

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
COLLINGSVILLE, IL 62234
(618) 346-6400

CHARTER COMMUNICATIONS
4767 SIGNATURE INDUSTRIAL DRIVE
EDWARDSVILLE, IL 62025
(618) 307-5730

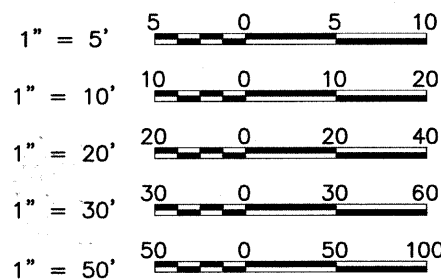
GAS:
AMEREN ILLINOIS
2600 N. CENTER STREET
MARYVILLE, IL 62062
(618) 346-1244

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

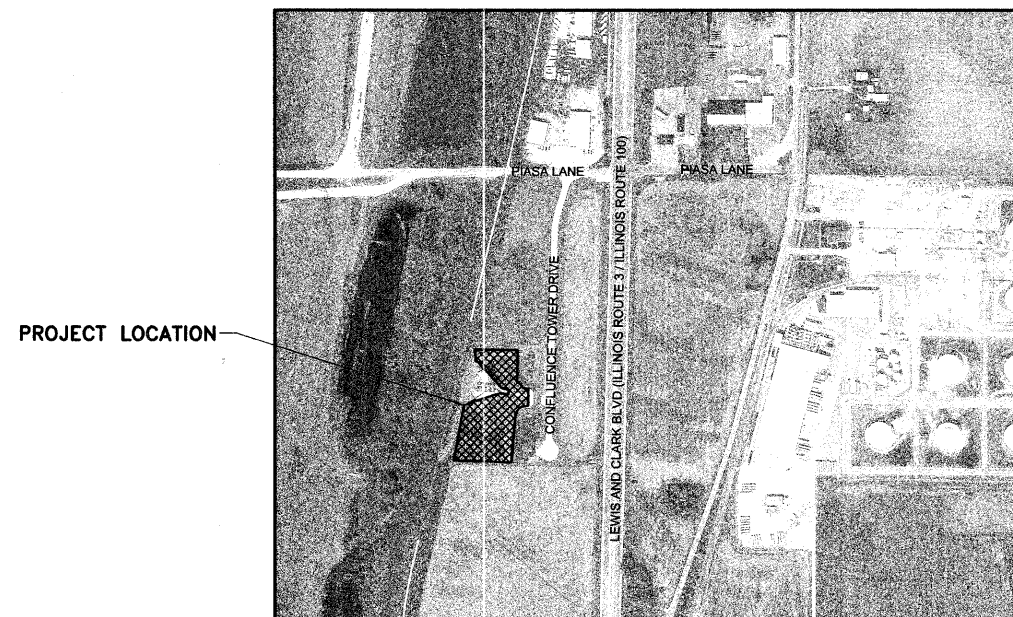
INDEX TO SHEETS

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

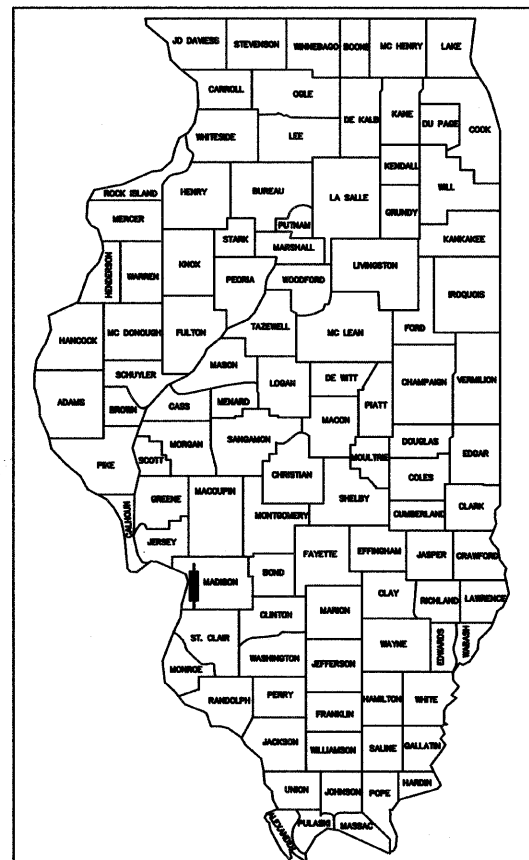


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS THE ABOVE SCALES MAY BE USED.



LOCATION MAP

NOT TO SCALE
APPROXIMATELY 2.4 ACRES



LOCATION OF SECTION INDICATED THUS:-

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	MADISON	10	1
FEDERAL AID PROJECT			
* 10-00026-02-LS			
CONTRACT NO. 97484			

ILLINOIS DEPARTMENT OF TRANSPORTATION	
Approved	<u>11/16/11</u> <i>James Wilbann</i> Village of Hartford, Mayor
Passed	<u>11-18-11</u> <i>[Signature]</i> District #8 Engineer of Local Roads & Streets
Releasing for Bid Based on Limited Review	<u>11-18-11</u> <i>[Signature]</i> Acting Deputy Director of Highways, Region #5 Engineer

PRINTED BY THE AUTHORITY OF
THE STATE OF ILLINOIS

FOR SHEETS 1-5

FOR SHEETS 6-10



Larry D. Anderson
DATE SIGNED 11/16/11
EXPIRATION DATE 11/30/18



Noel T. Fehr
DATE SIGNED 11/16/11
EXPIRATION DATE 8/31/13

SMS ENGINEERS Sheppard, Morgan & Schwaab, Inc.
CONSULTING ENGINEERS AND LAND SURVEYORS
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10 Central Industrial Drive, Suite 3, Granite City, IL 62040 618/977-8700 E-mail: mail@smsengineers.com
DESIGN FIRM # 184-000992

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.
- ALL ELEVATIONS REFER TO NATIONAL GEODETIC SURVEY (N.G.S.) DATUM.
- PROPOSED ELEVATIONS SHOWN ON THE PLANS AS ± ARE APPROXIMATE, EXACT ELEVATIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.
- EXACT LOCATIONS OF INTERPRETIVE SIGNS SHALL BE PROVIDED BY THE ENGINEER.

GENERAL LEGEND

	CENTERLINE OF PROPOSED IMPROVEMENT		PROPOSED RIGHT-OF-WAY LINE
	EXISTING RIGHT-OF-WAY LINE		TEMPORARY CONSTRUCTION EASEMENT
	PROPOSED RIGHT-OF-WAY LINE		PROPERTY LINE
	TEMPORARY CONSTRUCTION EASEMENT		SECTION LINE
	PROPERTY LINE		1/2 SECTION LINE
	SECTION LINE		IRON PIPE FOUND
	1/2 SECTION LINE		IRON PIPE SET
	IRON PIPE FOUND		MONUMENT FOUND
	IRON PIPE SET		PROPOSED R.O.W. MONUMENT
	MONUMENT FOUND		PROPOSED R.O.W. MONUMENT
	PROPOSED R.O.W. MONUMENT		FENCE
	FENCE		EDGE OF EXISTING FEATURES
	EDGE OF EXISTING FEATURES		CONSTRUCTION LIMITS
	CONSTRUCTION LIMITS		EXISTING DITCH
	EXISTING DITCH		UTILITY POLE
	UTILITY POLE		UTILITY POLE W/ DOWN GUY
	UTILITY POLE W/ DOWN GUY		LIGHT POLE
	LIGHT POLE		GAS METER
	GAS METER		WATER METER
	WATER METER		FIRE HYDRANT
	FIRE HYDRANT		WATER OR GAS VALVE
	WATER OR GAS VALVE		TELEPHONE PEDESTAL
	TELEPHONE PEDESTAL		EXISTING SIGN
	EXISTING SIGN		PROPOSED SIGN
	PROPOSED SIGN		MAIL BOX
	MAIL BOX		EXISTING MANHOLE
	EXISTING MANHOLE		CONTROL POINT
	CONTROL POINT		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00026-02-LS	MADISON	10	2	

- CONTRACT NO. 97484
- EXISTING INLET
 - EXISTING PIPE CULVERT
 - EXISTING SANITARY SEWER
 - EXISTING STORM SEWER
 - EXISTING WATER LINE
 - EXISTING GAS LINE
 - EXISTING TELEPHONE LINE
 - EXISTING FIBER OPTIC CABLE
 - EXISTING ELECTRIC CABLE
 - EXISTING PIPE LINE
 - SIDEWALK TO BE REMOVED
 - 18" TREE
 - SOIL BORING LOCATION
 - PROPOSED DITCH
 - PROPOSED INLET / PIPE PROTECTION
 - PROPOSED PERIMETER EROSION BARRIER
 - EXISTING SPOT ELEVATION
 - PROPOSED SPOT ELEVATION
 - PROPOSED DEPRESSED CURB
 - PROPOSED HOT-MIX-ASPHALT SURFACING
 - PROPOSED DETECTABLE WARNING
 - PROPOSED TEMPORARY DITCH CHECK

