013000 PERENNIAL PLANTS, PR K0013030 PERENNIAL PLANTS, WE K1003679 MULCH STROMAN SEEDLING-CREGIS CAN K1003679 MULCH STROMAN SEEDLING-CREGIS CAN K1003679 MULCH STROMAN SEEDLING-CREGIS CAN CREGUS CONCRETE CURB (SPEC K7015015) TREPRETIVE SIGNAGE X0356300 REMOVE AND RELAYEN CXOS660505 TEMPORARY CONSTRUC XCOS6/3 BOARDWALK STRUCTUS TREE, ACER SACCHARU		LSUM	1		
B2000900 TREE, AMELANCHER AF B2010042 TREE, CHIONANTHUS VIB B2010070 TREE, CLADRASTIS KEN C2004240 SHRUB, INDEN BENZOI C2005865 SHRUB, RHUS GLABRA (F30021Y2 SEEDLING-CARYA OVAT F30041Y2 SEEDLING-CARYA OVAT F30041Y2 SEEDLING-CARYA LLINIC F30120Y2 SEEDLING-QUERCUS AL F30140Y2 SEEDLING-QUERCUS AL F30160Y2 SEEDLING-QUERCUS PF F30151Y2 SEEDLING-QUERCUS RP F30160Y2 SEEDLING-GUERCUS RP F30160Y2 SEEDLING-FAMELANCHIE F30220Y2 SEEDLING-CORNUS SEE F30210Y2 SEEDLING-CORNUS SEE F30013000 PERENNIAL PLANTS, PR K0013000 PERENNIAL PLANTS, PR K1001369 RRIGATION SYSTEM SPE K1003579 MIJLCH X0325789 NTERPRETIVE SIGNAGE X0355905 TEMPORARY CONSTRUC X0505905 TEMPORARY CONSTRUC X0505905 TREE, ACER SACCHARU Z0051945 TREE, ACER SACCHARU	(WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	7		
B2010042 TREE, CHIONANTHUS VII B2010070 TREE, CLADRASTIS KEN C2002404 SHEE, CLADRASTIS KEN C2005865 SHRUB, RHUS AROMATIC C2005960 SHRUB, RHUS AROMATIC C2005960 SHRUB, RHUS GLABRA (F30021Y2 SEEDLING-ACER RUBRL F30040Y2 SEEDLING-CARYA OVAT F30041Y2 SEEDLING-QUERCUS AL F30140Y2 SEEDLING-QUERCUS PR F30160Y2 SEEDLING-QUERCUS PR F30151Y2 SEEDLING-QUERCUS PR F30160Y2 SEEDLING-GUERCUS PR F30190Y2 SEEDLING-RUBRCUS PR F30190Y2 SEEDLING-STEIN F30190Y2 SEEDL	CHUM (COMMON BALD CYPRESS), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	6		
B2010070 TREE, CLADRASTIS KEN C2004240 SHRUB, LNDEN BENZOID C2005865 SHRUB, RHUS GLABRA (F30021Y2 SEEDLING-CARYA OVAT F30040Y2 SEEDLING-CARYA OVAT F30040Y2 SEEDLING-CARYA ILLINK F30120Y2 SEEDLING-QUERCUS AL F30151Y2 SEEDLING-QUERCUS AL F30151Y2 SEEDLING-QUERCUS RI F30160Y2 SEEDLING-QUERCUS RI F30190Y2 SEEDLING-GUERCUS RI F30210Y2 SEEDLING-GUERCUS RI F30210Y2 SEEDLING-GREGUS CAN G20050Y2 SEEDLING-AMELANCHIE F30220Y2 SEEDLING-AMELANCHIE F30220Y2 SEEDLING-SAMELANCHIE F30230Y2 SEEDLING-SAMELANCHIE F30230Y2 SEEDLING-CRROIS CAN G20050Y2 SEEDLING-CRROIS CAN G20050Y2 SEEDLING-CRROIS SEE F30013030 PERENNIAL PLANTS, WE K10013030 PERENNIAL PLANTS, WE K1001388 RRIGATION SYSTEM SPE K1003679 MULCH X0325789 NTERPRETIVE SIGNAGE X0358300 REMOVE AND RELAYEN K06060505 CONCRETE CURB (SPEC X7010216 TRAFFIC CONTROL AND Z0055905 TEMPORARY CONSTRUC XX0986/3 BOARDWALK STRUCTUR BO	ARBOREA (DOWNY SERVICEBERRY), 6' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH.	10		
C2004240 SHRUB, LINDEN BENZOII C2005865 SHRUB, RHUS GLABRA (F30021Y2 SEEDLING-ACER RUBRI F30041Y2 SEEDLING-CARYA OVAT F30041Y2 SEEDLING-CARYA LLINIC F30141Y2 SEEDLING-CARYA LLINIC F30140Y2 SEEDLING-QUERCUS AL F30140Y2 SEEDLING-QUERCUS PF F30151Y2 SEEDLING-QUERCUS RUBRI F30151Y2 SEEDLING-QUERCUS RUBRI F30190Y2 SEEDLING-QUERCUS RUBRI F30210Y2 SEEDLING-GUERCUS RUBRI F30220Y2 SEEDLING-GUERCUS RUBRI F30220Y2 SEEDLING-GUERCUS RUBRI F30230Y2 SEEDLING-TILIA AMERIC. F30210Y2 SEEDLING-CORNUS SEE F0013000 PERENNIAL PLANTS, PR K0013030 PERENNIAL PLANTS, PR K10013030 PERENNIAL PLANTS, PR K1003679 MULCH X0325789 NITERPRETIVE SIGNAGE X058300 REMOVE AND RELAYEN K50608055 CONCRETE CURB (SPEC X7010216 TRAFFIC CONTROL AND Z0055905 TEMPORARY CONSTRUC XX0086/3 BOARDWALK STRUCTUR Z0051945 TREE, ACER SACCHARU	/IRGINICUS (WHITE FRINGE TREE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	4		
C20058GS SHRUB, RHUS AROMATIC C2005960 SHRUB, RHUS GLABRA (C2005960 SHRUB, RHUS GLABRA (F30021Y2 SEEDLING-ACER RUBRIC F30021Y2 SEEDLING-CARYA OVAT F30041Y2 SEEDLING-QUERCUS AL F30140Y2 SEEDLING-QUERCUS PL F30140Y2 SEEDLING-QUERCUS PL F30151Y2 SEEDLING-QUERCUS PL F30190Y2 SEEDLING-GUERCUS PL F30190Y2 SEEDLING-GUERCUS PL F30210Y2 SEEDLING-GUERCUS PL F30220Y2 SEEDLING-TILIA AMERIC F30220Y2 SEEDLING-GCROS CAN K0013030 PERENNIAL PLANTS, PR K0013030 PERENNIAL PLANTS, WE K10013630 PERENNIAL PLANTS, WE K10013630 PERENNIAL PLANTS, WE K1003679 MULCH X0325789 NITERPRETIVE SIGNAGE X0358300 REMOVE AND RELAY EN K06060505 CONCRETE CURB (SPE X7010216 TRAFFIC CONTROL AND Z0055905 TEMPORARY CONSTRUC X(X0086/3) BOARDWALK STRUCTUR Z0051945 TREE, ACER SACCHARU	NTUKEA (AMERICAN YELLOWWOOD). 2" CALIPER, BALLED AND BURLAPPED	EACH	4		
C2005960 SHRUB, RHUS GLABRA (F30021Y2 SEEDLING-ACER RUBRL F30040Y2 SEEDLING-CARYA OVAT F30041Y2 SEEDLING-CARYA LLINIC F30120Y2 SEEDLING-QUERCUS AL F30140Y2 SEEDLING-QUERCUS PL F30151Y2 SEEDLING-QUERCUS PL F30151Y2 SEEDLING-QUERCUS PL F30190Y2 SEEDLING-GUERCUS RU F30120Y2 SEEDLING-TLIA AMERIC F30210Y2 SEEDLING-TLIA AMERIC F30220Y2 SEEDLING-CORNUS SEF K0013000 PERENNAL PLANTS, PR K0013030 PERENNAL PLANTS, WE K10013930 PERENNAL PLANTS, WE K10013930 PERENNAL PLANTS, WE K1003679 MULCH X0325789 NITERPRETIVE SIGNAGE X0358300 REMOVE AND RELAY EN K06086055 CONCRETE CURB (SPE X7010216 TRAFFIC CONTROL AND Z0055905 TEMPORARY CONSTRUC XXOPX6/3 BOARDWALK STRUCTUR Z0051945 TREE, ACER SACCHARU	DIN (SPICEBUSH), 2' HEIGHT, CONTAINER	EACH	24		
F3002172 SEEDLING-ACER RUBRL F30040Y2 SEEDLING-CARYA OVAT F30041Y2 SEEDLING-CARYA LLINK F300120Y2 SEEDLING-QUERCUS AL F30140Y2 SEEDLING-QUERCUS PL F30160Y2 SEEDLING-QUERCUS PL F30160Y2 SEEDLING-QUERCUS RL F302190Y2 SEEDLING-TILIA AMERIC. F30220Y2 SEEDLING-CERCIS CANGOUS SEEDLING-CERCIS CANGOUS SEEDLING-CUS FUNCIONAL SEEDLING-CERCIS CANGOUS SEEDLING-CUS FUNCIONAL SEEDLING-CERCIS CANGOUS SEEDLING-CUS FUNCIONAL SEEDLING-CERCIS CANGOUS SEEDLING-CUS FUNCIONAL SEEDLING-CUS FUNCIONAL SEEDLING-CERCIS CANGOUS SEEDLING-QUERCUS FUNCIONAL SEEDLING-CUS F	TICA GRC-LOW (GRO-LOW FRAGRANT SUMAC), 5-GALLON	EACH	30		
F30040Y2 SEEDLING-CARYA OVAT F30041Y2 SEEDLING-QUERCUS AL F30140Y2 SEEDLING-QUERCUS PH F30160Y2 SEEDLING-QUERCUS PH F30160Y2 SEEDLING-QUERCUS PH F30160Y2 SEEDLING-TILIA AMERIC. F30210Y2 SEEDLING-TILIA AMERIC. F30220Y2 SEEDLING-GERIS CAN. G20050Y2 SEEDLING-GORNUS SER K0013000 PERENNIAL PLANTS, PR K0013030 PERENNIAL PLANTS, WE K1001988 RRIGATION SYSTEM SPE K1003679 MULCH K1001988 RRIGATION SYSTEM SPE K1001998 RRIGATION SYSTEM SPE K1001998 RRIGATION SYSTEM SPE K1001998 RRIGATION SYSTEM SPE K1001998 RRIGATION SYSTEM SPE K1001999 RRIGATION SYSTEM SPE K1001999 RRIGATION SYSTEM SPE K1001999 RRIGATION SYSTEM SPE RRIGATION SYSTEM SPE K1001999 RRIGATION SYSTEM SPE	(SMOOTH SUMAC), 5' HEIGHT, BALLED AND BURLAPPED	EACH	20		
F30041Y2 SEEDLING-CARYA ILLINK F30120Y2 SEEDLING-QUERCUS AL F30140Y2 SEEDLING-QUERCUS PH F30160Y2 SEEDLING-QUERCUS PH F30160Y2 SEEDLING-QUERCUS RI F30190Y2 SEEDLING-GUERCUS RI F30210Y2 SEEDLING-AMELANCHIE F30220Y2 SEEDLING-CRRIS CAN G20050Y2 SEEDLING-CORNUS SEF K0013000 PERENNAL PLANTS, PR K0013030 PERENNAL PLANTS, PR K1001988 RRIGATION SYSTEM SPE K1003679 MULCH K1003679 MULCH K30325789 NTERPRETIVE SIGNAGE X0358300 REMOVE AND RELAYEN K30606055 CONCRETE CURB SPEC X7010216 TRAFFIC CONTROL AND TRAFFIC CONSTRUC X0086/3 BOARDWALK STRUCTUR 2001945 TREE, ACER SACCHARU	RUM (RED MAPLE), 2-YEAR OLD, BARE ROOT	UNIT	0.56		
F30120Y2 SEEDLING-QUERCUS AL F30140Y2 SEEDLING-QUERCUS MP F30151Y2 SEEDLING-QUERCUS PP F30151Y2 SEEDLING-QUERCUS RP F30160Y2 SEEDLING-QUERCUS RP F30210Y2 SEEDLING-QUERCUS RP F30210Y2 SEEDLING-GORNUS SEE F30220Y2 SEEDLING-CERCIS CAN G20050Y2 SEEDLING-CERCIS CAN G20050Y2 SEEDLING-CERCIS CAN K0013030 PERENNIAL PLANTS, PR K0013030 PERENNIAL PLANTS, PR K1003630 PERENNIAL PLANTS, PR K1003630 PRENNIAL PLANTS, PR K1003630 PRENNIAL PLANTS, PR K1003657 MULCH X0325789 NITERPRETIVE SIGNAGE X0585300 REMOVE AND RELAYEN K6060505 CONCRETE CURB (SPEC X7010216 TRAFFIC CONTROL AND Z0055905 TEMPORARY CONSTRUCT XX 0086/3 BOARDWALK STRUCTUR Z0051945 TREE, ACER SACCHARU	TA (SHAGBARK HICKORY), 2-YEAR OLD, BARE ROOT	UNIT	0.56		
F30140Y2 SEEDLING-QUERCUS M/F30151Y2 SEEDLING-QUERCUS PI/F30160Y2 SEEDLING-QUERCUS RIF30190Y2 SEEDLING-TILIA AMERIC. F30220Y2 SEEDLING-CERCIS CAN.	IIOSIS (PECAN), 2-YEAR OLD, BARE ROOT	UNIT	0.56		
F30151Y2 SEEDLING-QUERCUS PF F30160Y2 SEEDLING-QUERCUS RI F30190Y2 SEEDLING-TILIA AMERIC. F30210Y2 SEEDLING-TILIA AMERIC. F30220Y2 SEEDLING-GERCIS CAN. G20050Y2 SEEDLING-CORNUS SER K0013000 PERENNIAL PLANTS, PR K0013030 PERENNIAL PLANTS, WE K1001988 IRRIGATION SYSTEM SPE K1003679 MULCH X0325789 INTERPRETIVE SIGNAGE X0358300 REMOVE AND RELAY EN X06060505 CONCRETE CURB (SPEC X7010216 TRAFFIC CONTROL AND Z0055905 TEMPORARY CONSTRUC (X0086)3 BOARDWALK STRUCTUR Z001945 TREE, ACER SACCHARU	ALBA (WHITE OAK), 2-YEAR OLD, BARE ROOT	UNIT	0.5€		
F30160Y2 SEEDLING-QUERCUS RL F30190Y2 SEEDLING-TILIA AMERIC. F30210Y2 SEEDLING-CERCIS CAN- G20050Y2 SEEDLING-CERCIS CAN- G20050Y2 SEEDLING-CORNUS SEE K0013000 PERENNIAL PLANTS, PR K0013030 PERENNIAL PLANTS, WE K1001398 IRRGATION SYSTEM SPE K1003679 MULCH X0325789 NTERPRETIVE SIGNAGE X0358300 REMOVE AND RELAY EN X60606055 CONCRETE CURB (SPEC X7010216 TRAFFIC CONTROL AND Z0055905 TEMPORARY CONSTRUCT X0026/13 BOARDWALK STRUCTUR Z001945 TREE, ACER SACCHARU	MACROCARPA (BUR OAK), 2-YEAR OLD, BARE ROOT	UNIT	0.56		
F30190Y2 SEEDLING-TILIA AMERIC, F30210Y2 SEEDLING-AMELANCHIE F30220Y2 SEEDLING-CERCIS CAN- G20050Y2 SEEDLING-CORNUS SEF K0013000 PERENNIAL PLANTS, PR. K0013030 PERENNIAL PLANTS, PR. K1001988 RRIGATION SYSTEM SPE K1003679 MULCH X0325789 NITERPRETIVE SIGNAGE X0358300 REMOVE AND RELAYEN X6060505 CONCRETE CURB (SPEC X7010216 TRAFFIC CONTROL AND Z0055905 TEMPORARY CONSTRUC X0026/3 BOARDWALK STRUCTUR Z001945 TREE, ACER SACCHARU	PHELLOS (WILLOW OAK), 2-YEAR OLD, BARE ROOT	UNIT	0.56		
F30210Y2 SEEDLING-AMELANCHIE F30220Y2 SEEDLING-CERCIS CAIN. G20050Y2 SEEDLING-CORNUS SER K0013000 PERENNIAL PLANTS, PR K0013030 PERENNIAL PLANTS, WE K1001988 IRRIGATION SYSTEM SPE K1003679 MULCH X0325789 INTERPRETIVE SIGNAGE X0358300 REMOVE AND RELAYEN K06060505 CONCRETE CURB (SPEC X7010216 TRAFFIC CONTROL AND Z0055905 TEMPORARY CONSTRUC (X0086)3 BOARDWALK STRUCTUR Z001945 TREE, ACER SACCHARU	RUBRA (RED OAK), 2-YEAR OLD, BARE ROOT	UNIT	0.56		
F30220Y2 SEEDLING-CERCIS CAN. G20050Y2 SEEDLING-CORNUS SEF. K0013000 PERENNAL PLANTS, PR. K0013030 PERENNAL PLANTS, WE K1001988 RRIGATION SYSTEM SPE K1003679 MULCH X0325789 NTERPRETIVE SIGNAGE X0358300 REMOVE AND RELAY EN K0606050 CONCRETE CURB (SPEC X7010216 TRAFFIC CONTROL AND Z0055905 TEMPORARY CONSTRUC X(X0086)3 BOARDWALK STRUCTUR Z001945 TREE, ACER SACCHARU	CANA (AMERICAN LINDEN), 2-YEAR OLD, BARE ROOT	UNIT	0.56		
G20050Y2 SEEDLING-CORNUS SER K0013000 PERENNIAL PLANTS, PR. K0013030 PERENNIAL PLANTS, WE K1003679 MULCH X0325789 INTERPRETIVE SIGNAGE X0358300 REMOVE AND RELAYEN X6060505 CONCRETE CURB (SPEC X7010216 TRAFFIC CONTROL AND Z0055905 TEMPORARY CONSTRUCTUR X6060505 TEMPORARY CONSTRUCTUR X6078675 BOARDWALK STRUCTUR Z0051945 TREE, ACER SACCHARU	IER CANADENSIS (SHADBLOW SERVICEBERRY), 2-YEAR OLD, BARE ROOT	UNIT	0.57		
K0013000 PERENNIAL PLANTS, PR.	NADENSIS (EASTERN REDBUD), 2-YEAR OLD, BARE ROOT	UNIT	0.57		
K0013030 PERENNIAL PLANTS, WE K10013030 PERENNIAL PLANTS, WE K1003679 MULCH CONTROL OF CONTROL OF CONTROL AND RELAYED CONTROL AND RELAYED CONTROL AND RELAYED CONTROL AND RELAYED CONTROL AND CONTROL AND CONTROL OF CO	RICEA (REDOSIER DOG WOOD), 2-YEAR OLD, BARE ROOT	UNIT	0.57		
K1001988 RRIGATION SYSTEM SPE K1003679 MULCH X0325789 NTERPRETIVE SIGNAGE X0358300 REMOVE AND RELAYEN X6060505 CONCRETE CURB (SPEC X7010216 TRAFFIC CONTROL AND Z0055905 TEMPORARY CONSTRUC X0056915 BOARDWALK STRUCTUR Z001945 TREE, ACER SACCHARU	RAIRIE TYPE, 2" DIAMETER BY 4" DEEP PLUG	UNIT	74.5		
K1003679 MULCH X0325789 NTERPRETIVE SIGNAGE X0358300 REMOVE AND RELAYEN X6060505 CONCRETE CURB (SPEC X7010216 TRAFFIC CONTROL AND Z0055905 TEMPORARY CONSTRUC X0078613 BOARDWALK STRUCTUR Z001945 TREE, ACER SACCHARU	ÆTLAND TYPE, 2" DIAMETER BY 4" DEEP PLUG	UNIT	14.9		
X0325789 NTERPRETIVE SIGNAGE X0358300 REMOVE AND RELAY EN K0606050 CONCRETE CURB (SPEC X7010216 TRAFFIC CONTROL AND Z0055905 TEMPORARY CONSTRUCT (X0086)3 BOARDWALK STRUCTUB Z001945 TREE, ACER SACCHARU	PECIAL	LSUM	1		
X0358300 REMOVE AND RELAYEN X6060505 CONCRETE CURB (SPEC X7010216 TRAFFIC CONTROL AND Z0055905 TEMPORARY CONSTRUC XX0086/3 BOARDWALK STRUCTUR Z001945 TREE, ACER SACCHARU		CUYD	149		
X6060505 CONCRETE CURB (SPEC X7010216 TRAFFIC CONTROL AND Z0055905 TEMPORARY CONSTRUC XXOD 26/13 BOARDWALK STRUCTUR Z001945 TREE, ACER SACCHARU		EACH	10		
X7010216 TRAFFIC CONTROL AND Z0055905 TEMPORARY CONSTRUC (XOO86/3 BOARDWALK STRUCTUF Z001945 TREE, ACER SACCHARU		EACH	1		
Z0055905 TEMPORARY CONSTRUCTURE XX 0086/3 BOARDWALK STRUCTURE 200194-5 TREE, ACER SACCHARU		FOOT	347		
(X0086/3 BOARDWALK STRUCTUR 2001945 TREE, ACER SACCHARU	D PROTECTION, (SPECIAL)	L SUM	1.		
2001945 TREE, ACER SACCHARU		FOOT	241		
		EACH	1		
	RUM OCTOBER GLORY (OCTOBER GLORY SUGAR MAPLE) 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	16		
	ICHOTOMA (PURPLE BEAUTYBERRY), CONTAINER GROWN, 3-GALLON	EACH	40		
2003392 SHRUB, HIBISCUS SYRIA	ACUS DIANE (DIANE ROSE OF SHARON), 5' HEIGHT, BALLED AND BURLAPPED	EACH	8		
XX008614 TENSILE SHADE STRUCT	CTURE CONTROL OF THE	EACH	1		

