## STATE OF ILLINOIS

# **DEPARTMENT OF TRANSPORTATION**

**DIVISION OF HIGHWAYS** 

# IDOT /IHPA STATEWIDE PULLMAN STATE HISTORICAL SITE

PARK ROAD AND PATHWAY IMPROVEMENTS 2006 COOK COUNTY JOB NO. C-30-012-06

SECTION: PULLMAN HISTORIC SITE

## **STATE STANDARDS**

**INDEX OF SHEETS** 

TYPICAL SECTIONS, GATE DETAILS & LEGEND

SURVEY TIES, BENCHMARKS & GENERAL NOTES SUMMARY AND SCHEDULE OF QUANTITIES

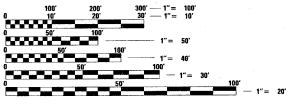
COVER SHEET

6 REMOVAL PLAN
7-8 PROPOSED PLAN
9-10 PROPOSED STAKING LAYOUT PLAN

11 PROPOSED WATER MAIN PLAN
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15 LANDSCAPING DETAILS
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000001-04 280001-02 424001-04 701606-04 701801-03

701606-04 701801-03 702001-06

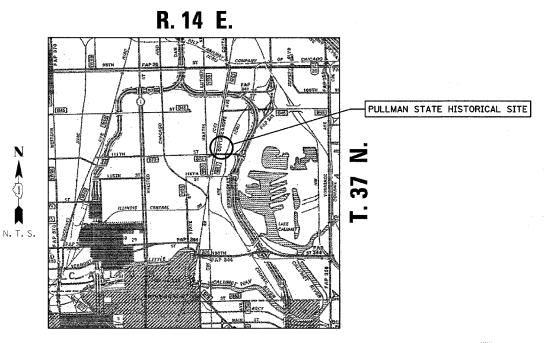


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123

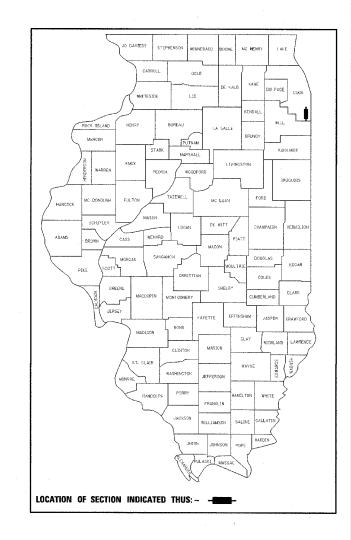
**CONTRACT NO. 44917** 

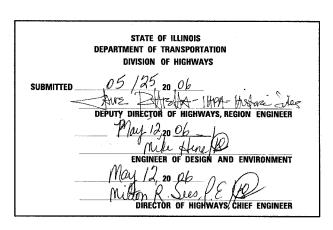


**LOCATION MAP** 

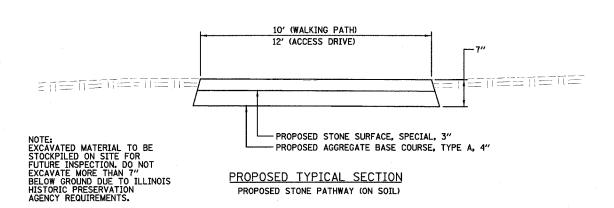


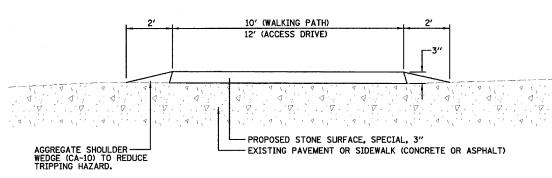
EXPIRATION DATE NOV. 30, 2007



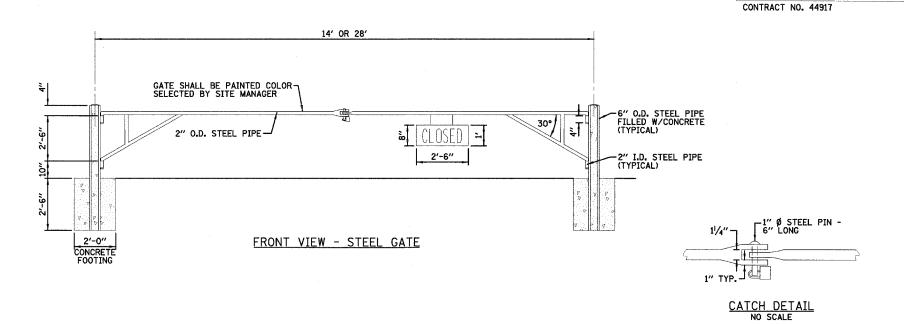


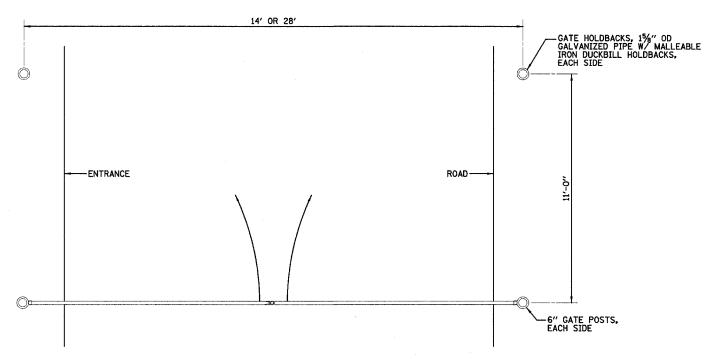
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PROPOSED TYPICAL SECTION PROPOSED STONE PATHWAY (ON RIGID SURFACE)





TOP VIEW - STEEL GATE

METAL GATE NO SCALE

REVISION NAME	NS DATE	ILLINOIS DEPARTMENT TYPICAL SECTION: AND L IDOT / PULLMAN STATE	S, GATE DETAILS EGEND IHPA
		SCALE: VERT. HORIZ. DATE: 11/08/05	DRAWN BY: DJM .

F.A. SECTION

STA.

COUNTY TOTAL SHEE NO.

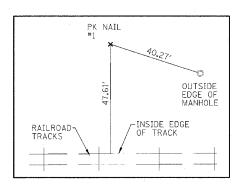
17 2

COOK

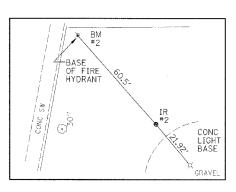
TO STA. FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

RTE. SECTION	COUNTY	SHEETS NO.
	COOK	17 3
STA.	TO STA.	
FED. ROAD DIST, NO.	ILLINOIS FED. AID	PROJECT

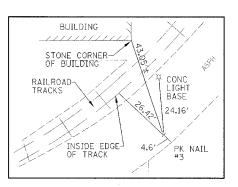
CONTRACT NO. 44917



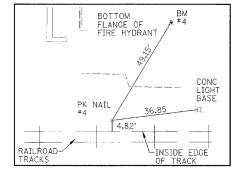
CONTROL PT #1 (PK NAIL) N10000.020 E10000.001 ELEV=97.17



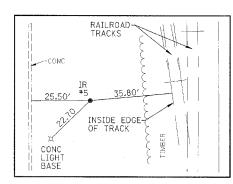
CONTROL PT #2 (IRON ROD) N10752.413 E10020.798 ELEV=97.11



CONTROL PT #3 (PK NAIL) N9989.810 E10421.806 ELEV=97.54



CONTROL PT #4 (PK NAIL) N10248.978 E10165.146 ELEV=97.15



CONTROL PT #5 (IRON ROD) N10271.111 E10439.198 ELEV=97.30

	BENCHMARK LOCATIONS	
NUMBER	DESCRIPTION	ELEVATION
1	TOP FIRE HYDRANT NE CORNER OF E. 111TH ST & S. COTTAGE GROVE AVE	ASSUMED 100.00
@	TOP FIRE HYDRANT NW CORNER OF SITE (INSIDE FENCE)	99.80
3	TOP FIRE HYDRANT E SIDE NORTH BUILDING 150± S OF NE CORNER OF BUILDING	100.34
4	TOP FIRE HYDRANT 60'± E OF SE CORNER OF NORTH BUILDING	100.25

BITUMINOUS TABLE					
MIXTURE USE (S):	SURFACE	LEVELING BINDER	BINDER		
PG	58-22	58-22	58-22		
RAP % (MAX)	15	25	30		
DESIGN AIR VOIDS	4.2	4.2	4.2		
MIXTURE COMPOSITION					
(GRADATION MIXTURE)	IL 9.5	IL 9.5	IL 19.0		
FRICTION AGGREGATE	MIX C	N/A	N/A		
20 YEAR ESAL	N30	N30	N30		

APPLICATION RATES	
BITUMINOUS MATERIALS (PRIME COAT) MC-30 BITUMINOUS MATERIALS (PRIME COAT) RC-70 BITUMINOUS CONCRETE BINDER COURSE BITUMINOUS CONCRETE SURFACE COURSE GRANULAR MATERIALS NITROGEN FERTILIZER NUTRIENT PHOSPHERUS FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT MULCH METHOD 1	0.40 GAL/SY 0.10 GAL/SY 112 LB/IN/SY 112 LB/IN/SY 2.05 TONS/CY 90 LB/ACRE 90 LB/ACRE 2 TONS/ACRE

## GENERAL NOTES

- 1.) THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE AND GENERAL CONDITIONS FOR BOTH THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) AND THE CITY OF CHICAGO.
- 2.) THE CONTRACTOR SHALL OBTAIN ALL PERMITS NECESSARY TO COMPLETE THE WORK AND SHALL COORDINATE WITH BOTH IDOT AND THE APPROPRIATE DEPARTMENT WITH THE CITY OF CHICAGO.
- 3.) THE CONTRACTOR SHALL NOTIFY THE SITE MANAGER, MR. MIKE WAGENBACH, AT 773-660-2341, FORTY-EIGHT HOURS PRIOR TO MAKING ANY EXCAVATIONS ON THE PROJECT SITE. THE SITE MANAGER DESIRES TO OBSERVE ANY EXCAVATIONS AND DOCUMENT ANY ARTIFACTS UNCOVERED DURING SAME.