SUMMARY OF QUANTITIES

CODE NO.	CONSTRUCTION TYPE CODE	ITEM	LANDSCAPING	
			80% FED. 20% LOCAL	0031
			UNIT	TOTAL QUANTITY
20101700	SUPPLEMENTAL WATERING		UNIT	29
21101505	TOPSOIL EXCAVATION AND PLACEMENT		CU YD	90
21101625	TOPSOIL FURNISH AND PLACE, 6"		SQ YD	7,929
25000115	SEEDING, CLASS 1B		ACRE	0.1
25000312	SEEDING, CLASS 4A		ACRE	0.5
25000314	SEEDING, CLASS 4B		ACRE	0.2
25000400	NITROGEN FERTILIZER NUTRIENT		POUND	89
25000500	PHOSPHORUS FERTILIZER NUTRIENT		POUND	89
25000600	POTASSIUM FERTILIZER NUTRIENT		POUND	89
25000700	AGRICULTURAL GROUND LIMESTONE		TON	2.2
25100105	MULCH, METHOD 1		ACRE	0.8
25100630	EROSION CONTROL BLANKET		SQ YD	1,300
25200100	SODDING		SQ YD	1,388
28000250	TEMPORARY EROSION CONTROL SEEDING		POUND	50
28000305	TEMPORARY DITCH CHECKS		FOOT	110
28000400	PERMETER EROSION BARRIER		FOOT	477
28100105	STONE RIPRAP, CLASS A3		SQ YD	35
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH		SQ FT	6,543
44004000	PAVED DITCH REMOVAL		FOOT	132
542A0217	PIPE CULVERTS, CLASS A, TYPE 1 12"		FOOT	40
60100905	PIPE DRAINS 4"		FOOT	94
60240215	INLETS, TYPE B, TYPE 1 FRAME, CLOSED LID		EACH	1
67100100	MOBILIZATION		L SUM	1
A2006416	TREE, QUERCUS ALBA (WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED		EACH	7
A2007620	TREE, TAXODIUM DISTICHUM (COMMON BALD CYPRESS), 2-1/2" CALIPER, BALLED AND BURLAPPED		EACH	6
B2000900	TREE, AMELANCHIER ARBOREA (DOWNY SERVICEBERRY), 6' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED		EACH	10
B2010042	TREE, CHIONANTHUS VIRGINICUS (WHITE FRINGE TREE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED		EACH	4
B2010070	TREE, CLADRASTIS KENTUCKEA (AMERICAN YELLOWWOOD), 2" CALIPER, BALLED AND BURLAPPED		EACH	4
C2004240	SHRUB, LINDEN BENZOIN (SPICEBUSH), 2' HEIGHT, CONTAINER		EACH	24
C20058G5	SHRUB, RHUS AROMATICA GRO-LOW (GRO-LOW FRAGRANT SUMAC), 5-GALLON		EACH	30
C2005960	SHRUB, RHUS GLABRA (SMOOTH SUMAC), 5' HEIGHT, BALLED AND BURLAPPED		EACH	20
F30021Y2	SEEDLING-ACER RUBRUM (RED MAPLE), 2-YEAR OLD, BARE ROOT		UNIT	0.56
F30040Y2	SEEDLING-CARYA OVATA (SHAGBARK HICKORY), 2-YEAR OLD, BARE ROOT		UNIT	0.56
F30041Y2	SEEDLING-CARYA ILLINOISIS (PECAN), 2-YEAR OLD, BARE ROOT		UNIT	0.56
F30120Y2	SEEDLING-QUERCUS ALBA (WHITE OAK), 2-YEAR OLD, BARE ROOT		UNIT	0.56
F30140Y2	SEEDLING-QUERCUS MACROCARPA (BUR OAK), 2-YEAR OLD, BARE ROOT		UNIT	0.56
F30151Y2	SEEDLING-QUERCUS PHELLOS (WILLOW OAK), 2-YEAR OLD, BARE ROOT		UNIT	0.56
F30160Y2	SEEDLING-QUERCUS RUBRA (RED OAK), 2-YEAR OLD, BARE ROOT		UNIT	0.56
F30190Y2	SEEDLING-TILIA AMERICANA (AMERICAN LINDEN), 2-YEAR OLD, BARE ROOT		UNIT	0.56
F30210Y2	SEEDLING-AMELANCHIER CANADENSIS (SHADBLOW SERVICEBERRY), 2-YEAR OLD, BARE ROOT		UNIT	0.57
F30220Y2	SEEDLING-CERCIS CANADENSIS (EASTERN REDBUD), 2-YEAR OLD, BARE ROOT		UNIT	0.57
G20050Y2	SEEDLING-CORNUS SERICEA (REDSIER DOG WOOD), 2-YEAR OLD, BARE ROOT		UNIT	0.57
K0013000	PERENNIAL PLANTS, PRAIRIE TYPE, 2" DIAMETER BY 4" DEEP PLUG		UNIT	74.59
K0013030	PERENNIAL PLANTS, WETLAND TYPE, 2" DIAMETER BY 4" DEEP PLUG		UNIT	14.92
K1001988	IRRIGATION SYSTEM SPECIAL		L SUM	1
K1003679	MULCH		CU YD	149
X0325789	INTERPRETIVE SIGNAGE COMPLETE		EACH	10
X0358300	REMOVE AND RELAY END SECTIONS		EACH	1
X6060505	CONCRETE CURB (SPECIAL)		FOOT	347
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)		L SUM	1
Z0055905	TEMPORARY CONSTRUCTION FENCE		FOOT	241
XX008613	BOARDWALK STRUCTURE		EACH	1
42001945	TREE, ACER SACCHARUM OCTOBER GLORY (OCTOBER GLORY SUGAR MAPLE) 2-1/2" CALIPER, BALLED AND BURLAPPED		EACH	16
C2C01263	SHRUB, CALLICARPA DICHOTOMA (PURPLE BEAUTYBERRY), CONTAINER GROWN, 3-GALLON		EACH	40
C2C03392	SHRUB, HIBISCUS SYRIACUS DIANE (DIANE ROSE OF SHARON), 5' HEIGHT, BALLED AND BURLAPPED		EACH	8
XX006614	TENSILE SHADE STRUCTURE		EACH	1

* SPECIALTY ITEM

COMMITMENTS

NONE

HIGHWAY STANDARDS

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

ABBREVIATIONS

- T.C. - TOP OF CURB
- 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
- T.B. - TRENCH BACKFILL
- C - EARTH EXCAVATION QUANTITY SHOWN ON CROSS SECTIONS
- F - EMBANKMENT QUANTITY SHOWN ON CROSS SECTIONS

SURVEY CONTROL POINTS

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
B.M. #1	437.16	IRON PIN

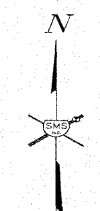
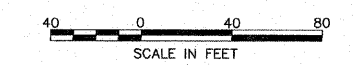
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DESIGN FIRM # 184-000992

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

DWG. NO.	10-00026-02-LS
PROJECT	VILLAGE OF HARTFORD, ILLINOIS LEWIS AND CLARK MEMORIAL TOWER TOWER LANDSCAPING
DATE	NOVEMBER, 2011
SCALE	NOT TO SCALE
SHEET	2 OF 10