	GENERAL	10-00026-02-LS MADISON 10	
	CENTERLINE OF PROPOSED IMPROVEMENT		CONTRACT NO. 97484 EXISTING INLET
P. D. W. second processing and the second pr	EXISTING RIGHT-OF-WAY LINE	States strong	EXISTING PIPE CULVERT
<u>R</u> .O. <u>W</u> .	PROPOSED RIGHT-OF-WAY LINE	acception contracts to the contract of the con	EXISTING SANITARY SEWER
T.C.E	- TEMPORARY CONSTRUCTION EASEMENT	and an employment and the second	EXISTING STORM SEWER
<u> </u>	PROPERTY LINE	water with the second s	EXISTING WATER LINE
<u>S.L.</u>	— SECTION LINE	constructed & free amount of the first of the construction of the first of the construction of the constru	EXISTING GAS LINE
1/2 S.L.	— 1/2 SECTION LINE		EXISTING TELEPHONE LINE
(P.)	IRON PIPE FOUND	FOI-	EXISTING FIBER OPTIC CABLE
	IRON PIPE SET	named to propose the propose of the	EXISTING ELECTRIC CABLE
⊕ MON,	MONUMENT FOUND		EXISTING PIPE LINE
	PROPOSED R.O.W. MONUMENT		SIDEWALK TO BE REMOVED
and the second s	FENCE	() 18"	18" TREE
эссеноского поликамий постоления реденција опрозисного настирано	EDGE OF EXISTING FEATURES		SOIL BORING LOCATION
THE WHITE NAME AND ADDRESS AND	CONSTRUCTION LIMITS		PROPOSED DITCH
monomina de magante e e a moderno de la moderno de la maganese de la maganese de la maganese de la maganese de	EXISTING DITCH		PROPOSED INLET / PIPE PROTECTION
.	UTILITY POLE		PROPOSED PERIMETER EROSION BARRIER
of Species 3	UTILITY POLE W/ DOWN GUY	(431.20)	EXISTING SPOT ELEVATION
×	LIGHT POLE	437.00	PROPOSED SPOT ELEVATION