REVISIO	NS	THE THOSE DEDARTMENT	F OF TRANSPORTATION
NAME	DATE	SURVEY TIES AND GENE IDOT	F OF TRANSPORTATION  B, BENCHMARKS  RAL NOTES  IHPA  HISTORIC SITE
		SCALE: VERT. HORIZ. DATE: 11/08/05	DRAWN BY: DJM

		SUMMARY OF QUANTITIES		URBAN 100:1-STATE Y051
	CODE NO.	ITEM	UNIT	TOTAL
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	20
	20100500	TREE REMOVAL, ACRES	ACRE	0.5
	20100300	THE REMOVAL, ACTES	AONE	0.0
	20200100	CADTIL EVOAVATION	CU YD	995
	20200100	EARTH EXCAVATION	CO ID	333
		ENTRE FROM WITTON (COPPANY)	011 1/5	
*	20200410	EARTH EXCAVATION (SPECIAL)	CU YD	50
	20800150	TRENCH BACKFILL	CU YD	100
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	17,260
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	270
	25000500	PHOSPHORUS FERTLIZER NUTRIENT	POUND	270
	25000600	POTASSIUM FERTLIZER NUTRIENT	POUND	270
*	25000900	SEEDING, CLASS 1 (SPECIAL)	ACRE	1.7
*	25001750	SEEDING, CLASS 4 (SPECIAL)	ACRE	0.9
*	25001810	SEEDING, CLASS 5 (SPECIAL)	ACRE	0.4
	20001010			
	25100110	MULCH, METHOD 1	TON	6.0
	23100110	MODELIN METHOD I		
	28000400	PERIMETER EROSION BARRIER	FOOT	1600
	20000100			
	28000500	INLET AND PIPE PROTECTION	EACH	7
	35100100	AGGREGATE BASE COURSE, TYPE A	TON	860
	00,100,100	Additional Bridge desired, which is a second		
	40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	80
	10000100	Brown de la company de la comp		
	40600980	BITUMINOUS SURFACE REMOVAL - BUTT JOINT	SQ YD	140
	1000000			
	42000300	PORTLAND CEMENT CONCRETE PAVEMENT, 8"	SQ YD	15
	1200000	TOTAL CONTROL TO A		
	42400100	PORTLAND CEMENT CONCRETE SIDEWALK, 4 INCH	SQ FT	175
	42400100	FORTEAND CLIMENT CONCRETE SIDEMALN, A INCH	30 11	113
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	75
	44000200	DUTACANT LAACMEAL VEWOAME	30 10	13
	44000600	CIDEWALK DEMOVAL	SQ FT	1970
	44000600	SIDEWALK REMOVAL	30 11	1510
*	44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	25
*	44001700	COMMINATION CONCRETE GOLD AND GOTTER REMOVAE AND RELEACEMENT	1001	23
*	44200280	PAVEMENT PATCHING TYPE IV	SQ YD	25
-	77200200	TAXABLED TAIMBRE THE D		
	4810 <b>1.2</b> 00	AGGREGATE SHOULDERS TYPE B	TON	40
	1010 Pg00			
	50102400	CONCRETE REMOVAL	CU YD	5
			0	
	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	52
	L			

F.A RTE.	SECTIO	N	COUN	ΤY	TOTAL SHEETS	SHEET NO.
			C00	K	17	4
STA.		TO	STA.			
FED. ROAD	DIST. NO.	ILLINOIS	FED.	AID	PROJECT	

## SUMMARY

OF QUANTITIES	CONTRACT			
	UN	т то	TAL	

ITEM	UNIT	TOTAL
		<del> </del>
DOUTEL THOM HALLY WAIN O	FUUT	115
	,	
TAPPING VALVES AND SLEEVES 6"	EACH	1
MOBILIZATION	L SUM	1
TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1
TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1
TREE, CELTIS OCCIDENTALIS WINDY CITY (WINDY CITY HACKBERRY), 21/2" CALIPER, BALLED AND BURLAPPED	EACH	1
·		
TREE, CERCIS CANADENSIS (EASTERN REDBUD) 8' HEIGHT, BALLED AND BURLAPPED	EACH	1
		-
TREE, CRATAEGUS CRUS GALLI VAR. INERMIS "CRUSADER" (CRUSADER THORNLESS COCKSPUR HAWTHORN) 2" CALIPER, BALLED AND BURLAPPED	EACH	₹ 7
r GREEN		
TREE, FRAXINUS PENNSYLV ANICA CIMMARON (CIMARRON ASH), 21/2" CALIPER, BALLED AND BURLAPPED	EACH	4
- AMERICAN HOPHORNBEAM		
TREE, OSTRYA VIRGINIANA ( ), 2" CALIPER, BALLED AND BURLAPPED	EACH	5
SHRUB, CARYOPTERIS X CLANDONENSIS "ARTHUR SIMMONDS" (ARTHUR SIMMONDS BLUFBEARD), 1-GALLON	EACH	77
	27.011	
SHRUB CEANOTHUS AMERICANUS (NEW JERSEY TEA) CONTAINER CROWN 3-CALLON	EACH	43
orned deliverse and deliver deliver term of the deliverse	LACIT	10
CUDID DIDICOLO CYDIACIC VIDLIE DIDIV VILLE DIDI DACE AE CHADAN 2 4/0/ HETCHT DALLED AND DUDLADDED	FAOU	10
SHOUN, HIBISOUS STATACUS BLUE BIAD TOLUE BIAD AUSE OF SHAROW 2-1/2 REIGHT, BALLED AND BURLAFFED	EACH	10
CURING TO WHITE THE WORLD OF CITIES AND DESCRIPTION OF CITIES AND DEPOSIT OF THE COURT OF THE CO		
SHRUB, KULKWITZIA AMABILIS "PINK CLOUD" (PINK CLOUD BEAUTY BUSH) 2" HEIGHT, BALLED AND BURLAPPED	EACH	11
SHRUB, POTENTILLA FRUITICOSA "PINK BEAUTY", (PINK BEAUTY BUSH CINQUEFOIL), CONTAINER GROWN, 2-GALLON	EACH	100
SHRUB, RHUS AROMATICA "GRO-LOW", (GRO-LOW SUMAC), CONTAINER GROWN, 3-GALLON	EACH	201
SHRUB, SYRINGA MEYERI PALIBIN (DWARF KOREAN LILAC), 2' HEIGHT, BALLED AND BURLAPPED	EACH	79
SHRUB, SYMPHORICARPUS X CHENALTII "HANCOCK", (HANCOCK CORALBERRY), CONTAINER GROWN, 3-GALLON	EACH	52
SHRUB, VIBURNUM DENTATUM, (ARROWWOOD VIBURNUM), 2' HEIGHT, BALLED AND BURLAPPED	EACH	20
SHRUB, VIBURNUM LANTANA MOHICAN , (MOHICAN WAYFARING TREE VIBURNUM) 3' HEIGHT, BALLED AND BURLAPPED	EACH	21
		<del></del>
PERENNIAL PLANTS, ACHILLEA X "MOONSHINE", (MOONSHINE YARROW), 1-GALLON	FACH	70
THINNIA COLUMN	LACIT	10
		1
PERENNIAL PLANTS, AQUILEGIA CANADENSIS, (AMERICAN COLUMBINE), 1-GALLON	EACH	51
	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801  TREE, CELTIS OCCIDENTALIS WINDY CITY (WINDY CITY HACKBERRY), 2½" CALIPER, BALLED AND BURLAPPED  TREE, CERCIS CANADENSIS (EASTERN REDBUD) 8' HEIGHT, BALLED AND BURLAPPED  TREE, CRATAEGUS CRUS GALLI VAR, INERMIS "CRUSADER" (CRUSADER THORNLESS COCKSPUR HAWTHORN) 2" CALIPER, BALLED AND BURLAPPED  TREE, FRAXINUS PENNSYLV ANICA CIMMARON (CIMARRON ASH), 2½" CALIPER, BALLED AND BURLAPPED  AMERICAN HOPHORNBEAM  TREE, OSTRYA VIRGINIANA ( ), 2" CALIPER, BALLED AND BURLAPPED  SHRUB, CARYOPTERIS X CLANDONENSIS "ARTHUR SIMMONDS" (ARTHUR SIMMONDS BLUEBEARD), 1-GALLON  SHRUB, CEANOTHUS AMERICANUS (NEW JERSEY TEA), CONTAINER GROWN, 3-GALLON  SHRUB, HIBISCUS SYRIACUS "BLUE BIRD" (BLUE BIRD ROSE OF SHARON) 2-1/2" HEIGHT, BALLED AND BURLAPPED  SHRUB, KOLKWITZIA AMABILIS "PINK CLOUD" (PINK CLOUD BEAUTY BUSH 2" HEIGHT, BALLED AND BURLAPPED  SHRUB, POTENTILLA FRUITICOSA "PINK BEAUTY", (PINK BEAUTY BUSH CINQUEFOIL), CONTAINER GROWN, 2-GALLON  SHRUB, RHUS AROMATICA "GRO-LOW", (GRO-LOW SUMAC), CONTAINER GROWN, 3-GALLON  SHRUB, SYRINGA MEYER! PALIBIN (DWARF KOREAN LILAC), 2" HEIGHT, BALLED AND BURLAPPED  SHRUB, SYRINGA MEYER! PALIBIN (DWARF KOREAN LILAC), 2" HEIGHT, BALLED AND BURLAPPED  SHRUB, SYRINGA MEYER! PALIBIN (DWARF KOREAN LILAC), 2" HEIGHT, BALLED AND BURLAPPED  SHRUB, SYMPHORICARPUS X CHENALTII "HANCOCK", (HANCOCK CORALBERRY), CONTAINER GROWN, 3-GALLON  SHRUB, VIBURNUM DENTATUM, (ARROWOOD VIBURNUM), 2" HEIGHT, BALLED AND BURLAPPED	TRAFFIRG VALVES AND SLEEVES 6"  EACH  MOBILIZATION  L SUM  TRAFFIC CONTROL AND PROTECTION, STANDARD 701606  L SUM  TRAFFIC CONTROL AND PROTECTION, STANDARD 701606  L SUM  TREE, CELTIS OCCIDENTALIS WINDY CITY (WINDY CITY HACKBERRY), 2½" CALIPER, BALLED AND BURLAPPED  EACH  TREE, CERCIS CANADENSIS (CASTERN REDBLD) 8' HEIGHT, BALLED AND BURLAPPED  EACH  TREE, CRATAGOUS CRUS GALLI VAR, INFRMIS "CRUSADER" (CRUSADER THORNLESS COCKSPUR HAWTHOWN)  EACH  TREE, FRAXINLIS PENNSYL V ANICA CIMMARON (CIMARRON ASH), 2½" CALIPER, BALLED AND BURLAPPED  EACH  AMERICAN HEPPERASSON  TREE, OSTRYA VIRGINIANA ( ), 2" CALIPER, BALLED AND BURLAPPED  EACH  SHRUB, CARYOPTERIS X CLANDONENSIS "ARTHUR STANDARDS" (ARTHUR STANDARDS" LUBBEARD), 1-CALLON  EACH  SHRUB, CEANOTHUS AMERICANUS (NEW JERSEY TEA), CONTAINER GROWN, 3-CALLON  EACH  SHRUB, NOLKRITZIA AMABILIS "PINK CLOUD" (PINK CLOUD BEAUTY BUSH) 2' HEIGHT, BALLED AND BURLAPPED  EACH  SHRUB, NOLKRITZIA AMABILIS "PINK CLOUD" (PINK CLOUD BEAUTY BUSH) 2' HEIGHT, BALLED AND BURLAPPED  EACH  SHRUB, POTENTILLA FRUITICOSA "PINK BEAUTY", (PINK BEAUTY BUSH CONDUEFOIL), CONTAINER GROWN, 2-GALLON  EACH  SHRUB, SYMPHORICARPLIS X CHENALTII "HANCOCK", HANCOCK CORALBERRY), CONTAINER GROWN, 3-GALLON  EACH  SHRUB, SYMPHORICARPLIS X CHENALTII "HANCOCK", HANCOCK CORALBERRY), CONTAINER GROWN, 3-GALLON  EACH  SHRUB, VIBURNUM DENTATUM, (ARROWKOOD VIBURNUM), 2' HEIGHT, BALLED AND BURLAPPED  EACH  SHRUB, VIBURNUM DENTATUM, (ARROWKOOD VIBURNUM), 2' HEIGHT, BALLED AND BURLAPPED  EACH  SHRUB, VIBURNUM DENTATUM, (ARROWKOOD VIBURNUM), 2' HEIGHT, BALLED AND BURLAPPED  EACH  SHRUB, VIBURNUM DENTATUM, (ARROWKOOD VIBURNUM), 2' HEIGHT, BALLED AND BURLAPPED  EACH  SHRUB, VIBURNUM DENTATUM, (ARROWKOOD VIBURNUM), 2' HEIGHT, BALLED AND BURLAPPED  EACH  SHRUB, VIBURNUM DENTATUM, (ARROWKOOD VIBURNUM), 2' HEIGHT, BALLED AND BURLAPPED  EACH