CONTRACT NO. 97484



LEGEND

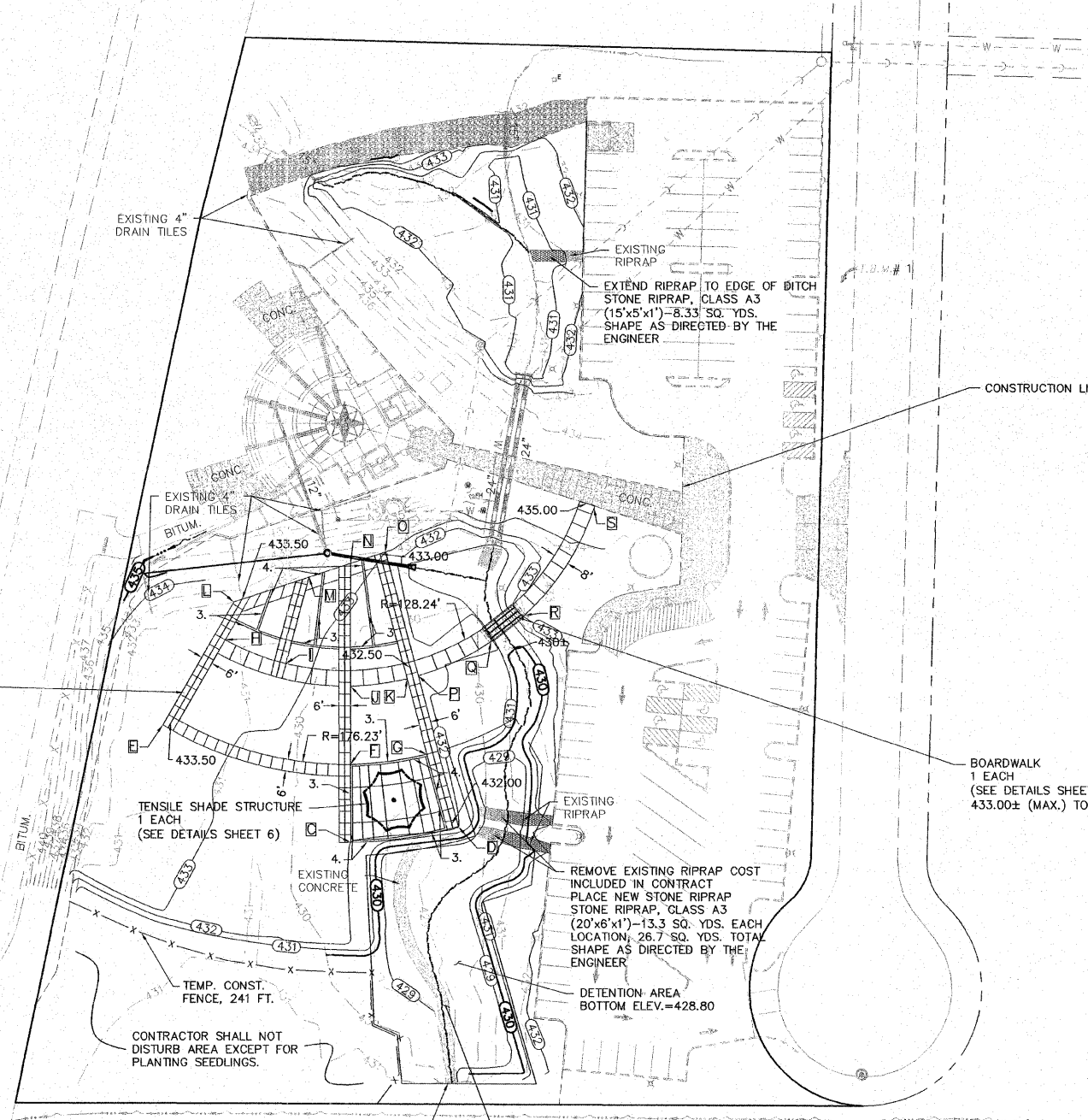
- EXISTING POWER POLE - □
- EXISTING GUY WIRE - —
- EXISTING ELECTRIC SPlice BOX - □E
- EXISTING WATER VALVE - □V
- EXISTING FIRE HYDRANT - □H
- EXISTING SANITARY MANHOLE TOP - □M
- EXISTING RIGHT-OF-WAY - —
- EXISTING EASEMENT - —
- EXISTING SANITARY SEWER - —
- EXISTING STORM SEWER - —
- EXISTING CULVERT - —
- EXISTING POND, LAKE, BODY OF WATER, ETC. - —
- EXISTING DITCH - —
- EXISTING FENCE - —
- EXISTING WATER - —

NOTES:

1. CONNECT EXISTING DRAIN TO PIPE DRAINS 4" WITH TEE. COST INCLUDED IN PIPE DRAINS 4".
2. CONNECT 2 EXISTING DRAINS TO INLET, TYPE B, TYPE 1 FRAME, CLOSED LID
3. CONCRETE CURB (SPECIAL), TOTAL QUANTITY = 347 FT. SEE SHEET 6
4. PROPOSED CONCRETE CURB (SPECIAL) SHALL BE CONSTRUCTED FLUSH WITH THE SIDEWALK. EXPANSION JOINTS SHALL BE PLACED ON BOTH SIDES OF THE CURB WHEN IN CONTACT WITH THE CURB.

NUMBER	NORTHING	EASTING
A	4,022.6397	3,567.7309
B	4,030.7809	3,623.3937
C	4,084.8258	3,478.8908
D	4,062.6444	3,567.6946
E	4,067.8695	3,607.2440
F	4,126.3725	3,502.9275
G	4,114.2325	3,534.2503
H	4,102.6411	3,567.6584
I	4,106.5033	3,596.8920
J	4,145.9706	3,507.3341
K	4,158.8555	3,546.2068
L	4,165.9469	3,567.6011
M	4,171.9059	3,585.5788
N	4,108.0562	3,602.6875
O	4,125.5802	3,640.2491
P	4,139.2459	3,657.4958
Q	4,194.7813	3,693.4561

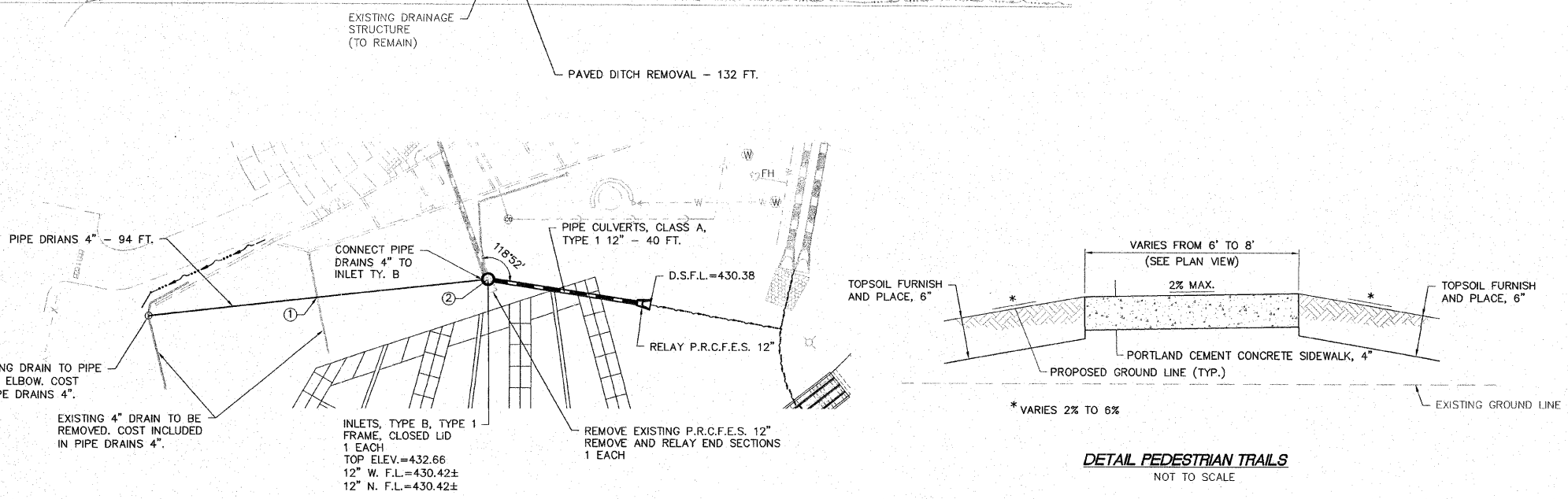
P.C.C. SIDEWALK 4" - 6543 SQ. FT.



LOCATION	EARTH EXCAVATION (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%

** 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.



DETAIL PEDESTRIAN TRAILS
NOT TO SCALE

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

STORM SEWER PLAN
1"=20'

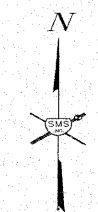
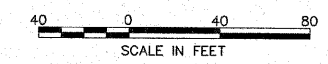
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DESIGN FIRM # 184-000992

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00026-02-LS	MADISON	10	4

CONTRACT NO. 97484



LEGEND

- EXISTING POWER POLE - ○
- EXISTING GUY WIRE - —
- EXISTING ELECTRIC SPLICE BOX - □E
- EXISTING WATER VALVE - □W
- EXISTING FIRE HYDRANT - ○
- EXISTING SANITARY MANHOLE TOP - ○
- EXISTING RIGHT-OF-WAY - —
- EXISTING EASEMENT - —
- EXISTING SANITARY SEWER - —
- EXISTING STORM SEWER - —
- EXISTING CULVERT - —
- EXISTING POND, LAKE, BODY OF WATER, ETC. - —
- EXISTING DITCH - —
- EXISTING FENCE - —
- EXISTING WATER - —



REVISIONS

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 DESIGN FIRM # 184-000992

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

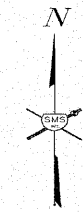
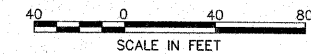
DWG. NO.	10-00026-02-LS
PROJECT	LEWIS AND CLARK MEMORIAL TOWER LANDSCAPING
REF. BY	PC
JOB NO.	448079.0
DSN. BY	LDA
DWN. BY	CAD
CHK. BY	CAS
DATE	NOVEMBER, 2011