ABBREVIATIONS

COMMITMENTS	T.C. –	TOP OF CURB
NONE	E.P. –	EDGE OF PAVEMENT
	F.L. –	FLOW LINE
	F. & G	FRAME AND GRATE
	O.L. –	OPEN LID
	C.L. –	CLOSED LID
	SS1 -	STORM SEWER TYPE 1

GAS METER

WATER METER

FIRE HYDRANT

WATER OR GAS VALVE

TELEPHONE PEDESTAL EXISTING SIGN PROPOSED SIGN MAIL BOX

EXISTING MANHOLE CONTROL POINT

HIGHWAY STANDARDS

280001-06
542301-03
606001-04
701901-02
701801-05
720001-01
729001-01

U

D-Q

(o)

221		STORM SEWER TIPE I
T.B.	-	TRENCH BACKFILL
C	-	EARTH EXCAVATION QUANTITY SHOWN ON CROSS SECTIONS
=	-	EMBANKMENT QUANTITY SHOWN ON CROSS SECTIONS

SI	JRVEY	CONTRO	L POI	NTS
CONTROL POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP #1503	4441.1960	3846.2490	437.68	CUT "X"
CP #1504	4248.4890	3828.0620	436.05	CUT "X"
CP #1506	3927.1060	3833.7670	433.13	CUT "X"

SITE BENCHMARK	
b.m. # ELEVATION DESCRIPTION	7
B.M. #1 437.16 IRON PIN	1

Sheppard, Morgan & Schwaab, Inc. CONSULTING ENGINEERS AND LAND SURVEYORS
216 Market Sheet, P.O. Box E., Man, IL 62002 1619462-3755 E-mail, mail@armengineers.com 10-cental houseid Daws, Suite S, Garaie Opt, IL 62049 1618677-3700 E-mail mail@sunsengineers.com - TESICN FIRM # 184—0009992

SECTION

PROPOSED DEPRESSED CURB

PROPOSED DETECTABLE WARNING

PROPOSED TEMPORARY DITCH CHECK

PROPOSED HOT-MIX-ASPHALT SURFACING

COUNTY TOTAL SHEE NO.