REVISIONS		ILLINOIS DEPARTMENT	OF TRANSPORTATION
NAME	DATE	ILLINOIS DEPARTMENT	OF TRANSPORTATION
		SUMMARY AND SCHED	ULE OF QUANTITIES
		IDOT /	' THP∆
		PULLMAN STATE	
		SCALE: VERT.	DRAWN BY: DJM
		HORIZ.	
		DATE: 11/08/05	CHECKED BY: PJM

## SUMMARY OF QUANTITIES

CODE NO.	ITEM	TINU	TOTAL
XX004486	ASCLEPIAS TUBEROSA, 1-GALLON	EACH	.41
XX004490	ECHINACEA PURPUREA 'MAGNUS', 1-GALLON	EACH	25
k0030397	PERENNIAL PLANTS, EUPATORIUM PURPUREUM, (PURPLE JOE PYE WEED), 1-GALLON	EACH	70
K0030399	PERENNIAL PLANTS, PANICUM VIRGATUM "SHENANDOAH", (SHENANDOAH SWITCH GRASS), 1-GALLON	EACH	190
K1004466	PERENNIAL PLANTS, RUDBECKIA SUBTOMENTOSA (SWEET BLACK EYED SUSAN), 1-GALLON	EACH	76
K0030428	PERENNIAL PLANTS, SPOROBOLUS HETEROLEPIS, (PRAIRIE DROPSEED), 1-GALLON	EACH	23
K1005481	SHREDDED BARK MULCH 3"	SQ YD	1810
X0323185	DUCTILE IRON WATER MAIN TEE, 6" × 6"	EACH	1
X4066412	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N30	TON	70
X4066760	LEVELING BINDER (MACHINE METHOD), SUPERPAVE N30	TON	35
XX003544./	DUCTILE IRON WATER MAIN FITTINGS, 6", 90 DEGREE BEND	EACH	1
Z0013798	CONSTRUCTION LAYOUT	L SUM	1
X0325417	GATE, SPECIAL 14'	EACH	1
X0325418	GATE, SPECIAL 28'	EACH	1
X002982	GATE VALVES 6"	EACH	1
X0325419	BALL VALVES 2"	EACH	1
X0325420	INSTALL FURNISHED SIGNS	EACH	4
X0325421	STONE SURFACE SPECIAL	SQ YD	4800
X0325422	DUCTILE IRON WATER MAIN FITTINGS, 6", 11/4 DEGREE BEND	EACH	1
X0325423	DUCTILE IRON WATER MAIN 6" (SPECIAL)	FOOT	10
X0325424	INLET SPECIAL WITH SPECIAL GRATE	EACH	1
X0325425	REMOVE AND RESET POWER POLE	EACH	1

*	SPECIAL	PROVISION
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SEEDING TABLE							
	SEEDING CLASS 1 (SPECIAL)	SEEDING CLASS 4 (SPECIAL)	SEEDING CLASS 5 (SPECIAL)	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	MULCH METHOD 1
LOCATION							
SOUTHWEST CORNER OF SITE; NORTH, EAST AND WEST SIDE ADMINISTRATION BUILDING	1.7						
NORTH, SOUTH, EAST AND WEST PROPERTY LINES		0.9					
WEST PROPERTY LINE			0.4				
SEEDING, CLASS 1 (SPECIAL) AREA				153	. 153	153	3. 4
SEEDING, CLASS 4 (SPECIAL) AREA				81	81	81	1.8
SEEDING, CLASS 5 (SPECIAL) AREA				36	36	36	0.8
TOTAL	1 7	0.9	0.4	270	270	270	6.0

	TREE REMOVAL (6 TO 15 UNITS DIAMETER	)
LOCATION		UNIT
NORTH OF	ADMINISTRATION BUILDING AT FENCE	20
TOTAL		20

TREE REMOVAL ACRES	
LOCATION	ACRE
NORTH FENCE LINE	0.17
EAST FENCE LINE	0.21
WEST FENCE LINE	0.04
NORTHEAST CORNER ADMINISTRATION BUILDING	0.03
TOTAL	0.45

PERIMETER EROSION BARRIER	
LOCATION	FOOT
SOUTHEAST CORNER OF PROPERTY	342
SOUTH SIDE PROPERTY LINE	308
WEST SIDE PROPERTY LINE	886
NORTH SIDE PROPERTY LINE	64
TOTAL	1,600

INLET AND PIPE PROTECTION	
LOCATION	EACH
WEST SIDE ADMINISTRATION BUILDING	5
EAST SIDE REAR ERECTING SHOPS (EXIST. SS MH)	1
EAST SIDE REAR ERECTING SHOPS (TRANSFER PIT)	1
TOTAL	7

AGGREGATE BASE COURSE, TYPE A	
LOCATION	TON
WALKWAY AREA	860
TOTAL	860

DRIVEWAY PAVEMENT REMOVAL		
LOCATION	SQ YD	
SOUTH COTTAGE GROVE (80' SOUTH MAIN ENTRANCE)	32	
SOUTH COTTAGE GROVE (MAINTENANCE TO ADMIN. BLDG.)	43	
TOTAL	75	

SIDEWALK REMOVAL	
LOCATION	SQ FT
SOUTH COTTAGE GROVE AT MAIN ENTRANCE	1,795
WATERMAIN LINE AT COTTAGE GROVE	82
NORTH FACTORY BUILDING	93
TOTAL	1,970

	ILLES TEDE ALD	
FED. ROAD DIST. NO.	ILLINOIS FED. AID	PROJECT
STA.	TO STA.	
	COOK	17
RTE. SECTION	COUNTY	SHEETS

GATE, SPECIAL 14'		
LOCATION	EACH	
SERVICE DRIVE - NORTHEAST CORNER ADMINISTRATION BUILDING	1	
TOTAL	1	

GATE, SPECIAL 28'	
LOCATION	EACH
SERVICE DRIVE AT SOUTH SIDE REAR ERECTING SHOPS	1
TOTAL	1

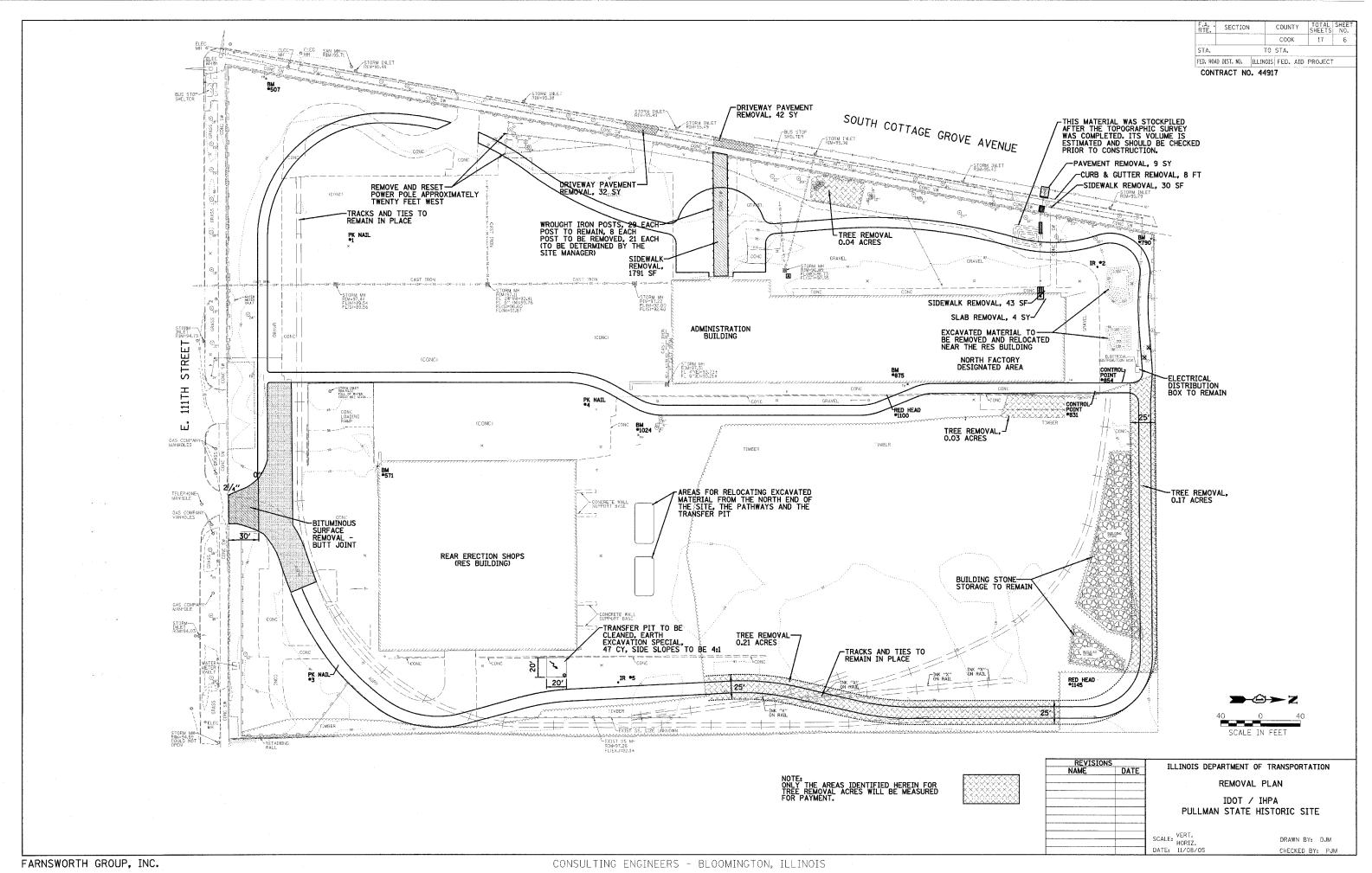
STONE SURFACE SPECIAL	
LOCATION	SQ YD
WEST OF REAR ERECTING SHOPS	396
EAST OF ADMINISTRATION BUILDING	185
SOUTHEAST REAR ERECTING SHOPS	340
WEST PROPERTY LINE	280
MAIN PATHWAY (EXCAVATED AREA)	3,599
TOTAL	4,800