SCALE: 1"=40'
 SHEET 4 OF 10

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

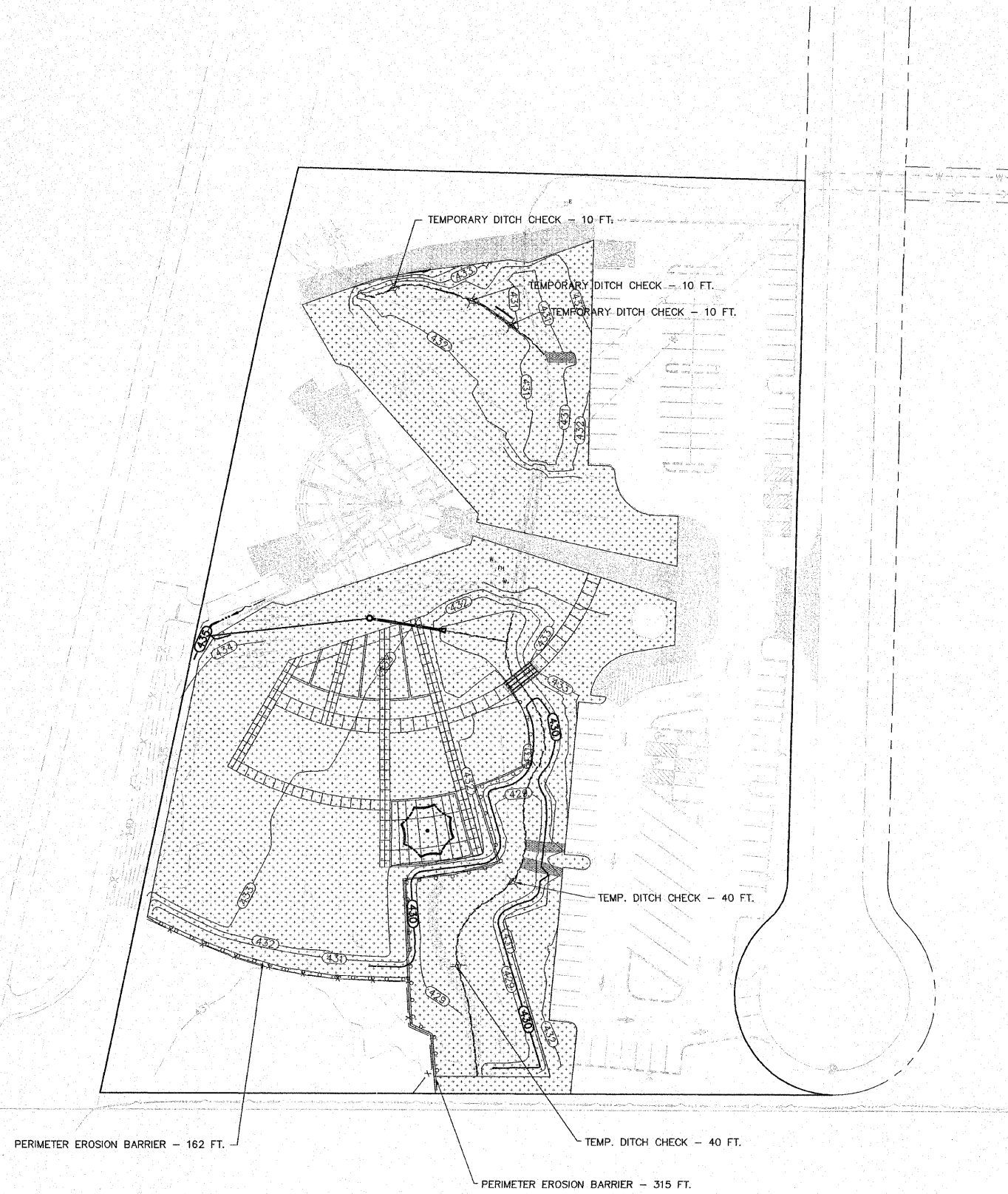
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00026-02-LS	MADISON	10	5

CONTRACT NO. 97484



LEGEND

- TEMPORARY EROSION CONTROL SEEDING - [stippled pattern]
- TEMPORARY DITCH CHECK - [diamond symbol]
- PERIMETER EROSION BARRIER - [line with circles]



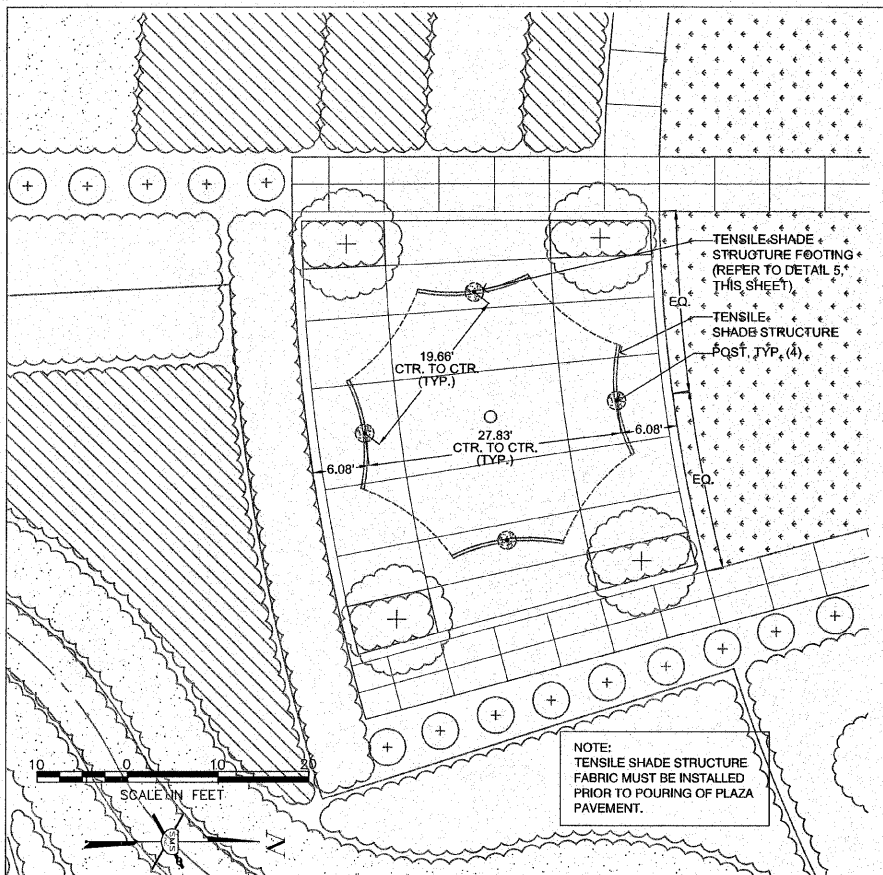
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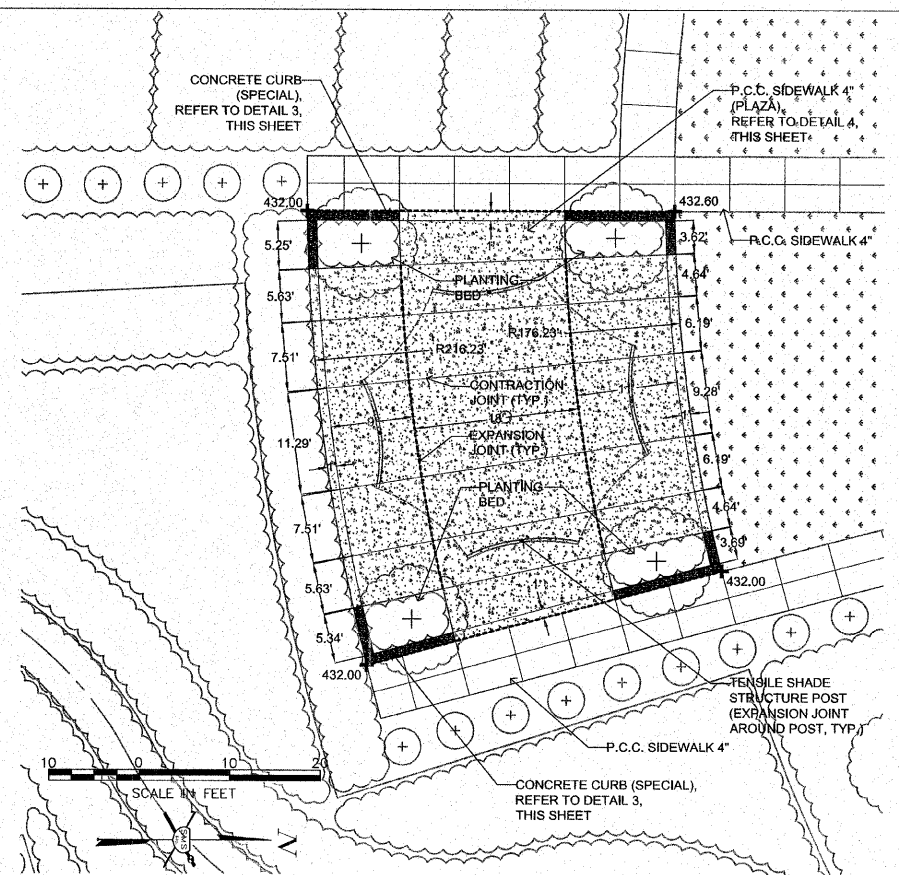
VILLAGE OF HARTFORD, ILLINOIS
 LEWIS AND CLARK MEMORIAL TOWER
 TOWER LANDSCAPING
 SECTION 10-00026-02-LS
 EROSION CONTROL PLAN

DWG. NO.	JPA/HARTFORD/448079/CONFORMANCE TOWER
REF. BK.	TOWER EROSION CONTROL PLAN.DWG
JOB NO.	448079.0
DSN. BY:	LDA
DWN. BY:	CAD
CHK. BY:	CAS
DATE:	NOVEMBER, 2011
SCALE:	1" = 40'
SHEET	5 OF 10