VILLAGE OF HARTFORD, ILLINOIS
LEWIS AND CLARK MEMORIAL TOWER
TOWER LANDSCAPING
SECTION 10-00026-02-LS
GENERAL NOTES, LEGEND & CONTROI POINTS

DWG. NO.

IPHARITION 448079 CONFLUENCE TOWERY

TOWER CENERAL NOTES.DWG

4EF. BK. PG.

J.2B NO. 448079.0

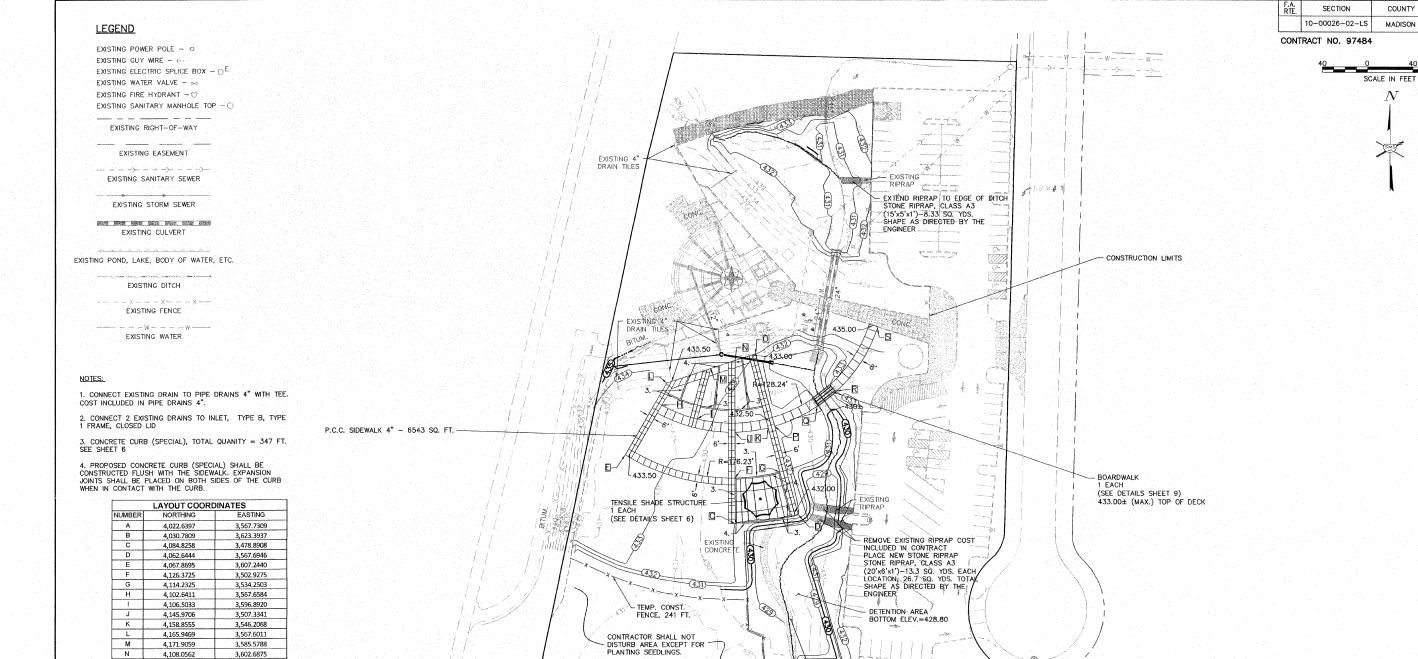
DSN. BY: LDA

DWN. BY: CAD

CHK. BY: CAS

CHK. BY: CAS

SCALE: NOT TO SCALE



EXISTING DRAINAGE STRUCTURE (TO REMAIN)

STORM SEWER PLAN

1"=20'

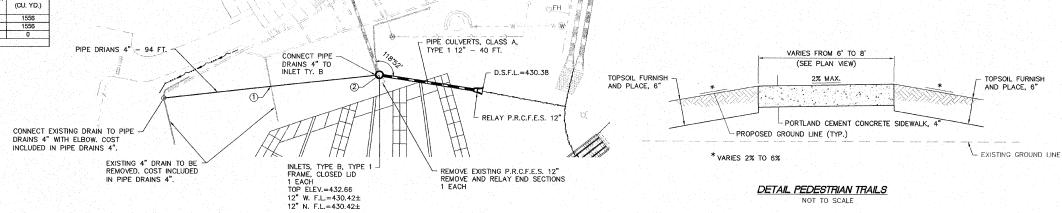
		EARTHWORK S	CHEDULE		
LOCATION	EARTH EXCAVATION (CUT) (CU. YD).	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE * (CU. YD.)	EMBANKMENT (FILL) (CU. YD.)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU. YD.)	FURNISHED EXCAVATION (CU. YD.)
TOWER GROUNDS	912	684	2240	-1556	1556
**	912	684	2240	-1556	1556
TOTAL	0	0	0	0	0
	•	ASSUME SHRINKAGE	FACTOR = 25%		

3,640.2491

3,657.4958

3,693.4561

** THE VILLAGE OF HARTFORD WILL PERFORM THE EARTHWORK EXCAVATION AND FURNISHED EXCAVATION FOR THE PROJECT SITE. THE VILLAGE WILL PERFORM THE WORK PRIOR TO THE CONTRACTOR STARTING.



PAVED DITCH REMOVAL - 132 FT.

T.B.M. #1 — IRON PIN 365.1' NORTH OF CENTER OF CUL-DE-SAC AND 21.2' WEST OF CENTER LINE, ELEV. 437.18

0

4,125.5802

4,139.2459

Q 4,194.7813

DWG. NO.

P\WRITORO 448079 CMFUENCE TOMEN\
TOWER PROPOSED SITE PLANDWG
REF. BK. PG.
JOB NO. 448079.0

DSN. BY: LDA

DWN. BY: CAD

CHK. BY: CAS

DATE: NOVEMBER 2011 SCALE: 1" = 40' SHEET 3 OF 10

VILLAGE OF HARTFORD, ILLINOIS LEWIS AND CLARK MEMORIAL TOWER TOWER LANDSCAPING SECTION 10-00026-02-LS PROPOSED SITE PLAN

TOTAL SHEET SHEETS NO.

10 3

Schwaab, I

Sheppard, Morgan & consulting engineers and Land su

COUNTY

MADISON

N

EXISTING 4" DRAIN TILES EXISTING -- EXISTING 4" DRAIN TILES EXISTING CONCRETE PAVED DITCH

TOTAL SHEE NO. F.A. RTE. SECTION COUNTY 10-00026-02-LS MADISON 10

CONTRACT NO. 97484

SCALE IN FEET N

Sheppard, Morgan & Schwaab, Inc. CONSULTING ENGINEERS AND LAND SURVEYORS
216 Market Street, P.O. Box E. Albrn. IL 62002 618462-39755. E-relat mali@armsengineers.com 10 Central hotastria Drive. Sules 5, Gentle Cop. IL 62040 618677-3700 E-relat mali@armsengineers.com DESIGN FIRM # 184—0000992

VILLAGE OF HARTFORD, ILLINOIS LEWIS AND CLARK MEMORIAL TOWER TOWER LANDSCAPING SECTION 10-00026-02-LS EXISTING SITE PLAN

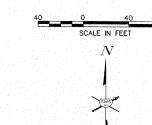
SCALE: 1"=40'

SHEET 4 OF 10

- IRON PIN 365.1' NORTH OF CENTER OF CUL-DE-SAC AND 21.2' WEST OF CENTER LINE, ELEV. 437.18 T.B.M. #1 -

LEGEND TEMPORARY EROSION CONTROL SEEDING -PERIMETER EROSION BARRIER - Q Q TEMPORARY DITCH CHECK - 10 FT. TEMPORARY DITCH CHECK - 10 FT. TEMPORARY DITCH CHECK - 10 FT. TEMP. DITCH CHECK - 40 FT. PERIMETER EROSION BARRIER - 162 FT. TEMP. DITCH CHECK - 40 FT. PERIMETER EROSION BARRIER - 315 FT.

CONTRACT NO. 97484



REVISIONS

Sheppard, Morgan & Schwaab, Inc.
CONSULTING ENGINEERS AND LAND SURVEYORS
S15 Martet Street, P.O. Box E, Man, IL SDOZ S184482-4775. E-mait mail@ensengineers.com
TO correla intaktie Unive. Suita S, Gantin CB, IL SDOJ S18847-3700. E-mait mail@ensengineers.com
DESIGN FIRM # 184—0009992.

SMS CONSUL ENGINEERS CONSUL DESIGNATION DE

VILLAGE OF HARTFORD, ILLINOIS
LEWIS AND CLARK MEMORIAL TOWER
TOWER LANDSCAPING
SECTION 10-00026-02-LS
EROSION CONTROL PLAN

DWG. NO.