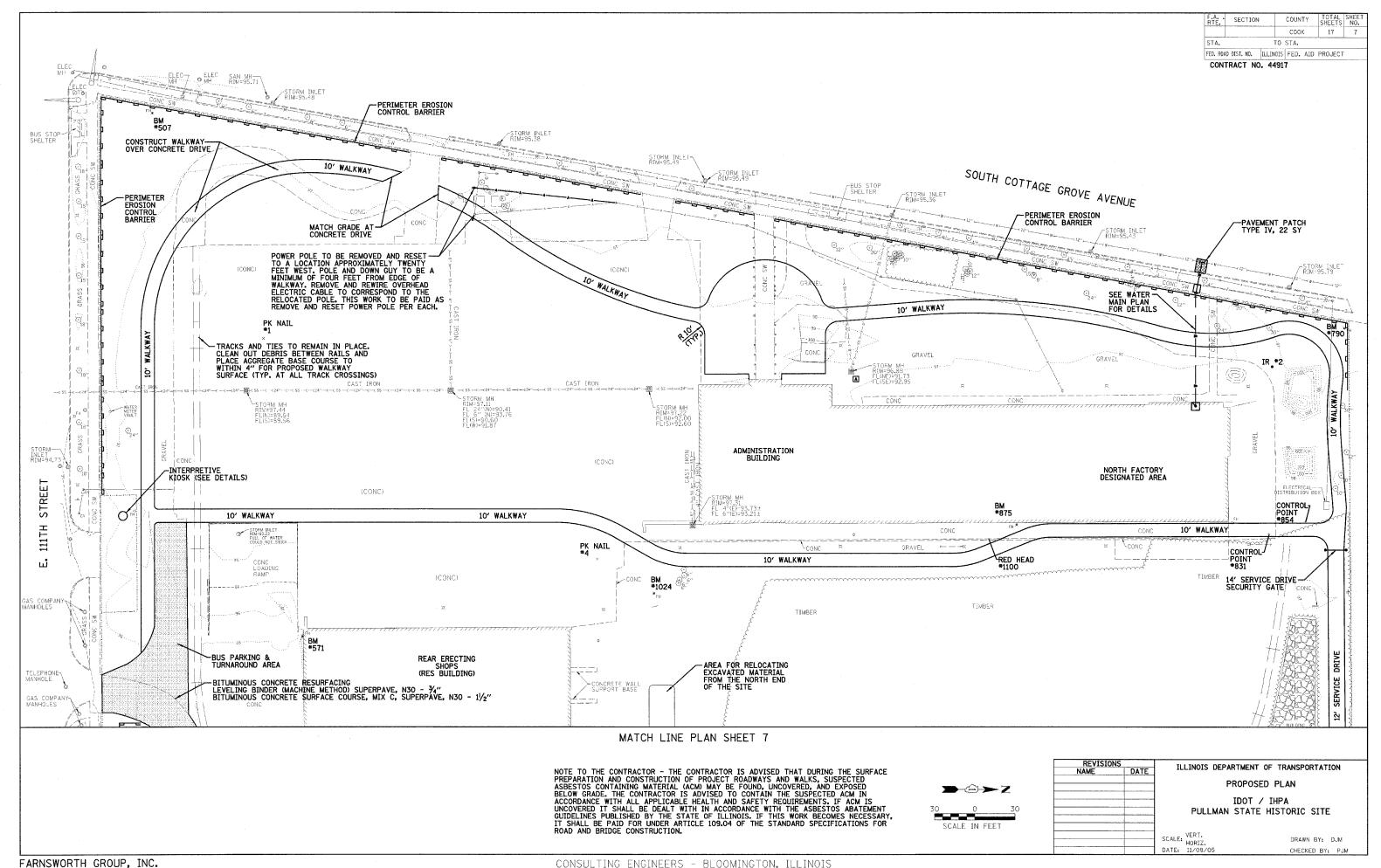
EARTH	WORK TABLE		
	EARTH EXCAVATION	EARTH EXCAVATION (SPECIAL)	TOPSOIL FURNISH & PLACE, 4"
LOCATION	CU YD	CU YD	SQ YD
PATHWAY OTHER THAN CONCRETE	755		
TRANSFER PIT		50	
SOUTHEAST PROPERTY CORNER			980
NORTH OF NORTH FACTORY BUILDING	150		470
WEST OF NORTH FACTORY BUILDING	90		1,090
NEW WATERMAIN			30
TOTAL	995	50	2,570

TRENCH BACKFILL	
LOCATION	SQ YD
TAP IN STREET	30
SIDEWALK AT STREET	16
SIDEWALK AT BUILDING	16
NEW 10' STONE SURFACE	22
INSIDE BUILDING	11
PATHWAY BEHIND RES BUILDING	5
TOTAL	100

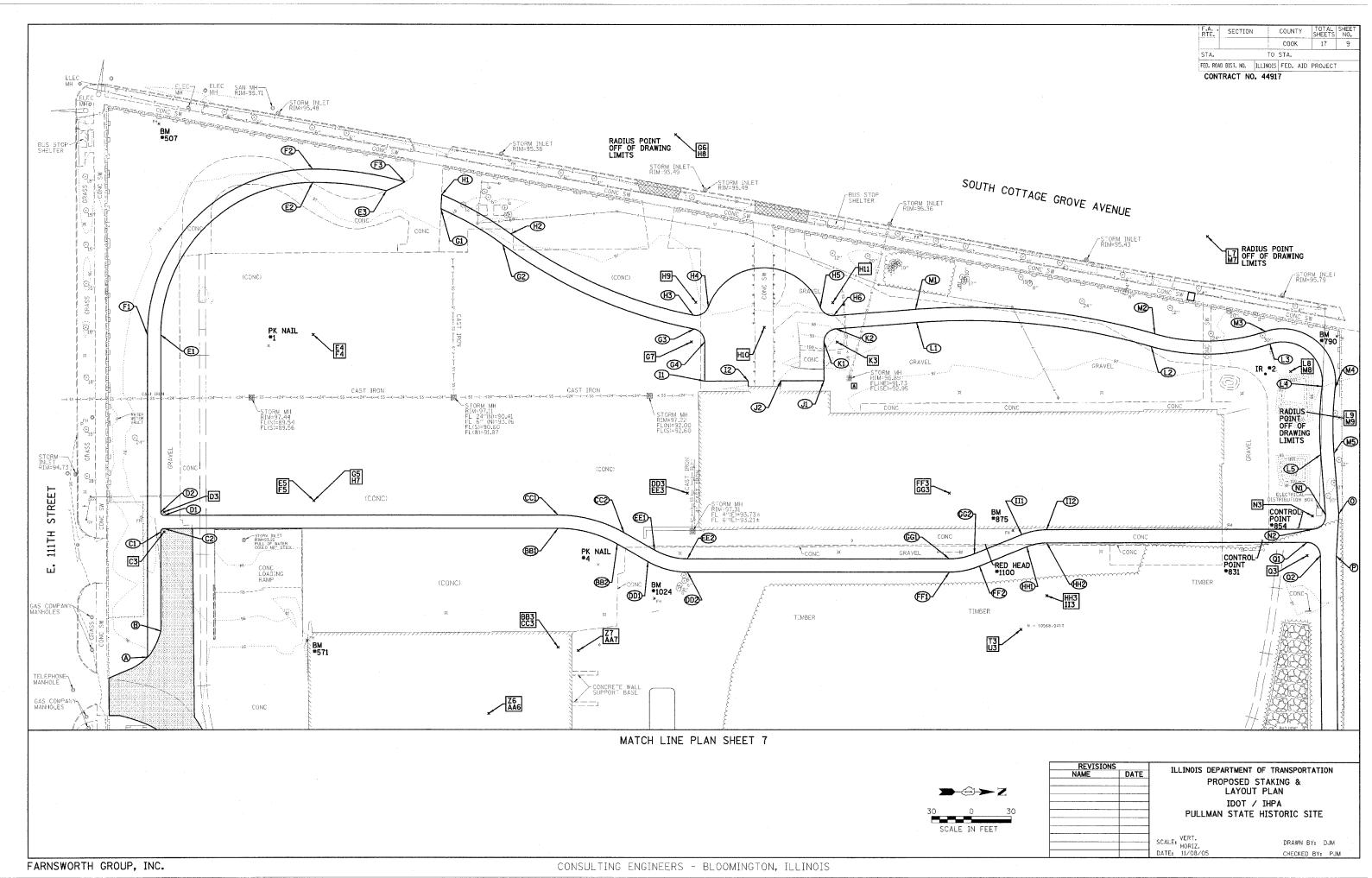
	PORTLAND	CEMENT	CONCRETE	SIDEWALK,	4 IN	СН
LOCA	TION					SQ FT
6" W	ATERMAIN AT	COTTAG	E GROVE			80
6" W	ATERMAIN AT	NORTH	FACTORY			95
TOTA	L					175

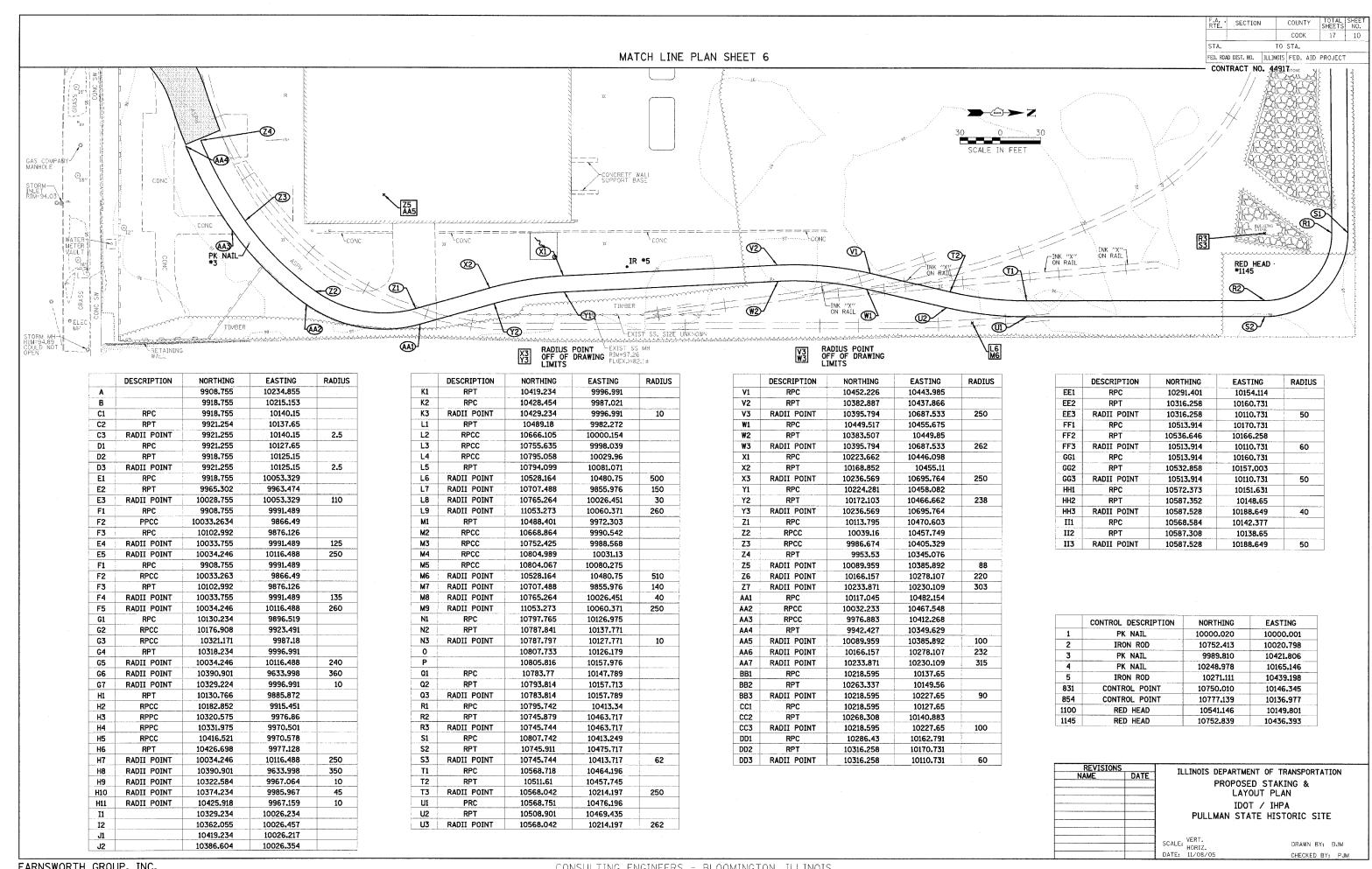
REVISIONS NAME	DATE	ILLINOIS DEPARTMENT O	F TRANSPORTATION
		SUMMARY AND SCHEDU	JLE OF QUANTITIES
		IDOT / PULLMAN STATE	
		SCALE: VERT. HORIZ. DATE: 11/08/05	DRAWN BY: DJM CHECKED BY: PJM