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00026-02-LS	MADISON		10	6



1 TENSILE SHADE STRUCTURE ENLARGEMENT PLAN



2 TENSILE SHADE STRUCTURE PLAZA ENLARGEMENT PLAN

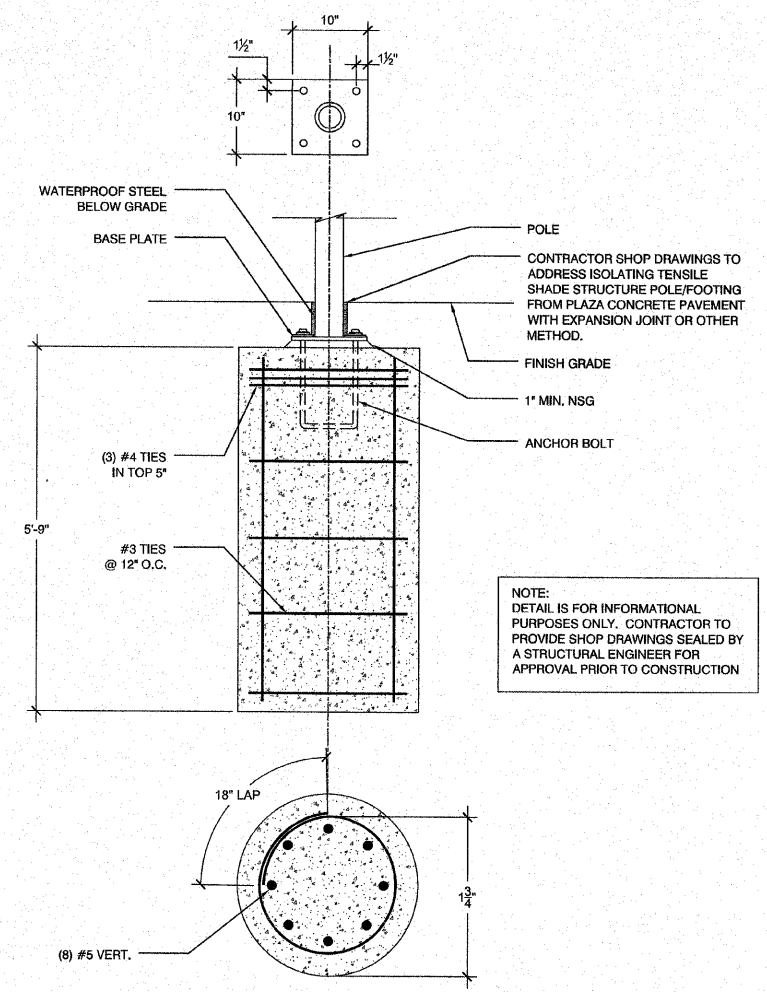
LEGEND

P.C.C. SIDEWALK 4" (PLAZA)

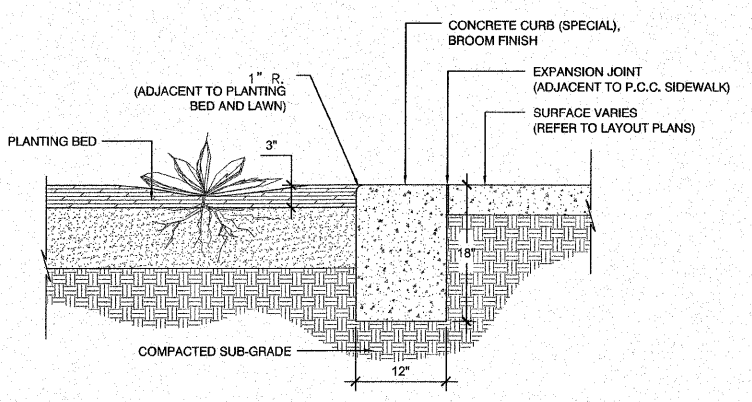
EXPANSION JOINT

CONTRACTION JOINT

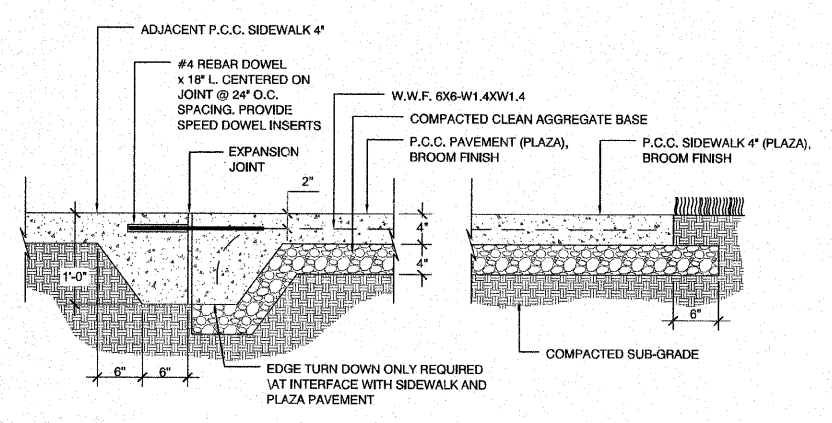
NOTE:
P.C.C. SIDEWALK 4" (PLAZA) SHALL BE PAID FOR AS PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH. THIS INCLUDES AREAS OF THE SIDEWALK WHICH HAVE BEEN INCREASED IN THICKNESS AS SHOWN IN DETAIL 4, THIS SHEET.



5 TENSILE SHADE STRUCTURE FOOTING DETAIL



3 CONCRETE CURB (SPECIAL) NTS



4 P.C.C. SIDEWALK 4" (PLAZA) NTS

REVISIONS

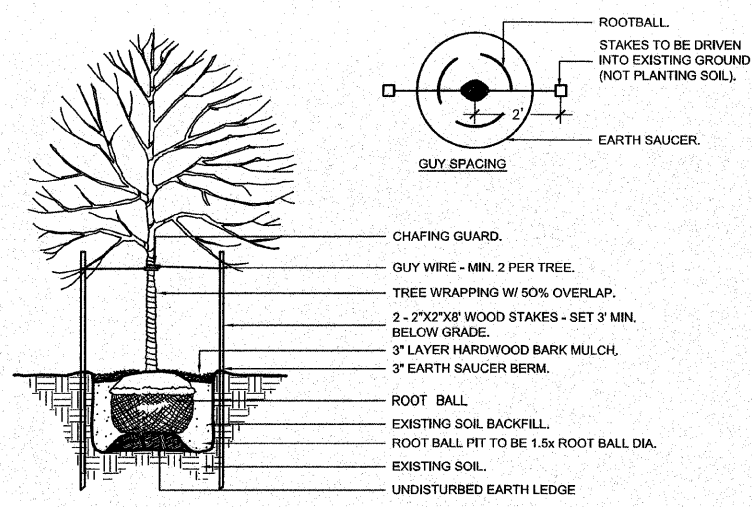
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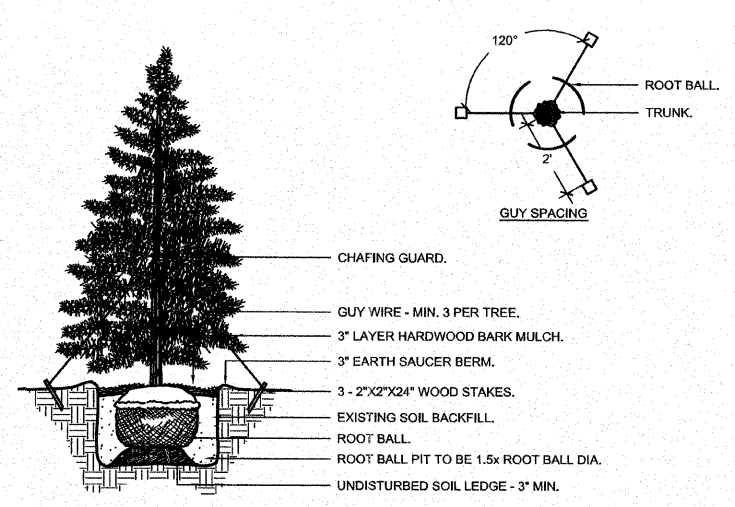
VILLAGE OF HARTFORD, ILLINOIS
 LEWIS AND CLARK MEMORIAL TOWER
 TOWER LANDSCAPING
 SECTION 10-00026-02-LS
 DETAILS OF CONSTRUCTION

DWG. NO. LP/HARTFORD 448079 CONFORMANCE TOWER
 REF. BK. PG. XXX.DWG
 JOB NO. 448079.0
 DSN. BY: RW
 DWN. BY: RW
 CHK. BY: NTF
 DATE: SEPTEMBER, 2011