LPINNETION 148079 CONFLUENCE IOMEN.

LPINNETION 148079 CONFLUENCE IOMEN.

REF. BK. PG.

JOB NO. 448079.0

DSN. BY: LDA

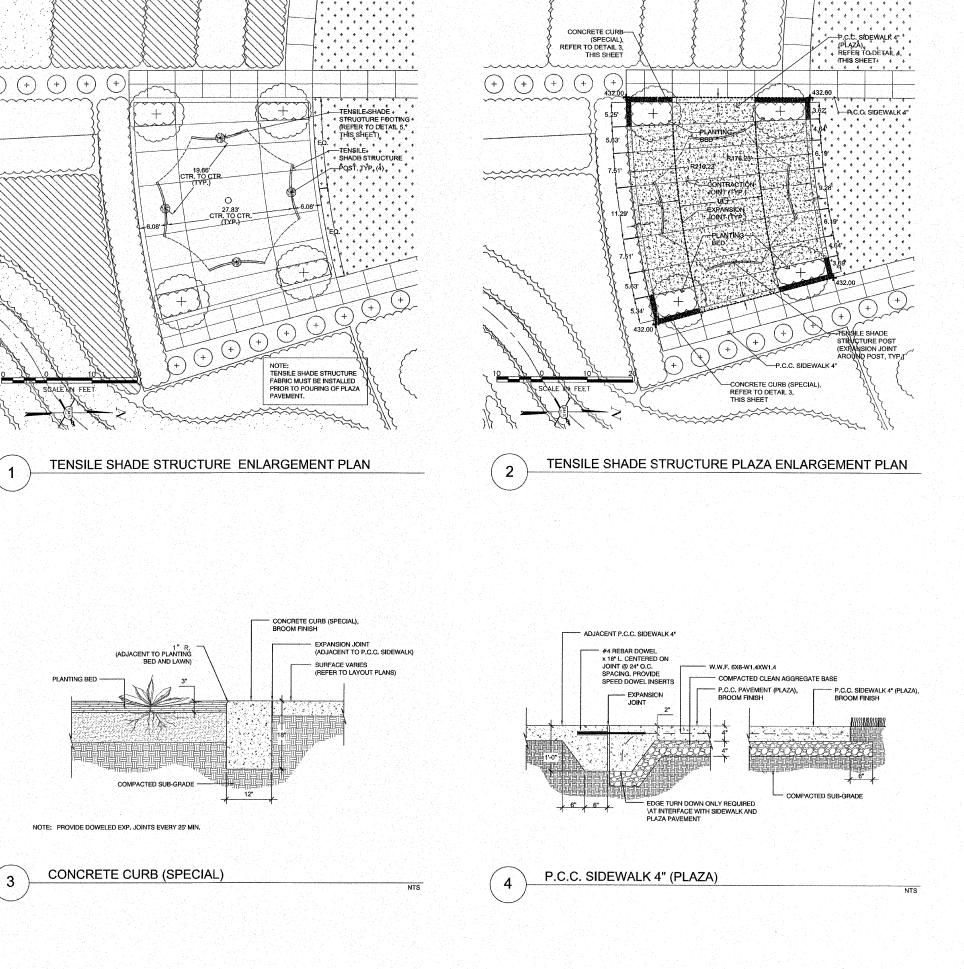
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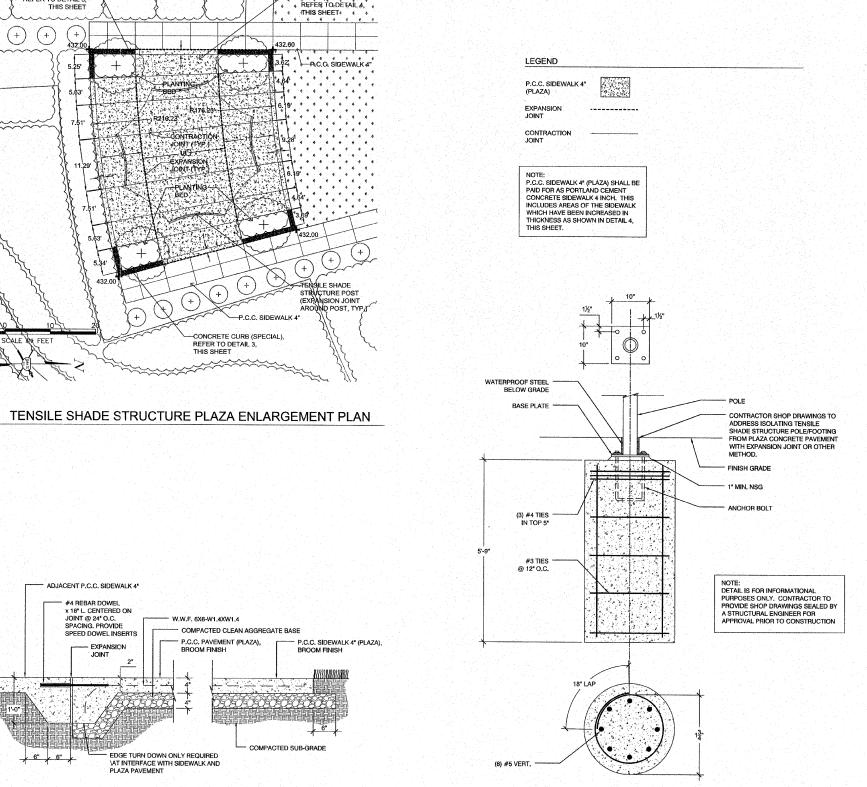
CHK. BY: CAS

DATE: NOVEMBER, 2011.

SCALE: 1" = 40'

SHEET 5 OF 10





5

TENSILE SHADE STRUCTURE FOOTING DETAIL

DWG. NO. LP\HARIFORD 448079 CONFLUENCE TOWER\ SCALE: NTS SHEET 6 OF 10

TOTAL SHEET SHEETS NO.