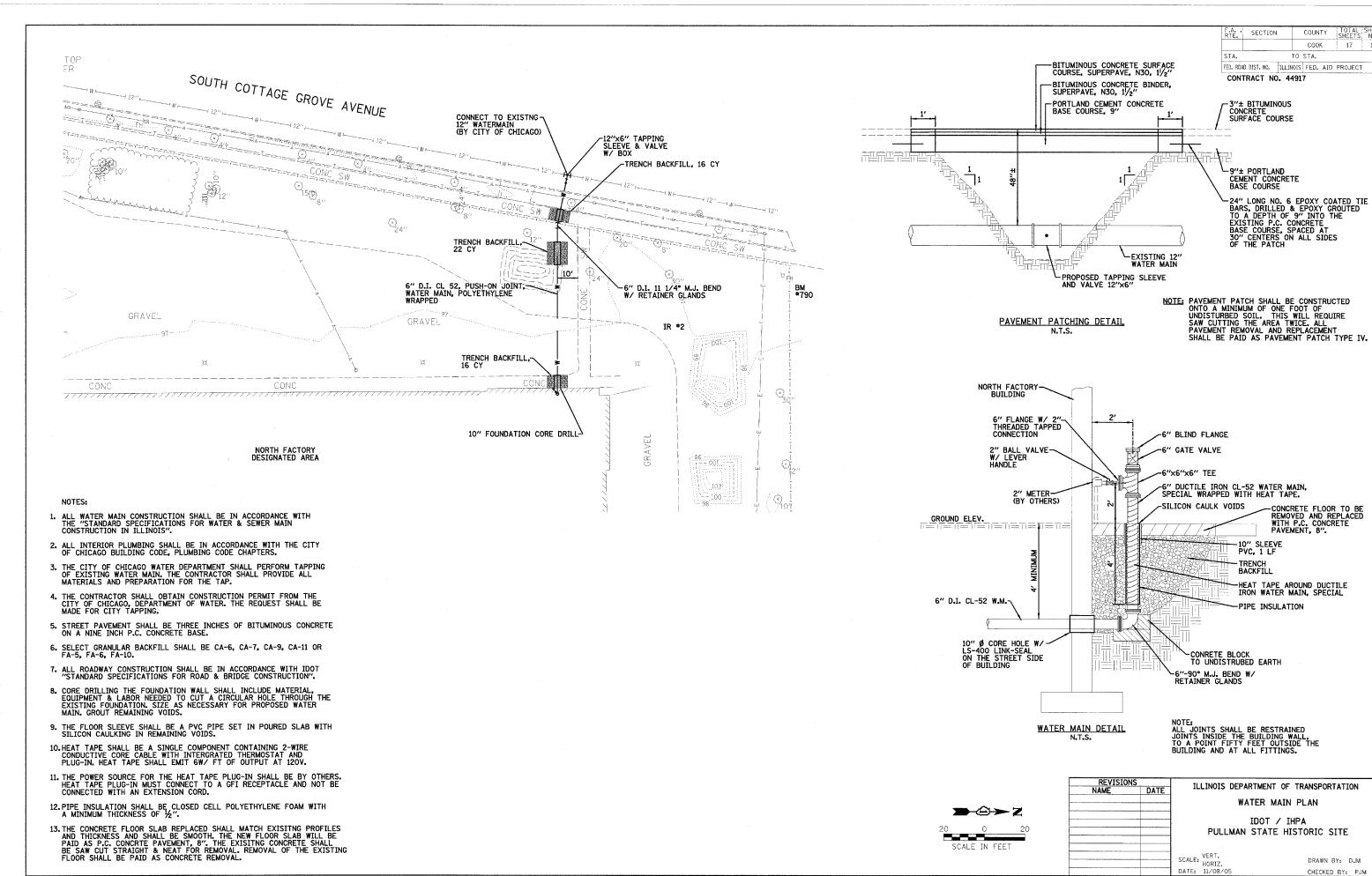




COUNTY TOTAL SHEE SHEETS NO. COOK 17 8 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT CONTRACT NO. 44917 MATCH LINE PLAN SHEET 6 -BITUMINOUS CONCRETE RESURFACING LEVELING BINDER (MACHINE METHOD) SUPERPAVE, N3O -3/4" BITUMINOUS CONCRETE SURFACE COURSE, MIX C, SUPERPAVE, N3O - 11/2" REAR ERECTING SHOPS (RES BUILDING) AREA FOR RELOCATING EXCAVATED MATERIAL FROM THE NORTH END OF THE SITE -28' SERVICE DRIVE SECURITY GATE INLET SPECIAL
WITH SPECIAL GRATE
T.G.=95.1±
FL=93.6±
(FINAL ELEVATION TO
BE DETERMINED BY PIT
EXCAVATION. SET INLET
0.2' LOWER THAN TIES.) GAS COMPAÑY MANHOLÉ ∥ -12' SERVICE DRIVE CONC TRACKS AND TIES TO REMAIN IN PLACE. CLEAN OUT DEBRIS BETWEEN RAILS AND PLACE AGGREGATE FOR ACCESS DRIVE (TYP. AT ALL TRACK CROSSINGS) -AREA OF TRANSFER PIT TO BE EXCAVATED SCOND FOLLOW THE EXISTING DRIVEWAY EDGE FROM PROPOSED GATE TO THE RAILROAD TRACKS /12"x52" SS TY 1 CL A @ 0.50% •IR #5 GRADE PIT TO DRAIN PK NAIL RED HEAD \*1145 12' SERVICE-DRIVE INK "X" TIMBER EXIST SS MH RIM=87.26 RETAINING WALL MAKE CONNECTION TO EXISTING MANHOLE. THIS WORK TO BE INCLUDED IN UNIT PRICE PER FOOT OF STORM SEWER. NOTE: EXCAVATION FOR TRANSFER PIT IS ASSUMED TO BE 24" DEEP. FL(EX.)=82.1± CONVEX DITCH GRATE-- HEAVY DUTY ⊢4½" 6" CAST IN PLACE— P.C. CONCRETE OR PRECAST CONCRETE WALLS AND BASE. FL OF STORM SEWER ILLINOIS DEPARTMENT OF TRANSPORTATION PROPOSED PLAN INLET SPECIAL WITH SPECIAL GRATE DETAIL IDOT / IHPA PULLMAN STATE HISTORIC SITE SCALE IN FEET SCALE: VERT. HORIZ. DATE: 11/08/05 DRAWN BY: DJM CHECKED BY: PJM FARNSWORTH GROUP, INC.







CHECKED BY: P.IM

COUNTY TOTAL SHEE

COOK TO STA.

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

-24" LONG NO. 6 EPOXY COATED TIE BARS, DRILLED & EPOXY GROUTED TO A DEPTH OF 9" INTO THE EXISTING P.C. CONCRETE BASE COURSES, SPACED AT 30" CENTERS ON ALL SIDES OF THE PATCH

-CONCRETE FLOOR TO BE REMOVED AND REPLACED WITH P.C. CONCRETE PAVEMENT, 8".