SCALE: NTS
 SHEET 6 OF 10



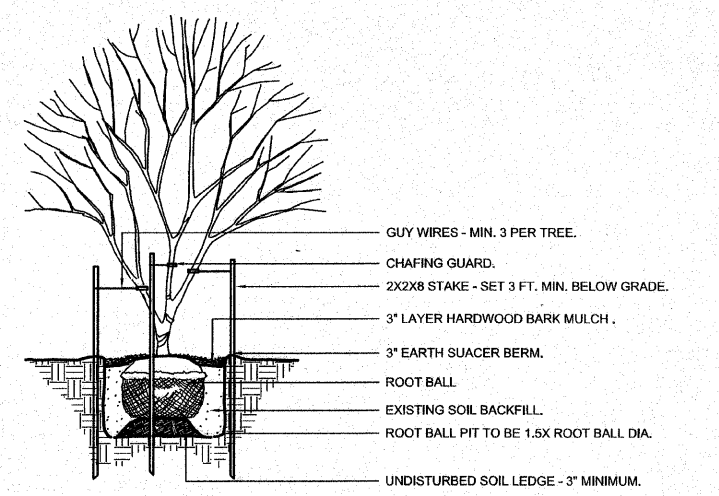
1 OVERSTORY TREE PLANTING NTS



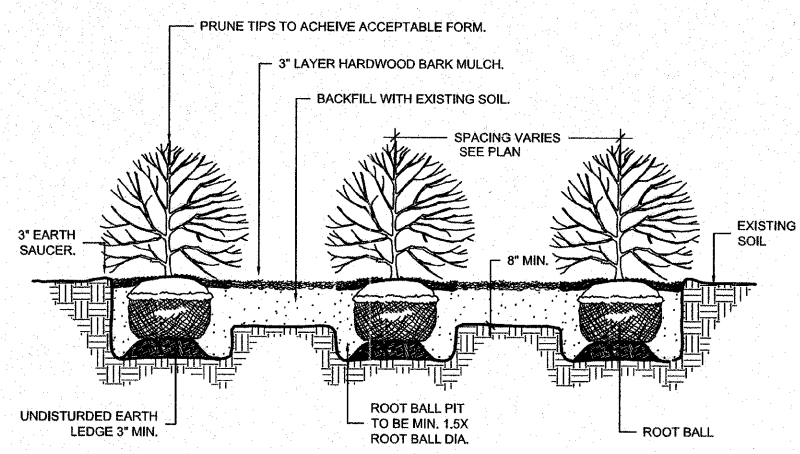
2 EVERGREEN TREE PLANTING NTS

PLANTING NOTES

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.
7. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS.
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 SHRUBS 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 SODED 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 ILLINOISIS (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, LINDERA BENZOIN (SPICEBUSH), 2' HEIGHT, CONTAINER.



3 UNDERSTORY TREE PLANTING NTS

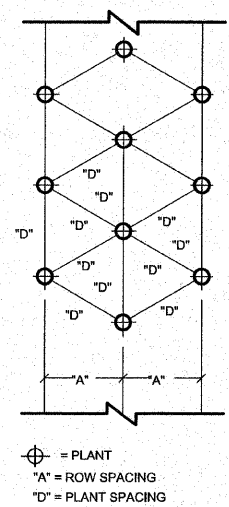


4 SHRUB PLANTING NTS

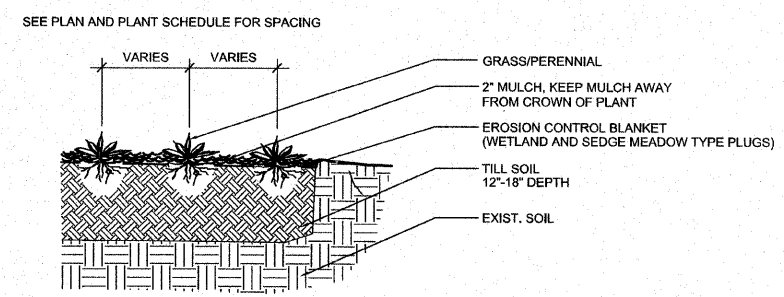
LANDSCAPE SCHEDULE							
KEY	BOTANICAL NAME	COMMON NAME	SIZE	CONDITION	SPACING	QTY	REMARKS
OVERSTORY TREES							
WO	Quercus alba	White Oak	SEEDLING	BARE ROOT	5' O.C.	0.56 UNITS	2 YEAR OLD
BO	Quercus macrocarpa	Bur Oak	SEEDLING	BARE ROOT	5' O.C.	0.56 UNITS	2 YEAR OLD
WW	Quercus phellos	Willow Oak	SEEDLING	BARE ROOT	5' O.C.	0.56 UNITS	2 YEAR OLD
RO	Quercus rubra	Red Oak	SEEDLING	BARE ROOT	5' O.C.	0.56 UNITS	2 YEAR OLD
RM	Acer rubrum	Red Maple	SEEDLING	BARE ROOT	5' O.C.	0.56 UNITS	2 YEAR OLD
SH	Carya ovata	Shagbark Hickory	SEEDLING	BARE ROOT	5' O.C.	0.56 UNITS	2 YEAR OLD
PC	Carya illinoensis	Pecan	SEEDLING	BARE ROOT	5' O.C.	0.56 UNITS	2 YEAR OLD
AL	Tilia americana	American Linden	SEEDLING	BARE ROOT	5' O.C.	0.56 UNITS	2 YEAR OLD
WH	Quercus alba	White Oak			AS SHOWN	7	PROVIDED BY VILLAGE
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	
UNDERSTORY TREES							
SY	Amelanchier canadensis	Shadblow Serviceberry	SEEDLING	BARE ROOT	5' O.C.	0.57 UNITS	2 YEAR OLD
RB	Cercis canadensis	Eastern Redbud	SEEDLING	BARE ROOT	5' O.C.	0.57 UNITS	2 YEAR OLD
RD	Cornus sericea	Redosier Dogwood	SEEDLING	BARE ROOT	5' O.C.	0.57 UNITS	2 YEAR OLD
SB	Amelanchier arborea	Serviceberry	6'	B & B	AS SHOWN	10	CLUMP FORM
FT	Chionanthus virginicus	White Fringe Tree	2" Cal.	B & B	AS SHOWN	4	
YW	Cladrasis kentukea	American Yellowwood	2" Cal.	B & B	AS SHOWN	4	
SHRUBS							
BY	CalliCARPA dichotoma	Beautyberry	#3	CONT.	AS SHOWN	40	
SS	Rhus glabra	Smooth Sumac	5'	B & B	AS SHOWN	20	
SP	Lindera benzoin	Spicebush	2'	CONT.	AS SHOWN	24	
FS	Rhus aromatica 'Gro Low'	Fragrant Sumac	#5	CONT.	AS SHOWN	33	
RS	Hibiscus syriacus 'Diana'	Rose of Sharon	5'	B & B	AS SHOWN	8	
PERENNIALS (PRAIRIE TYPE)							
CF	Echinacea 'Big Sky Harvest Moon'	Coneflower	SP4	PLUG	18" O.C.	3.10	UNITS
MY	Achillea 'Moonshine'	Yarrow	SP4	PLUG	18" O.C.	1.52	UNITS
PP	Penstemon 'Prairie Fire'	Beardtongue	SP4	PLUG	18" O.C.	1.45	UNITS
PC	Echinacea purpurea	Purple Coneflower	SP4	PLUG	18" O.C.	1.22	UNITS
EB	Monarda bradburiana	Eastern Bee Balm	SP4	PLUG	18" O.C.	2.93	UNITS
CM	Nepeta racemosa 'Walker's Low'	Catmint	SP4	PLUG	18" O.C.	2.80	UNITS
LC	Coreopsis lanceolata	Lanceleaf Coreopsis	SP4	PLUG	18" O.C.	5.84	UNITS
BS	Rudbeckia missouriensis	Black-eyed Susan	SP4	PLUG	18" O.C.	3.80	UNITS
PB	Liatris pycnostachya	Prairie Blazing Star	SP4	PLUG	18" O.C.	11.11	UNITS
LE	Stachys byzantina	Lamb's Ear	SP4	PLUG	18" O.C.	1.43	UNITS
PT	Psoralea esculenta	Prairie Turnip	SP4	PLUG	18" O.C.	1.43	UNITS
PERENNIALS (WETLAND TYPE)							
BF	Iris virginica	Southern Blue Flag	SP4	PLUG	18" O.C.	7.52	UNITS
SR	Amsonia illustris	Shining Blue Star	SP4	PLUG	18" O.C.	7.40	UNITS
PERENNIALS (SEDGE MEADOW TYPE)							
TS	Carex stricta	Tussock Sedge	N/A	SEED		0.058	ACRE
CR	Juncus effusus	Common Rush	N/A	SEED		0.089	ACRE
GRASSES							
PDS	Sporobolus heterolepis	Prairie Dropseed	N/A	SEED		0.277	ACRE
PD	Sporobolus heterolepis	Prairie Dropseed	SP4	PLUG	18" O.C.	7.71	UNITS
SWS	Panicum virgatum 'Shenandoah'	Switchgrass	N/A	SEED		0.105	ACRE
SW	Panicum virgatum 'Shenandoah'	Switchgrass	SP4	PLUG	18" O.C.	15.79	UNITS
SG	Bouteloua curtipendula	Sideoats Grama	SP4	PLUG	18" O.C.	14.46	UNITS
LBS	Schizachyrium scoparium	Little Bluestem	N/A	SEED		0.230	ACRE
SEED							
SEEDING, CLASS 1B (REFER TO IDOT STANDARD SPECIFICATIONS)						0.1	ACRE
SOD							
REFER TO SPECIFICATIONS						1388	SQUARE YD.