10 6

COUNTY

MADISON

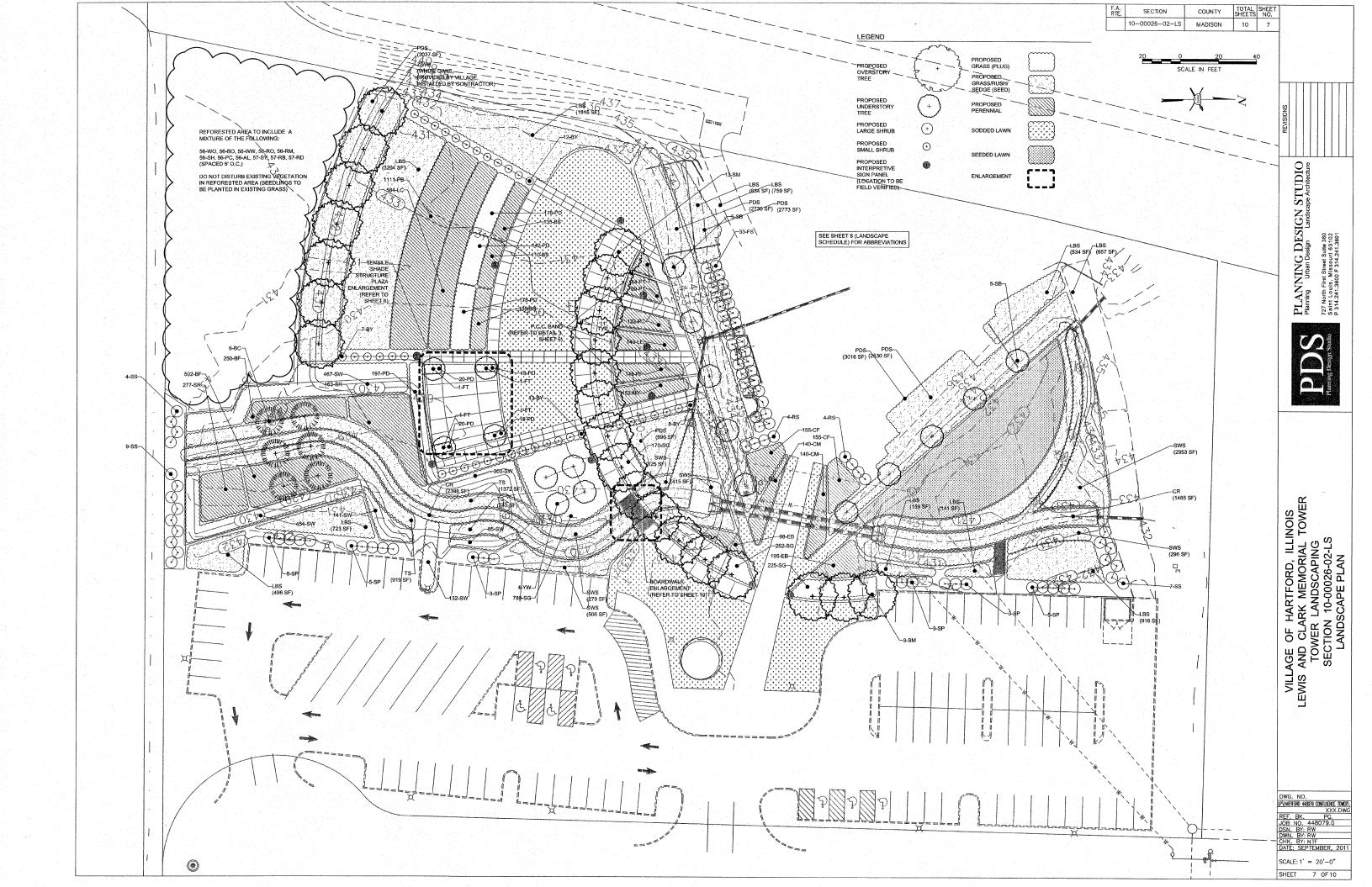
SECTION

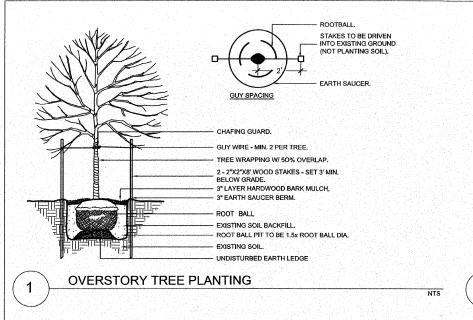
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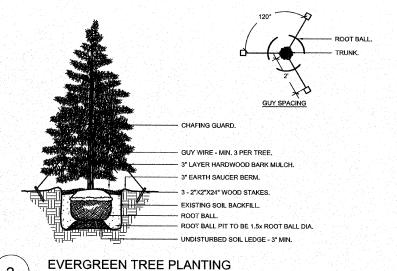
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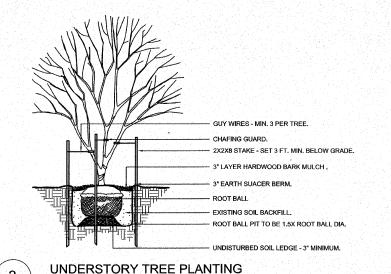
PLANNING DESIGN 727 North First Street Suite 360 Saint Louis, Missouri 63102 P 314.241.3600 F 314.241.3601

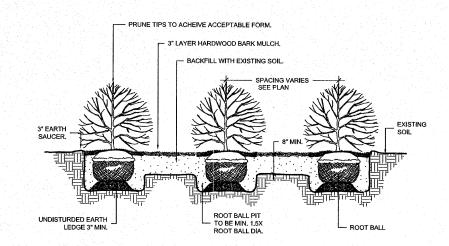
VILLAGE OF HARTFORD, ILLINOIS LEWIS AND CLARK MEMORIAL TOWER TOWER LANDSCAPING SECTION 10-00026-02-LS DETAILS OF CONSTRUCTION













3

5

SPACING "D"	ROW "A"	NO. OF PLANTS	AREA UNIT
10" O.C.	8.66"	1.66	1 sq. ft.
12" O.C.	10.4"	1.15	
15" O.C.	13.0"	7.38	10 sq. ft.
18" O.C.	15.6"	5.12	
24" 0.C.	20.8"	2.9	
30" O.C.	26.0"	1.85	
36" O.C.	30.0"	1.28	
4' O.C.	4.33'	4.61	100 sq. ft.
6' O.C.	5.2	3.2	
8' O.C.	6.93'	1.8	
10° O.C.	8.66'	1.16	

"D" = PLANT SPACING

SEE PLAN AND PLANT SCHEDULE FOR SPACING

GRASS/PERENNIAL

2º MULCH, KEEP MULCH AWAY
FROM CROWN OF PLANT

EROSION CONTROL BLANKET
(WETLAND AND SEDGE MEADOW TYPE PLUGS)

TILL SOIL

12º-18º DEPTH

EXIST. SOIL

NOTE: ENTIRE BED AREA SHALL BE

PREPARED IN ACCORDANCE WITH

PLANT SPACING CHART

6 GRASS AND PERENNIAL PLANTING

SHRUB PLANTING

PLANTING NOTES

 SECTION
 COUNTY
 TOTAL SHEET NO.

 10-00026-02-LS
 MADISON
 10
 8

1. ALL NATURAL VEGETATION SHALL BE MAINTAINED WHERE IT DOES NOT INTERFERE WITH CONSTRUCTION. EVERY EFFORT POSSIBLE SHALL BE MADE TO PROTECT EXISTING UTILITIES, STRUCTURES OR VEGETATION FROM DAMAGE, CONTRACTOR SHALL PROTECT THE PUBLIC FROM INJURY DUE TO WORK AND RELATED MATERIAL.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION WITH OTHER SITE RELATED WORK BEING PERFORMED BY OTHER CONTRACTORS. REFER TO PLANS FOR FURTHER COORDINATION OF WORK TO BE COMPLETED.

3. UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHERS NOT PRESENTLY KNOWN OR SHOWN. CONTRACTOR SHALL BE RESPONSIBLE TO DETERMINE OR VERIFY THE EXISTENCE OF AND EXACT LOCATION OF THE ABOVE.

4. CONTRACTOR IS ADVISED TO STUDY THE PLANS AND VISIT THE SITE TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS. REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ENGINEER.

5. CONTRACTOR SHALL STAKE THE LOCATIONS OF ALL PROPOSED PLANT MATERIAL FOR APPROVAL BY THE ENGINEER PRIOR TO INSTALLATION.

6. ALL PLANT MATERIAL SHALL BE TAGGED OR OTHERWISE APPROVED BY THE ENGINEER. APPROVAL IN THE NURSERY DOES NOT INDICATE FINAL ACCEPTANCE.

8. ALL PLANTS SHALL CONFIRM UPPER RANGE LIMITS FOR CALIPER, HEIGHT AND ROOT BALL DIMENSIONS LISTED IN ANSI Z60.1-2004 FOR SIZE GRADE SPECIFIED.

9. THE PLANTING OF WOODY PLANTS SHALL BE PER IDOT STANDARD SPECIFICATION 253. THE WIDTH AND DEPTH OF THE PLANTING HOLES SHALL BE AS INDICATED ON THE PLANS AND DETAILS. WRAPPING AND BRACING OF PLANT MATERIAL SHALL BE PER IDOT STANDARD SPECIFICATION 253.12 AND 253.13, AND AS SHOWN ON THE PLANS AND DETAILS. TREES AND SHEUBS SHALL BE MEASURED FOR PAYMENT IN PLACE AS INDIVIDUAL PLANTS. ONLY PLANTS DETERMINED TO BE ALIVE WILL BE MEASURED FOR PAYMENT.

10. THE PLANTING OF PERENNIALS SHALL BE PER IDOT STANDARD SPECIFICATION 254. THE WIDTH AND DEPTH OF THE PLANTING HOLES SHALL BE AS INDICATED ON THE PLANS AND DETAILS. PERENNIALS SHALL BE MEASURED FOR PAYMENT IN UNITS OF 100 PLANTS.

11. ALL EARTH AREAS WITHIN THE CONSTRUCTION LIMITS WHICH HAVE BEEN DISTURBED BY CONSTRUCTION OPERATIONS, DESIGNATED AS "SOD", SHALL BE SODDED WITH A TURF-TYPE FESCUE PER IDOT STANDARD SPECIFICATIONS 252.01-252.02.

12. SEEDLINGS LISTED AS "CARYA ILLINOINENSIS" SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER UNIT FOR SEEDLING - CARYA ILLINIOSIS (PECAN), 2-YEAR OLD, BARE ROOT.

13. SHRUBS LISTED AS "LINDERA BENZOIN" SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR SHRUB, LINDEN BENZOIN (SPICEBUSH), 2' HEIGHT, CONTAINER.