-HEAT TAPE AROUND DUCTILE IRON WATER MAIN, SPECIAL

-10" SLEEVE PVC, 1 LF

BACKFILL

-CONRETE BLOCK TO UNDISTRUBED EARTH

-PIPE INSULATION

ILLINOIS DEPARTMENT OF TRANSPORTATION WATER MAIN PLAN

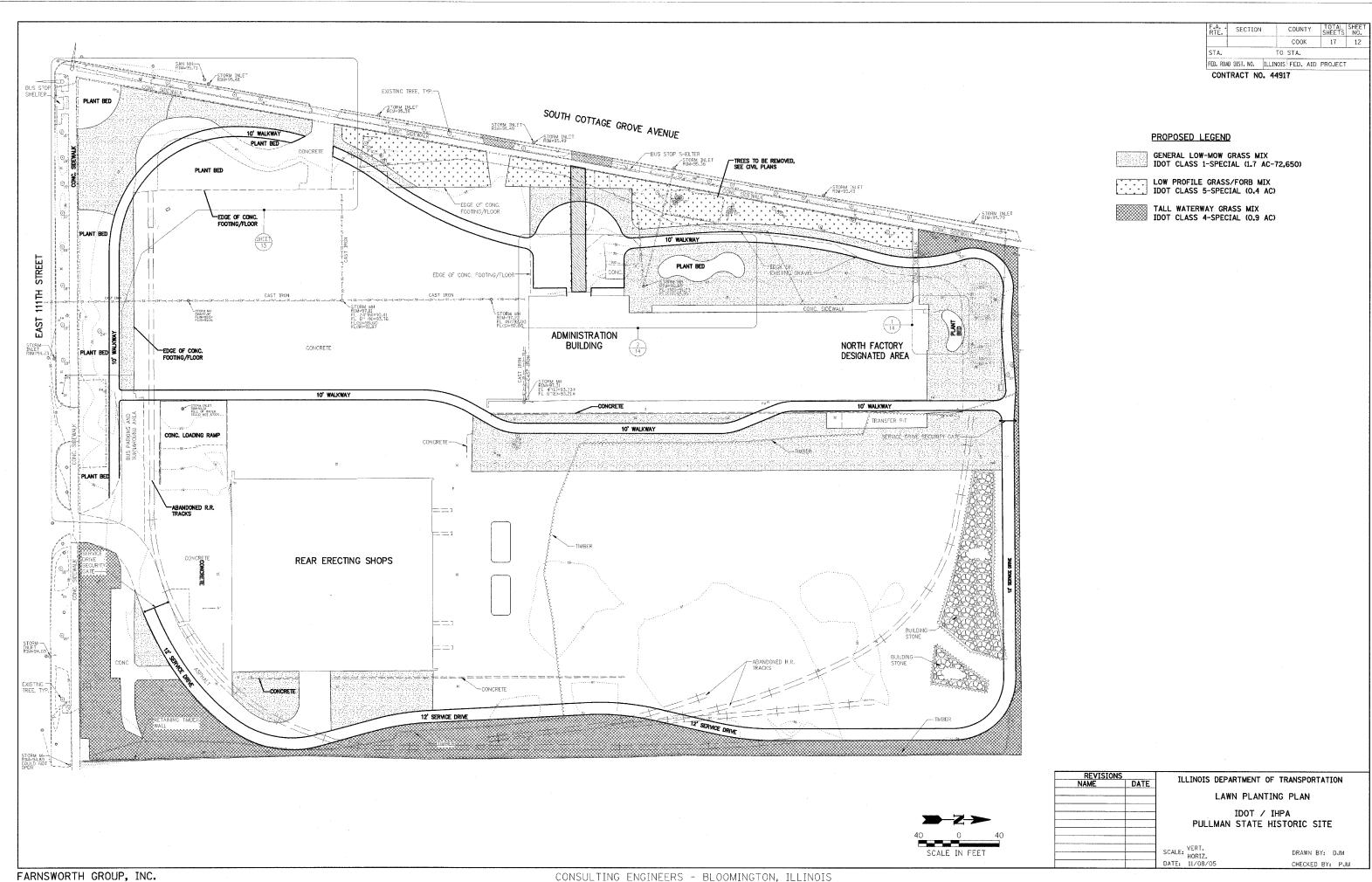
IDOT / IHPA

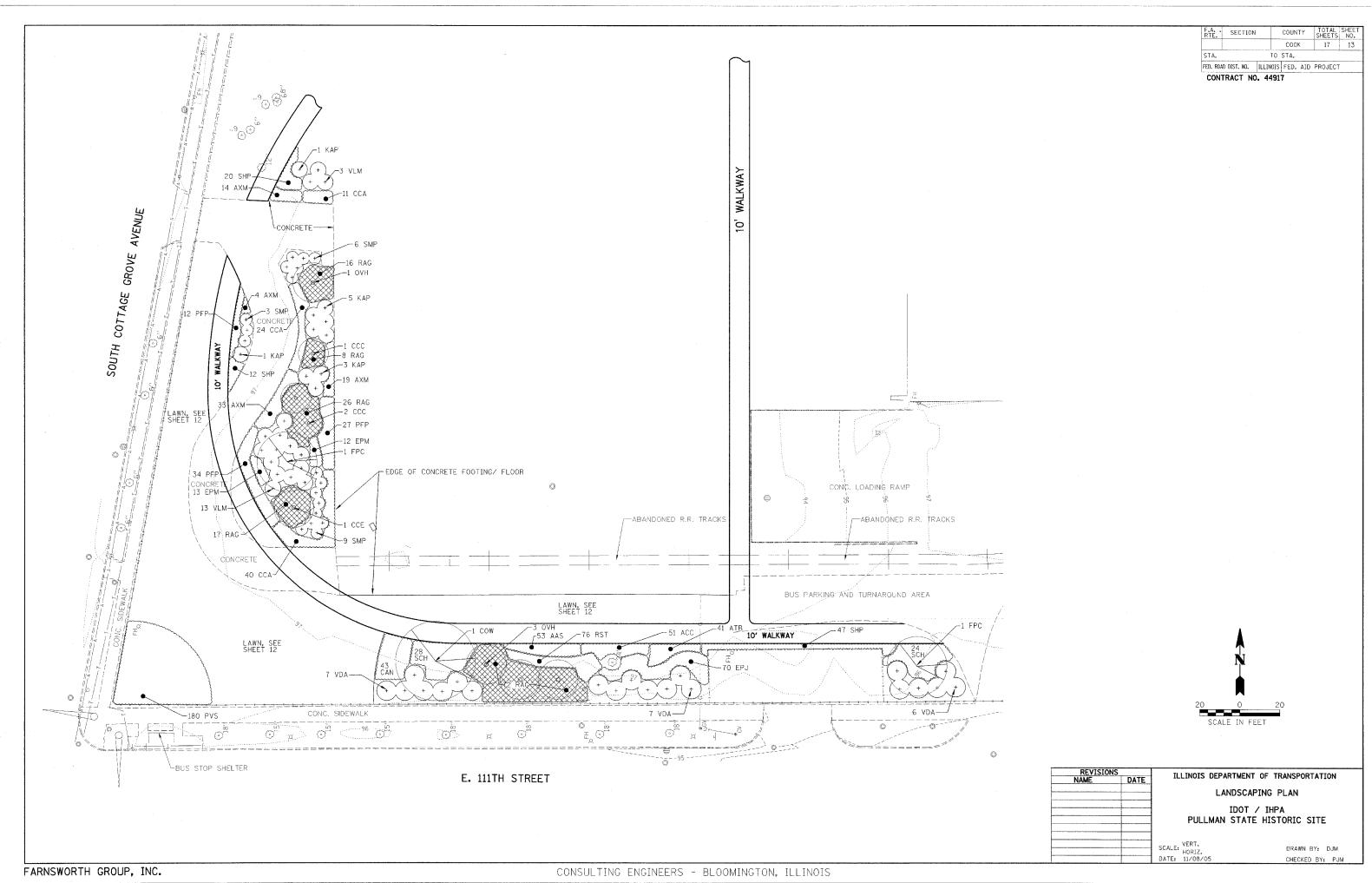
PULLMAN STATE HISTORIC SITE

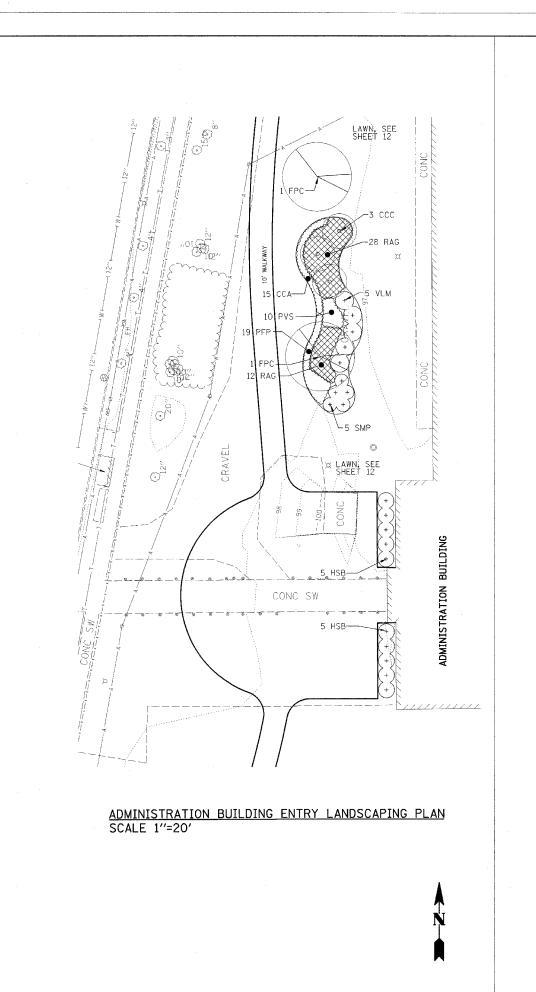
CONTRACT NO. 44917

-3"± BITUMINOUS CONCRETE SURFACE COURSE

9"± PORTLAND CEMENT CONCRETE BASE COURSE







COOK FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT CONTRACT NO. 44917

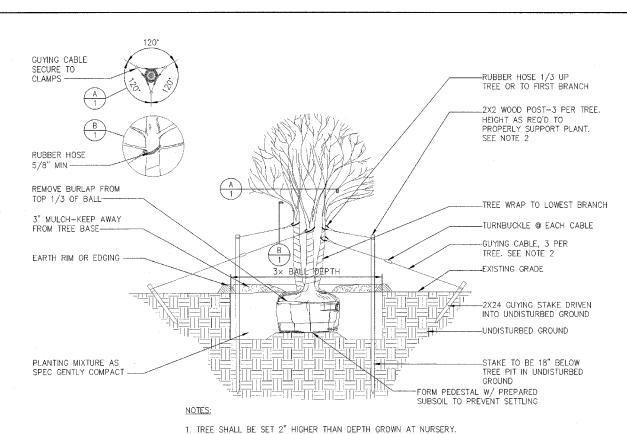
LAWN, SEE SHEET 12 Ø LAWN, SEE SHEET 12 NORTH FACTORY DESIGNATED AREA

NORTH FACTORY LANDSCAPING PLAN SCALE 1"=10"

Г	REVISIONS						
l	NAME	DATE	IL	LINOIS DEP	ARTMENT OF TR	ANSPORTATIO	N
				LA	NDSCAPING PL	_ANS	
				PULLMAN	IDOT / IHPA I STATE HIST		
			SCALE:	VERT. HORIZ. 11/08/05		DRAWN BY: D.	

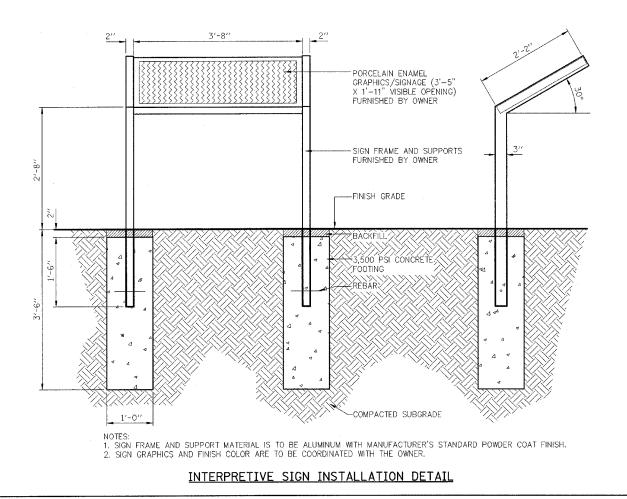
FARNSWORTH GROUP, INC.

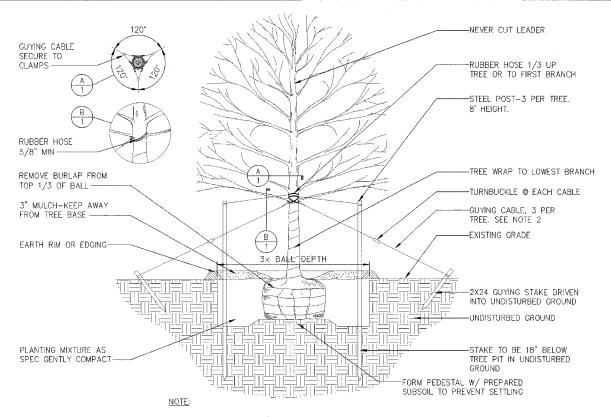
CONSULTING ENGINEERS - BLOOMINGTON, ILLINOIS



- 2. STAKE TREES UNDER 8' TALL. GUY TREES 8' TALL AND OVER.