FOR USE WITH ALL PLANT TYPES SPACED EQUIDISTANTLY

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" O.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	



5 PLANT SPACING CHART NTS



6 GRASS AND PERENNIAL PLANTING NTS

REVISIONS

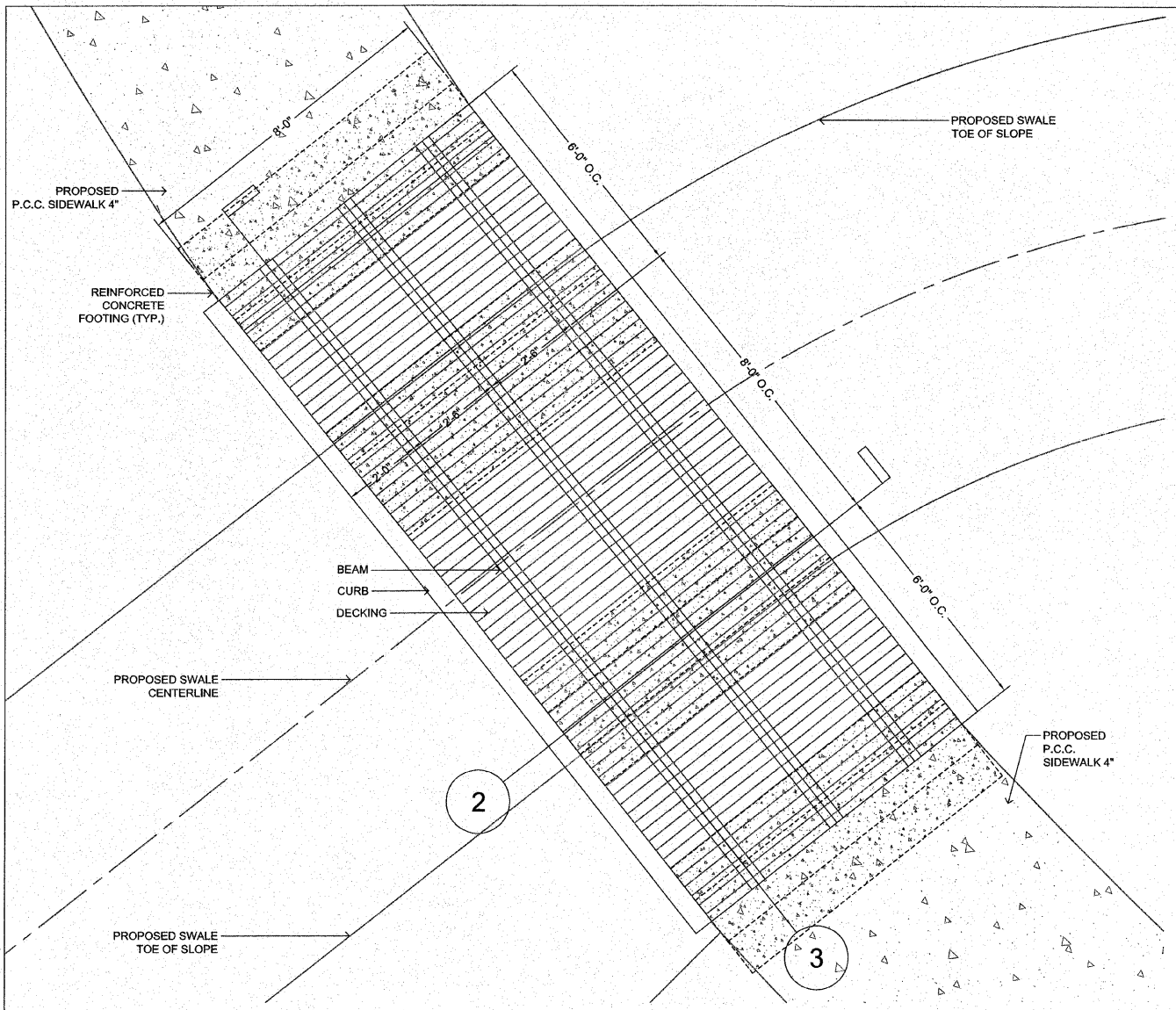
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Landscape Architecture
Urban Design
Planning



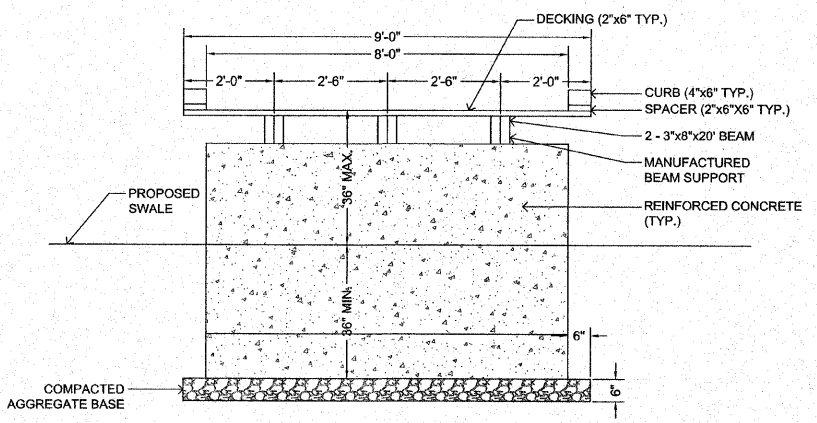
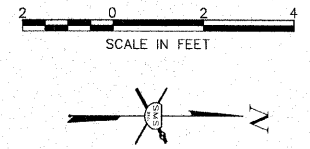
VILLAGE OF HARTFORD, ILLINOIS
LEWIS AND CLARK MEMORIAL TOWER
TOWER LANDSCAPING
SECTION 10-00026-02-LS
LANDSCAPE DETAILS

DWG. NO. PLANNING DESIGN STUDIO
REF. BK. PC
JOB NO. 448079.0
DSN. BY: RW
DWN. BY: RW
CHK. BY: NTF
DATE: SEPTEMBER, 2011

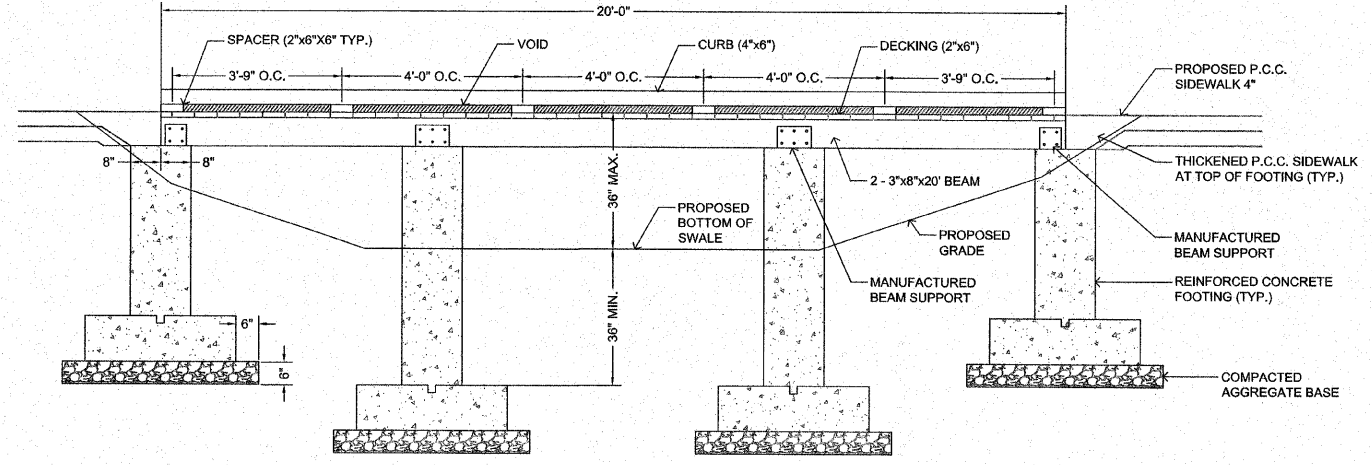
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-00026-02-LS	MADISON		10	9