12 March		LANDSCAPE SC	HEDULE				
KEY	BOTANICAL NAME	COMMON NAME	SIZE	CONDITION	SPACING	QTY	REMARK
OVERSTOR	YTREES			<u> </u>			
WO	Quercus alba	White Oak	SEEDLING	BARE ROOT	5' O.C.	0.56 UNITS	2 YEAR C
во	Quercus macrocarpa	Bur Oak	SEEDLING	BARE ROOT	5' O.C.	0.56 UNITS	2 YEAR C
ww	Quercus phellos	Willow Oak	SEEDLING	BARE ROOT	5' O.C.	0.56 UNITS	2 YEAR C
RO	Quercus rubra	Red Oak	SEEDLING	BARE ROOT	5' O.C.	0.56 UNITS	2 YEAR C
RM	Acer rubrum	Red Maple	SEEDLING	BARE ROOT	5' O.C.	0.56 UNITS	2 YEAR C
SH	Carya ovata	Shagbark Hickory	SEEDLING	BARE ROOT	5' O.C.	0.56 UNITS	2 YEAR C
PC	Carya illinoinensis	Pecan	SEEDLING	BARE ROOT	5' O.C.	0.56 UNITS	2 YEAR C
AL	Tilia americana	American Linden	SEEDLING	BARE ROOT	5' O.C.	0.56 UNITS	2 YEAR C
WH	Quercus alba	White Oak			AS SHOWN	7	PROVIDED VILLA
BC	Taxodium distichum	Bald Cypress	2.5" Cal.	B&B	AS SHOWN	6	
SM	Acer Saccharum 'October Glory'	Sugar Maple	2.5" Cal.	B&B	AS SHOWN	16	
UNDERSTO	RY TREES						L
SY	Amelanchier canadensis	Shadblow Serviceberry	SEEDLING	BARE ROOT	5' O.C.	0.57 UNITS	2 YEAR C
RB	Cercis canadensis	Eastern Redbud	SEEDLING	BARE ROOT	5' O.C.	0.57 UNITS	2 YEAR C
RD	Comus sericea	Redosier Dogwood	SEEDLING	BARE ROOT	5 O.C.	0.57 UNITS	2 YEAR C
SB	Amelanchier arborea	Serviceberry	6'	B&B	AS SHOWN	10	CLUMP FO
FT	Chionanthus virginicus	White Fringe Tree	2" Cal.	B&B			CLUMP FO
YW	Cladrastis kentukea	American Yellowwood		B&B	AS SHOWN	4	
SHRUBS	- State Control Contro	7 arichari Tallowwood	2 Cal.	Бав	AS SHOWN	4	
BY	Callicarpa dichotoma	Beautyberry	1 40	CONT	40.00.00444	40	
SS	Rhus glabra	Smooth Sumac	#3 5'	CONT.	AS SHOWN	40	
SP	Lindera benzoin	Spicebush			AS SHOWN	20	
FS	Rhus aromatica 'Gro Low'	Fragrant Sumac	2' #5	CONT.	AS SHOWN	24	
RS	Hibiscus syriacus 'Diana'			CONT.	AS SHOWN	33	
	S (PRAIRIE TYPE)	Rose of Sharon	5'	B&B	AS SHOWN	8	
CF	Echinacea 'Big Sky Harvest Moon'	Coneflower	004	BI UG	401.0.0		
MY	Achillea 'Moonshine'	Yarrow	SP4	PLUG	18" O.C.	3.10	UN
PP	Penstemon 'Prairie Fire'		SP4	PLUG	18" O.C.	1,52	UN
		Beardtongue	SP4	PLUG	18" O.C.	1.45	UN
PC	Echinacea purpurea	Purple Coneflower	SP4	PLUG	18" O.C.	1.22	UN
EB	Monarda bradburyana	Eastern Bee Balm	SP4	PLUG	18" O.C.	2.93	UN
CM	Nepeta racemosa 'Walker's Low'	Catmint	SP4	PLUG	18* O.C.	2.80	UN
LC	Coreopsis lanceolata	Lanceleaf Coreopsis	SP4	PLUG	18" O.C.	5.84	UN
BS	Rudbeckla missouriensis	Black-eyed Susan	SP4	PLUG	18" O.C.	3.80	UN
PB	Liatris pyncnotachya	Prairie Blazing Star	SP4	PLUG	18" O.C.	11.11	UNI
LE	Stachys byzantina	Lamb's Ear	SP4	PLUG	18" O.C.	1.43	UN
PT	Psoralea esculenta	Prairie Turnip	SP4	PLUG	18" O.C.	1,43	UNI
	S (WETLAND TYPE)						
BF	Iris viginica	Southern Blue Flag	SP4	PLUG	18" O.C.	7.52	UNI
SR	Amsonia illustris	Shining Blue Star	SP4	PLUG	18" O.C.	7.40	UN
PERENNIAL	S (SEDGE MEADOW TYPE)					100	
TS	Carex stricta	Tussock Sedge	N/A	SEED		0.058	AC
CR	Juncus effusus	Common Rush	N/A	SEED		0.089	AC
GRASSES	4			<u> </u>			
PDS	Sporobolus heterolepis	Prairie Dropseed	N/A	SEED		0.277	AC
PD	Sporobolus heterolepis	Prairie Dropseed	SP4	PLUG	18" O.C.	7.71	UN
SWS	Panicum virgatum 'Shenandoah'	Switchgrass	N/A	SEED		0.105	AC
sw	Panicum virgatum 'Shenandoah'	Switchgrass	SP4	PLUG	18" O.C.	15.79	UN
SG	Bouteloua curtipendula	Sideoats Grama	SP4	PLUG	18" O.C.	14.46	UN
LBS	Schizachyrium scoparium	Little Bluestem	N/A	SEED		0.230	AC
SEED						1.77	
SEEDIN	G, CLASS 1B (REFER TO IDOT STANDARD	SPECIFICATIONS)				0.1	AC
OLLD							

REVISIONS

PLANNING DESIGN STUDIO

727 North First Street Suite 360 Saint Louis, Missouri 63102 P 314.241.3600 F 314.241.3601



VILLAGE OF HARTFORD, ILLINOIS LEWIS AND CLARK MEMORIAL TOWER TOWER LANDSCAPING SECTION 10-00026-02-LS LANDSCAPE DETAILS

DWG. NO.

IPHARTOB 44809 CORLUNG TOKER

XXX.DWG

REF. BK. PG.