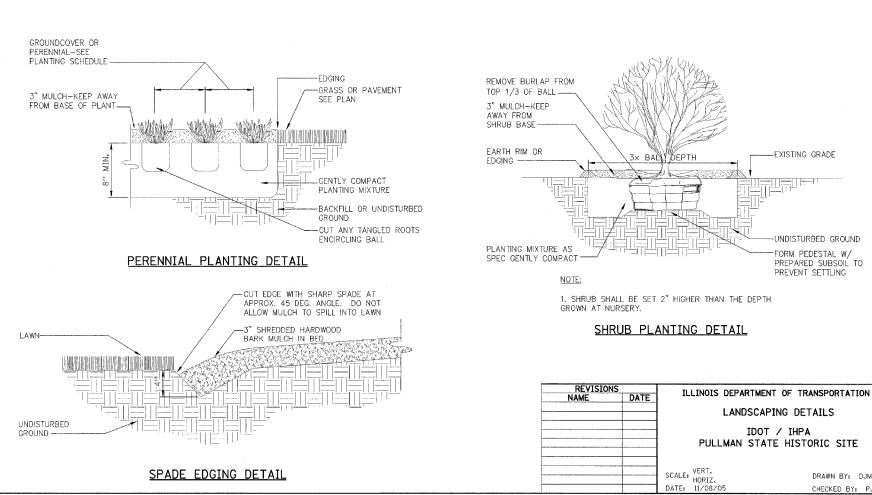
#### MULTISTEM TREE PLANTING DETAIL





- 1. TREE SHALL BE SET 2" HIGHER THAN DEPTH GROWN AT NURSERY.
- 2. STAKE TREES UNDER 2" CALIPER OR LESS. GUY TREES OVER 2" CALIPER.

### TREE PLANTING DETAIL



DRAWN BY: DJM

CHECKED BY: PJM

COUNTY COOK

TO STA

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

CONTRACT NO. 44917

STA.

17

GENERAL LOW-MIX GRASS M	IX (IDOT CLASS 1-SPECIAL)	LBS 1000/
SCIENTIFIC NAME	COMMON NAME	SQ. FT.
FESTUCA RUBRA 'CHEWINGS'	SR5100 CHEWINGS FESCUE	1.5
FESTUCA OVINA	SHEEPS FESCUE	1.5
FESTUCA LONGIFOLIA 'SR3100'	SR3100 HARD FESCUE	0.5
FESTUCA LONGIFOLIA 'SCALDIS'	SCALDIS HARD FESCUE	0.5
FESTUCA RUBRA	CREEPING RED FESCUE	0.5
FESTUCA RUBRA 'DAWSON'	DAWSON RED FESCUE	0.5
A CONTRACTOR OF THE CONTRACTOR	TOTAL	5.0

SCIENTIFIC NAME	COMMON NAME	OZ/AC	MATURE HEIGHT
NATIVE GRASSES:			
ANDROPOGAN SCOPARIUS	LITTLE BLUESTEM	48	2'-3'
BOUTELOUA CURTIPENDULA	SIDE OATS GRAMMA	48	2'-3'
ELYMUS CANADENSIS	CANADIAN WILD RYE	16	2'-5'
KOELERIA CRISTATA	JUNE GRASS	8	2'
SPOROBOLUS HETEROLEPSIS	PRAIRIE DROPSEED	8	20'-3'
	NATIVE GRASS TOTAL	128	(8 LBS)
NATIVE FORBS:			
AMORPHA CANESCENS	LEAD PLANT	2	1′-3′
ASCLEPIAS TUBEROSA	BUTTERFLY WEED	3	2'-3'
ASTER AZUREUS	SKY BLUE ASTER	2	1'-3'
ASTER ERICOIDES	HEATH ASTER	2	1′-3′
BAPTISIA AUSTRALIS	BLUE WILD INDIAGO	3	2′-5′
COREOPSIS LANCEOLATA	SAND TICKSEED	2	1'-2'
ECHINACEA PALLIDA	PALE PURPLE CONEFLOWER	6	2'-5'
HELIANTHUS MOLLIS	DOWNY SUNFLOWER	2	2'-4'
LESPEDEZA CAPITATA	ROUND-HEADED BUSH CLOVER	2	2'-4'
LIATRIS ASPERA	ROUGH BLAZING STAR	4	1′-3′
LUPINUS PERENNIS	WILD LUPINE	3	1'-2'
MONARDA FISTULOSA	PRAIRIE BERGAMOT	1	2'-4'
PENSTERMON HIRSUTUS	HAIRY BEARDTOUNGUE	1	2'-4'
PETALOSTEMUM PURPUREUM	PURPLE PRAIRIE CLOVER	2	1′-3′
RUDBECKIA HIRTA	BLACK-EYED SUSAN	6	1'-3'
SOLIDAGO NEMORALIS	GRAY GOLDENROD	1.5	1′-3′
SOLIDAGO RIGIDA	STIFF GOLDENROD	1	1′-5′
SOLIDAGO SPECIOSA	SHOWY GOLDENROD	1.5	1'-3'
VERBENA STRICTA	HOARY VERAIN	1	3′
VIOLA PEDATA LINEARILOBA	BIRD'S FOOT VIOLET	1	1′-2′
ZIZIA APTERA	MEADOW PARSNIP	1	1'-2'
	NATIVE FORB TOTAL:	48	(3 LBS)
TEMPORARY GRASSES:			
AVENA SATIVA	SEED OATS	384	(24 LBS
LOLIUM MULTIFLORUM	ANNUAL RYE	80	(5 LBS)

TALL WATERWAY	' GRASS MIX (IDOT CLASS 4-SPECIAL)		MATURE
SCIENTIFIC NAME	COMMON NAME	OZ/AC	HEIGHT
ANDROPOGAN GERARDII	BIG BLUESTREAM	32	4'-8'
BROMUS PUBESCENS	WOODLAND BROME	8	2'-4'
CAREX BICKNELLII	COPPER-SHOULDERED OVAL SEDGE	8	1′-3′
ELYMUS CANADENSIS	CANDIAN WILD RYE	16	2'-5'
ELYMUS VIRGINICUS	VIRGINIA WILD RYE	32	2'-4'
HYSTRIX PATULA	BOTTLEBRUSH GRASS	16	3′-5′
PANICUM VIRGATURN	SWITCH GRASS	16	3′~5′
SORGHASTRUM NUTANS	INDIAN GRASS	32	3′-6′
	NATIVE GRASS TOTAL	160	(10 LBS)
TEMPORARY GRASSES	·		
AVENA SATIVA	SEED OATS	384	(24 LBS)
LOLIUM MULTIFLORUM	ANNUAL RYE	80	(5 LBS)

	PLANT SCHEDULE						
QTY.	SYMBOL	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING		
53	AAS	ASTER AZUREUS	SKY BLUE ASTER	1 GAL.	2'		
51	ACC	AQUILEGIA CANADENSIS	AMERICAN COLUMBINE	1 GAL.	2′		
41	ATB	ASCLESPIAS TUBEROSA	BUTTERFLY WEED	1 GAL.	2′		
70	AXM	ACHILLIEA X 'MOONSHINE'	MOONSHINE YARROW	1 GAL.	2.5′		
43	CAN	CEANOTHUS AMERICANUS	NEW JERSEY TEA	3 GAL.	3′		
77	CCA	CARYOPTERIS X CLANDONENSIS 'ARTHUR SIMMONDS'	ARTHUR SIMMONDS BLUEBEARD	1 GAL.	3′		
7	ccc	CRATAEGUS CRUS-GALLI VAR. INERMIS 'CRUSADER'	CRUSADER THORNLESS COCKSPUR HAWTHORN	2" B.B.			
1	CCE	CELTIS OCCIOENTAILS 'WINDY CITY'	WINDY CITY HACKBERRY	2½" B.B.			
1	COW	CERCIS CANADENSIS	EASTERN REDBUD	8' B.B.			
70	EPJ .	EUPATORIUM PURPUREUM	PURPLE JOE PYE WEED	1 GAL.	2.5′		
25	EPM	ECHINACEA PURPUREA 'MAGNUS'	MAGNUS PURPLE CONEFLOWER	1 GAL.	2.5′		
4	FPC	FRANXINUS PENNSYLVANIA 'CIMMZAM'	CIMMARON ASH	21/2" B.B.			
10	HSB	HIBISCUS SRIACUS 'BLUE BIRD'	BLUE BIRD ROSE OF SHARON	30" B.B.			
11	KAP	KOLKWITZIA AMABILIS ' PINK CLOUD'	PINK CLOUD BEAUTYBUSH	24" B.B.			
5	OVH	OSTRYA VIRGINIANA	IRONWOOD	2" B.B.			
100	PFP	POTENTILLA FRUITICOSA 'PINK BEAUTY'	PINK BEAUTY BUSH CINQUEFOIL	2 GAL.	3′		
190	PVS	PANICUM VIRGATUM 'SHENANDOAH'	SHENANDOAH SWITCH GRASS	1 GAL.	3′		
201	RAG	RHUS AROMATICA 'GRO-LOW'	GRO-LOW SUMAC	3 GAL.	4'		
76	RST	RUDBECKIA SUBTOMENTOSA	SWEET BLACK-EYED SUSAN	1 GAL.	2′		
52	SCH	SYMPHOROCARPUS X CHENALTII ' HANCOCK'	HANCOCK CORALBERRY	3 GAL.	4'		
79	SHP	SYRINGA MEYERI ' PALIBIN'	DWARF KOREAN LILAC	24" B.B.			
23	SMP	SPOROBOLUS HETEROLEPIS	PRAIRIE DROPSEED	1 GAL.	2.5′		
20	VDA	VIBURNUM DENTATUM	ARROWWOOD VIBURNUM	24" B.B.			
21	VLM	VIBURNUM LANTANA 'MOHICAN'	MOHICAN WAYFARINGTREE VIBURNUM	36" B.B.			

F.A RTE.	SECTION		COUN	TY	TOTAL	SHEET NO.
			C00	K	17	16
STA.		1	O STA.			
FED. ROAD	DIST. NO.	ILLIN	DIS FED.	AID	PROJECT	

NATIVE PLANT SOURCE LIST				
COUNTRY ROAD GREENHOUSES INC. 19561 E. TWOMBLY ROCHELLE, IL 61068-9697 (815) 384-3311 FAX: (815) 384-5015 WWW.PRAIRIEPLUGS.COM	LAFAYETTE HOME NURSERY R.R. *1 BOX A LAFAYETTE, IL 61449 (309) 995-3311 FAX: (309) 995-3909	PRAIRIE NURSERY P.O. BOX 306 WESTFIELD, WI 53964 (800) 476-2741 FAX: (608) 296-2741 WWW.PRAIRIENURSERY.COM		
GENESIS NURSERY 23200 HURD RD. TAMPICO, IL 61283 (815) 438-2220 FAX: (815) 438-2222	MURN ENVIRONMENTAL, INC. 2707 E. PHILHOWER RD. BELOIT, WI 53511 (608) 362-6449 FAX: (608) 362-6455 WWW.MURN.COM	SPENCE RESTORATION NURSERY P.O. BOX 546 2220 E. FUNSON RD. MUNCIE, IN 47308 (765) 286-7154 FAX: (765) 286-0264		
JFNEW NATIVE PLANT NURSERY 128 SUNSET DR. WALKERTON, IN 46574 (574) 586-2412 FAX: (574) 586-2718 WWW.JFNEWNURSURY.COM	POSSIBILTY PLACE NURSERY 7458 W. MONEE-MANHATTEN RD. MONEE, IL 60449 (708) 534-3988 FAX: (708) 534-6272 WWW.POSSIBILITYPLACE.COM	TAYLOR CREEK RESTORATION NURSERIES 17921 SMITH RD. BRODHEAD, WI 53520 (608) 897-8641 FAX: (608) 897-8486		
J & J TRANZPLANT AQUATIC NURSERY, LLC P.O. BOX 227 WILD ROSE, WI 54984-0227 FOR ORDERS: 1-800-622-5055 (715) 256-0059 FAX: (715) 256-0039 WWW.TRANZPLANT.COM	PRAIRIE RIDGE NURSERY R.R.2 9378 OVERLAND RD. MT. HOREB, WI 53572-2832 (608) 437-5245	THE NATURAL GARDEN 38W443 HIGHWAY 64 ST. CHARLES, IL 60175 (630) 584-0150 X224 FAX: (630) 584-0185 WWW.THENATURALGARDENINC.COM		