1 BOARDWALK ENLARGEMENT PLAN

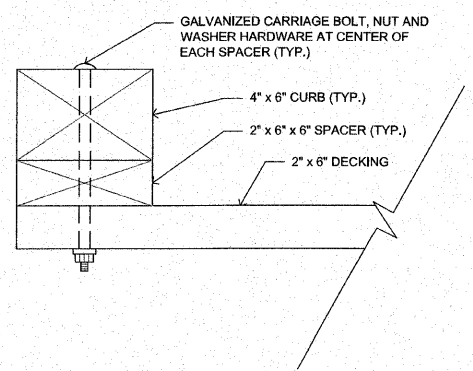


2 BOARDWALK SECTION A-A
SCALE: 1/2" = 1'-0"



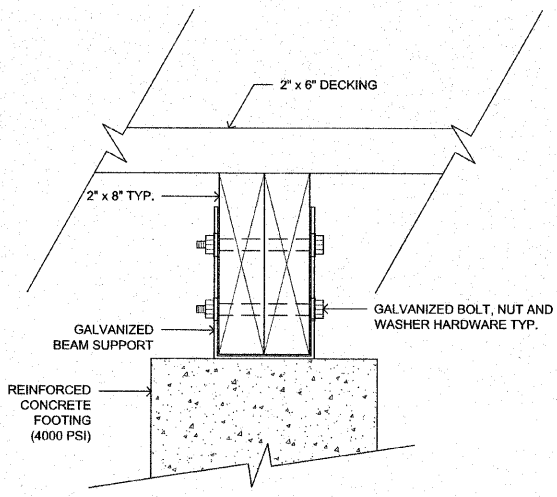
3 BOARDWALK SECTION B-B
SCALE: 1/2" = 1'-0"

CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR BOARDWALK AND CONCRETE FOOTINGS FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION



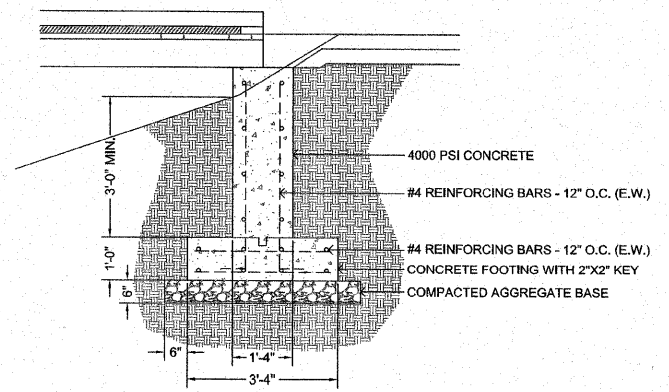
4 CURB AND DECKING CONNECTION DETAIL

NTS



5 CONCRETE FOOTING, BEAM AND DECKING CONNECTION DETAIL

NTS



6 REINFORCED CONCRETE FOOTING DETAIL (TYP.)

NTS

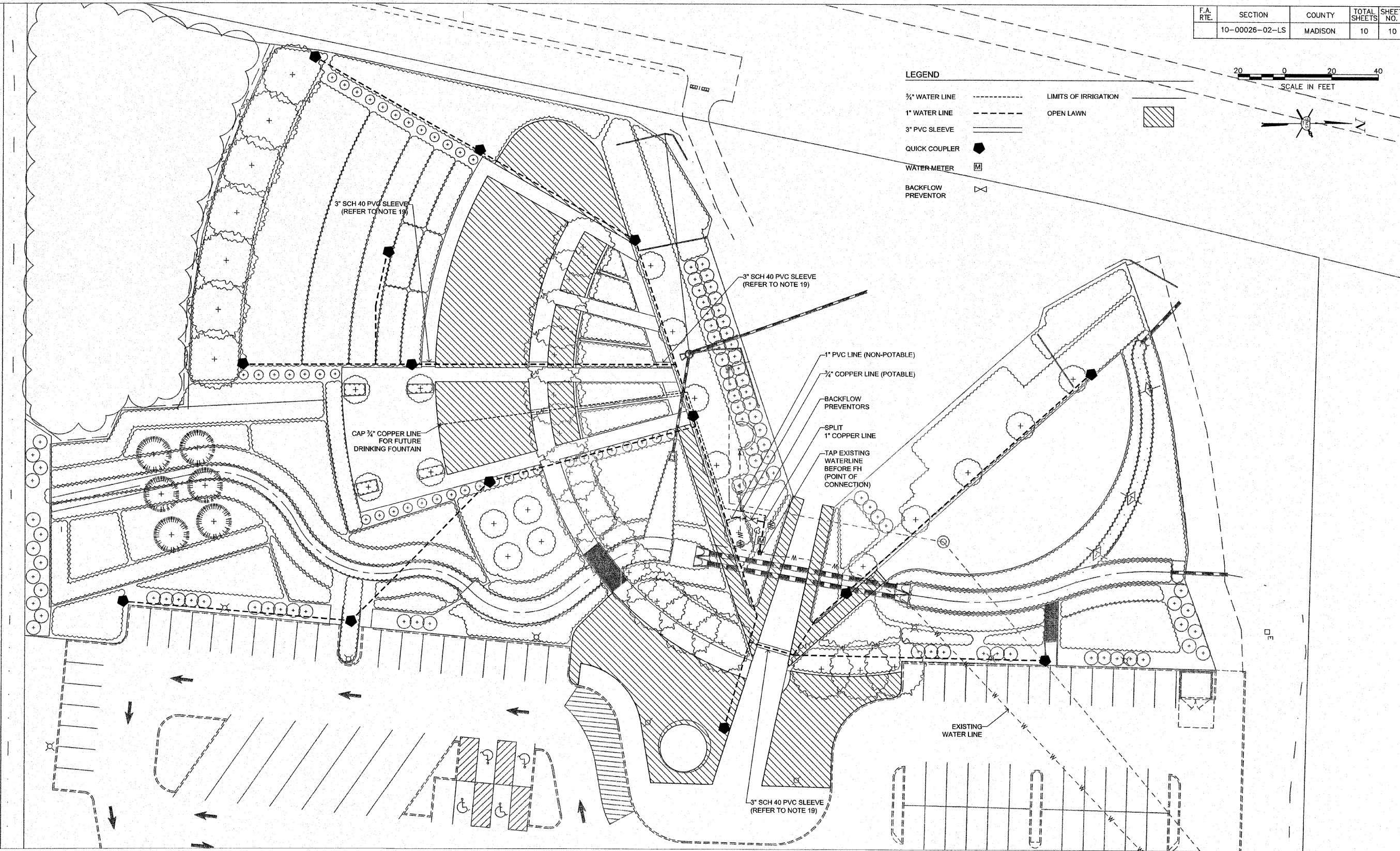
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LEWIS AND CLARK MEMORIAL TOWER
TOWER LANDSCAPING
SECTION 10-00026-02-LS
BOARDWALK ENLARGEMENT PLAN AND DETAILS

DWG. NO.	LP/HARTFORD 448079 CONFORMANCE TOWER
REF. BK.	XXX.DWG.
JOB NO.	448079.0
DSN. BY:	RW
DWN. BY:	RW
CHK. BY:	NTF
DATE:	SEPTEMBER, 2011
SCALE:	NTS
SHEET	9 OF 10



IRRIGATION NOTES

- IRRIGATION PLAN IS SCHEMATIC ONLY. THE CONTRACTOR IS TO UTILIZE THIS SCHEMATIC PLAN AS THE BASIS OF HIS DESIGN. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIRED COMPONENTS.
- 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.
- 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.
- CONTRACTOR SHALL INSTALL SYSTEM PER LOCAL CODES AND MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
- CONTRACTOR SHALL PROVIDE PRESSURE LOSS CALCULATIONS FOR THE LARGEST AND MOST REMOTE ZONE.
- 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.
- ALL DAMAGED AND REJECTED PIPE WILL BE REMOVED FROM THE SITE AT THE TIME OF REJECTION.
- ALL SPRINKLER HEADS SHALL BE SET PERPENDICULAR TO FINISH GRADE UNLESS OTHERWISE SPECIFIED.
- THE CONTRACTOR WILL FLUSH AND ADJUST ALL SPRINKLER HEADS AND VALVES FOR OPTIMUM OPERATION WITH MINIMAL OVERSPRAY ONTO WALKS, STREETS, WALLS, ETC.
- ALL PIPING, VALVES, ETC., WILL BE INSTALLED IN PLANTING AREAS / SHRUB BEDS WHEREVER POSSIBLE.
- 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.
- THE CONTRACTOR SHALL COORDINATE THE IRRIGATION WORK WITH OTHER CONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE SLEEVES THROUGH WALLS, UNDER ROADWAYS AND PAVING, ETC.
- THE IRRIGATION 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.
- ALL IRRIGATION EQUIPMENT NOT OTHERWISE DETAILED OR SPECIFIED WILL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.
- 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.
- ALL REMOTE CONTROL VALVES, GATE VALVES, QUICK COUPLERS AND CONTROL WIRE PULL POINTS SHALL BE INSTALLED IN APPROVED VALVE BOXES.
- QUICK COUPLER VALVES SHALL BE LOCATED AND INSTALLED AS INDICATED ON THE DRAWINGS.
- ALL CONTROL VALVES, EXCEPT MASTER VALVE, WILL BE INSTALLED WITH A PRESSURE REGULATING MODULE, (0-100 PSI RANGE)
- PROPOSED SLEEVE SHALL BE BORED UNDER EXISTING SIDEWALK. NO SIDEWALK REMOVAL ALLOWED.

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VILLAGE OF HARTFORD, ILLINOIS
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 IRRIGATION PLAN

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REF. BK.	PG. XXX.DWG
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DSN. BY:	RW
DWN. BY:	RW
CHK. BY:	NTF
DATE:	SEPTEMBER, 2011