JOB NO. 448079.0

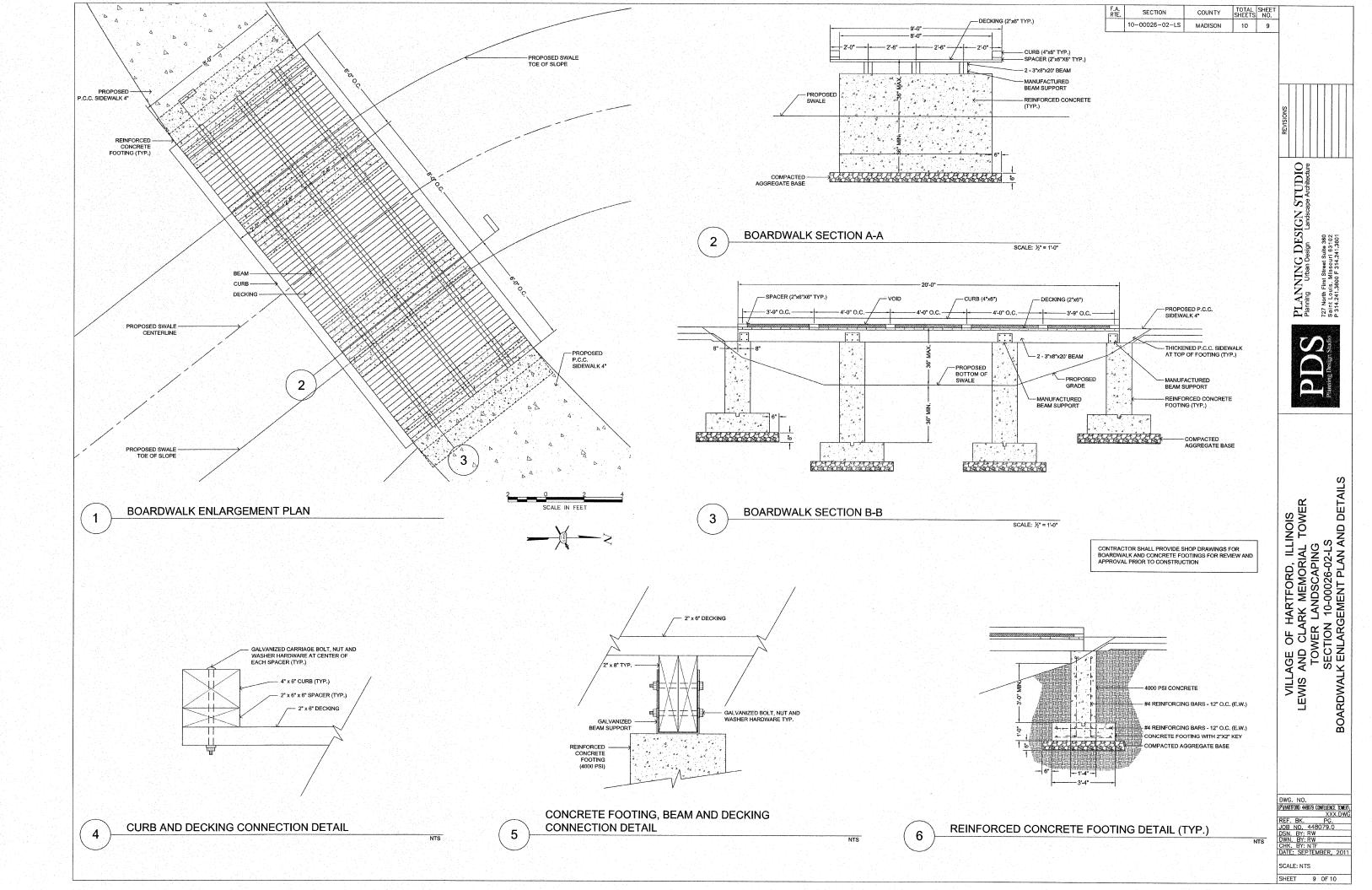
DSN. BY: RW

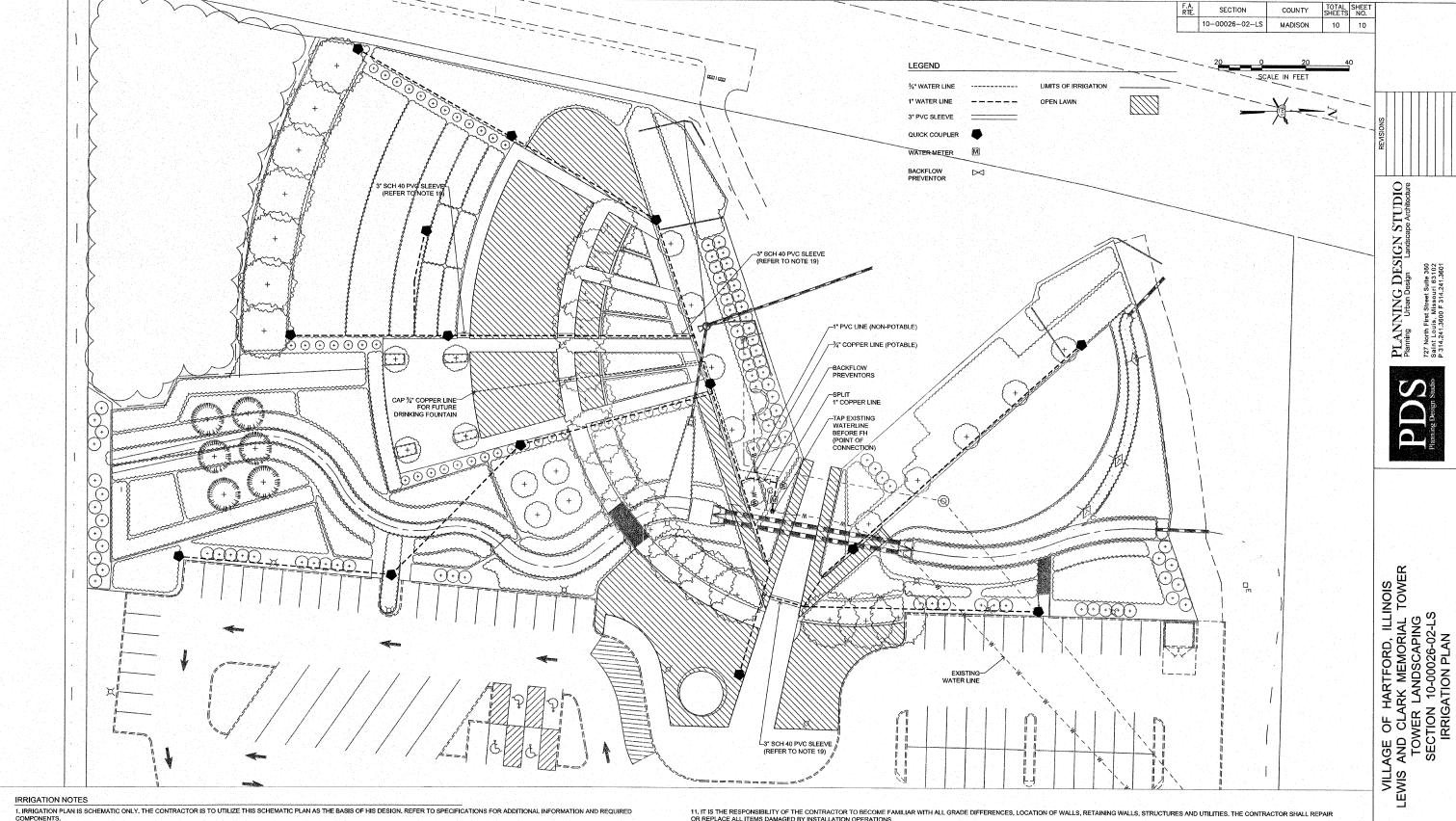
DWN. BY: RW

CHK. BY: NTF

DATE: SEPTEMBER, 2011

SCALE: NTS
SHEET 8 OF 10





- 2. BOUNDARIES AND AREAS DEFINED IN THIS PLAN ARE SCHEMATIC ONLY. CONTRACTOR IS TO VERIFY IN THE FIELD ACTUAL LOCATIONS OF THE AREAS TO BE IRRIGATED FOR SHAPE, SIZE, AND IRRIGATION METHOD. 3. THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN AND INSTALLATION FOR THE IRRIGATION SYSTEM. AT A MINIMUM, THE SYSTEM SHALL INCLUDE: A MAIN LINE AND LATERAL LINE PIPING, RAIN SENSOR, FLOW SENSOR, QUICK COUPLER VALVES, MASTER VALVE AND ISOLATION VALVES.
- 4. CONTRACTOR SHALL INSTALL SYSTEM PER LOCAL CODES AND MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS
- 5, CONTRACTOR SHALL PROVIDE PRESSURE LOSS CALCULATIONS FOR THE LARGEST AND MOST REMOTE ZONE
- 6. ALL MAINLINE AND LATERAL LINE PIPING AND CONTROL WIRES UNDER PAVING SHALL BE INSTALLED IN SLEEVES. MAIN AND LATERAL LINE SLEEVES SHALL BE A MINIMUM OF TWICE THE DIAMETER OF THE PIPE WITHIN. CONTROL WIRE MAY BE INSTALLED IN THE SAME SLEEVES AS MAINLINE.
- 7. ALL DAMAGED AND REJECTED PIPE WILL BE REMOVED FROM THE SITE AT THE TIME OF REJECTION
- 8. ALL SPRINKLER HEADS SHALL BE SET PERPENDICULAR TO FINISH GRADE UNLESS OTHERWISE SPECIFIED.
- 9. THE CONTRACTOR WILL FLUSH AND ADJUST ALL SPRINKLER HEADS AND VALVES FOR OPTIMUM OPERATION WITH MINIMAL OVERSPRAY ONTO WALKS, STREETS, WALLS, ETC.
- 10. ALL PIPING, VALVES, ETC., WILL BE INSTALLED IN PLANTING AREAS / SHRUB BEDS WHEREVER POSSIBLE

- 11. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BECOME FAMILIAR WITH ALL GRADE DIFFERENCES, LOCATION OF WALLS, RETAINING WALLS, STRUCTURES AND UTILITIES. THE CONTRACTOR SHALL REPAIR OR REPLACE ALL ITEMS DAMAGED BY INSTALLATION OPERATIONS.
- CTOR SHALL COORDINATE THE IRRIGATION WORK WITH OTHER CONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE SLEEVES THROUGH WALLS, UNDER ROADWAYS AND PAVING, ETC.
- IGATION SYSTEM DESIGN SHALL BE BASED ON AN OPERATING PRESSURE OF 50-55 PSI FOR GEAR DRIVEN ROTORS, AND 30 PSI FOR ALL SPRAY HEADS. THE CONTRACTOR SHALL VERIFY WATER PRESSURE AT THE POINT OF CONNECTION AND CAPACITY PRIOR TO DESIGN AND CONSTRUCTION...
- 14. ALL IRRIGATION EQUIPMENT NOT OTHERWISE DETAILED OR SPECIFIED WILL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.
- 15. THE CONTRACTOR SHALL PROVIDE PRESSURE COMPENSATING DEVICES (ON SPRAY HEAD) AS NECESSARY TO REDUCE OR ELIMINATE OVERSPRAY ONTO STREETS, WALKS, OR OTHER AREAS AS DIRECTED BY THE ENGINEER.
- 16. ALL REMOTE CONTROL VALVES, GATE VALVES, QUICK COUPLERS AND CONTROL WIRE PULL POINTS SHALL BE INSTALLED IN APPROVED VALVE BOXES.
- 17. QUICK COUPLER VALVES SHALL BE LOCATED AND INSTALLED AS INDICATED ON THE DRAWINGS.
- 18. ALL CONTROL VALVES, EXCEPT MASTER VALVE, WILL BE INSTALLED WITH A PRESSURE REGULATING MODULE, (0-100 PSI RANGE)
- 19. PROPOSED SLEEVE SHALL BE BORED UNDER EXISTING SIDEWALK, NO SIDEWALK REMOVAL ALLOWED.

DWG. NO.

IP\HARIFORD 448079 CONFLUENCE TOWER\

XXX.DWG JOB NO. 448079.0
DSN. BY: RW
DWN. BY: RW
CHK. BY: NTF

SCALE: 1' = 20'-0" SHEET 10 OF 10