REVISIONS		THE THOUS DEPARTMENT	OF TRANSPORTATION
NAME	DATE	ILLINOIS DEPARTMENT	OF TRANSFORTATION
		LANDSCAP	ING NOTES
			/ IHPA E HISTORIC SITE
		SCALE: VERT. HORIZ. DATE: 11/08/05	DRAWN BY: DJM

#### GENERAL NOTES

- 1. PLANT SUBSTITUTIONS WILL NOT BE ACCEPTABLE UNLESS APPROVED BY THE LANDSCAPE ARCHITECT.
- 2 THE CONTRACTOR SHALL FAMILIARIZE HIM OR HERSELF WITH THE SCOPE OF WORK, SOIL, LOCATION OF UTILITIES. AND WATER CONDITIONS BEFORE PROCEEDING WITH THE WORK.
- 3. THE CONTRACTOR SHALL FIELD CHECK AND VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DESCREPANCIES BETWEEN CONSTRUCTION DOCUMENTS AND ACTUAL FIELD CONDITIONS TO THE OWNER'S REPRESENTIVE BEFORE PROCEEDING WITH WORK.
- 4. ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSIDERED TO APPLY TO SIMILAR CONDITIONS ELSEWHERE.
- 5. PLANT SPACING WILL BE SCALED ON PLAN UNLESS NOTED OTHERWISE.
- 6. SPREAD PRE-EMERGENCE HERBICIDE AND THREE INCHES OF SHREDDED HARDWOOD MULCH IN ALL PLANTING BEDS.
- 7. IN ALL LAWN AREAS AND PLANTING BEDS (SEE SHEETS 12.13. 14 AND 15) REMOVE ALL MATERIAL HARMFUL TO IN ALL LAWN MACED AND FLANTING DEDO NOTE SMEETS 12,13, 14 AND 15) REMOVE ALL MATERIAL HARMFUL T PLANT GROWTH INCLUDING BRUSH, DEBRIS, WEEDS, AND STONES OVER 1" DIAMETER. SPREAD 4" OF TOPSOIL AND FINISH GRADE TO DRAIN.
- 8. FORM PLANTING MIX FOR ALL PLANT BEDS BY SPREADING TWO INCHES OF COMPOST (pH OF 5.5 TO 7) AND THOROUGHLY ROTOTILLING INTO TOP EIGHT INCHES OF TOPSOIL. FOR TREE PITS MIX COMPOST INTO PIT EXCAVATIONS AT A 1:3 RATIO BEFORE BACKFILLING, IF EXCAVATIONS ARE DEEMED TO BE UNSTABLE BY THE ENGINEER, THE BACKFILL SHALL CONSIST OF TOPSOIL APPROVED BY THE ENGINEER.
- 9. FINISH GRADES IN PLANTING BEDS ARE TO BE SMOOTH AND PROVIDE POSITIVE DRAINAGE PRIOR TO PLANT AND MULCH INSTALLATION.
- 10. CONTRACTOR IS TO PREVENT DAMAGE TO CURBS AND PAVEMENTS ADJACENT TO CONSTRUCTION.
- 11. MAINTAIN PLANTINGS AND BEDS BY SPRAYING, WATERING, WEEDING, RESTORING PLANT STAKES, AND GUY SUPPORTS AS REQUIRED TO ESTABLISH HEALTHY PLANTS FOR 60 DAYS FROM SUBSTANTIAL COMPLETION.
- 12. PROVIDE A ONE YEAR WARRANTY ON ALL PLANTS. WARRANTY INCLUDES REPLACING ANY PLANT WHICH IS 25% OR MORE DEAD, DISEASED, OR DISFIGURED ONCE DURING THE WARRANTY PERIOD.
- 13. PROVIDE QUALITY, GENUS, SIZE, SPECIES, AND VARITY OF PLANTS COMPLYING WITH THE APPLICABLE REQUIREMENTS OF ANSI Z60.1, "AMERICAN STANDARD FOR NURSURY STOCK".
- 14. ALL PLANT BEDS ABUTTING LAWN AREAS ARE TO BE SEPARATED BY SPADE EDGING AS DETAILED ON SHEET 15.
- 15. IF THERE ARE DISCREPANCIES BETWEEN PLANT QUANTITIES ON THE PLANS AND THE PLANT SCHEDULE, USE
- 16. ALL PLANT MATERIAL SHALL BE GROWN FROM A SOURCE WITHIN A 150 MILE RADIUS OF THE SITE. FOR A LIST OF NATIVE PLANT SOURCES, SEE THE SOURCE LIST ON SHEET 16.

#### LAWN PLANTING SPECIFICATIONS

#### QUALITY ASSURANCE:

- TOPSOIL ANALYSIS: FURNISH SOIL ANALYSIS OF EXISTING ON-SITE IMPORTED TOPSOIL BY A QUALIFIED SOIL-TESTING LABORATORY STATING PERCENTAGES OF ORGANIC MATTER; GRADATION OF SAND, SILT, AND CLAY CONTENT; CATION EXCHANGE CAPACITY; SODIUM ABSORPTION RATIO; DELETERIOUS MATERIAL; PH; AND MINERAL AND PLANT-NUTRIENT CONTENT OF TOPSOIL.
- 2. INSTALLER QUALIFICATIONS: A QUALIFIED LANDSCAPE INSTALLER WHOSE WORK HAS RESULTED IN SUCCESSFUL LAWN AND NATIVE PRAIRIE ESTABLISHMENT.
- 3. INSTALLER'S FIELD SUPERVISION: REQUIRE INSTALLER TO MAINTAIN AN EXPERIENCED FULL TIME SUPERVISOR.
  A. MAINTENANCE PROXIMITY: NO MORE THAN TWO HOURS NORMAL TRAVEL TIME FROM THE CONTRACTOR'S PLACE OF BUSINESS TO THE PROJECT SITE.
  - B. WEATHER LIMITATIONS: PROCEED WITH PLANTING ONLY WHEN EXISITNG AND FORECASTED WEATHER
  - C.INITIAL LAWN AND NATIVE PRAIRIE MAINTENANCE SERVICE: PROVIDE FULL MAINTENANCE BY SKILLED EMPLOYEES OF LANDSCAPE INSTALLER, MAINTAIN AS REQUIRED BELOW, BEGIN MAINTENANCE IMMEDIATELY AFTER EACH AREA IS PLANTED AND CONTINUE UNTIL ACCEPTABLE MEADOW IS ESTABLISHED, BUT FOR NOT LESS THAN 60 DAYS FROM DATE OF SUBSTANTIAL COMPLETION.
  - D. WHEN INITIAL MAINTENANCE PERIOD HAS NOT ELASPED BEFORE END OF PLANTING SEASON, OR IF LAWN IS NOT FULLY ESTABLISHED, CONTINUE MAINTENANCE DURING NEXT PLANTING SEASON.
- 4. SUBMITTALS:

  A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED.

  B. CERTIFACTION OF GRASS SEED: FROM SEED VENDOR FOR EACH GRASS-SEED MONOSTAND OR MIXTURE STATING THE BOTANICAL AND COMMON NAME AND PERCENTAGE BY WEIGHT OF EACH SPECIES AND VARIETY, AND PERCENTAGE OF PURITY, GERMINATION, AND WEED SEED. INCLUDE THE YEAR OF PRODUCTION AND DATE OF PACKAGING.
- PRODUCTION AND DATE OF PACKAGING.

  C. QUALIFICATION DATA: FOR LANDSCAPE CONTRACTOR.

  D. MATERIAL TEST REPORTS: FOR EXISTING AND IMPORTED TOPSOIL.

  E. PLANTING SCHEDULE: INDICATING ANTICIPATED PLANTING DATES FOR EACH TYPE OF PLANTING.

  F. MAINTENANCE INSTRUCTIONS: RECOMMENDED PROCEDURES TO BE ESTABLISHED BY OWNER FOR MAINTENANCE OF LAWNS AND NATIVE PRAIRIE DURING A CALENDER YEAR. SUBMIT BEFORE EXPIRATION OF REQUIRED INITIAL MAINTENANCE PERIODS.

  5. SEED: DELIVER SEED IN ORGINAL SEALED, LABELED, AND UNDAMAGED CONTAINERS.

  SEED SHALL BE GROWN FROM A SOURCE WITHIN 150 MILE RADIUS OF THE SITE. SEE SHEET 16 FOR NATIVE SEED SOURCES.

#### SITE PREPARATION:

1. SELECTIVE HERBICIDES: EPA REGISTERED AND APPROVED, NON-PERSISTENT WITH GLYSPHOSATE, RECOMMENDED FOR APPLICATION A. APPLICATION TIME: APRIL TO MAY OR AUGUST TO MID-SEPTEMBER.

- 2. TOPSOIL: MEETS GUIDLINES SET FORTH IN THE "CALUMET DESIGN GUIDELINES", FEBRUARY, 2004 PAGE 68 INCLUDING, BUT NOT LIMITED TO: PH RANGE OF 5.5 TO 7, 3 TO 10 PERCENT ORGANIC MATERIAL CONTENT; FREE OF STONES 1 INCH OF LARGER IN ANY DIMENSION AND OTHER EXTRANEOUS MATERIALS HARMFUL TO PLANT GROWTH INCLUDING WEED SEEDS.
  - A. IMPORTED TOPSOIL STOCKPILED ON-SITE IS TO BE COVERED TO PREVENT EROSION AND CONTAMINATION

#### EXECUTION:

- 1. EXAMINE AREAS TO RECEIVE LAWNS AND PLANT BEDS FOR COMPLIANCE WITH REQUIREMENTS AND OTHER CONDITIONS AFFECTING PERFORMANCE.
- 2. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.
- 3. PROTECT STRUCTURES, UTILITIES, SIDEWALK, PAVEMENTS, AND OTHER FACILITIES, TREES, SHRUBS, AND PLANTINGS FROM DAMAGE CAUSED BY PLANTING OPERATIONS.
- 4. MOW EXISTING VEGETATION AS REQUIRED. APPLY SELECTIVE HERBICIDE PER MANUFACTURER'S RECOMMENDATIONS TO AREAS TO RECEIVE LAWN AND PLANT BEDS. DO NOT APPLY HERBICIDE WHEN WIND CONDITIONS COULD RESULT IN DAMAGE TO VEGETATION OUTSIDE AREAS TO BE PLANTED.
- 5. SIX WEEKS FOLLOWING THE INITIAL APPLICATION, APPLY A SECOND APPLICATION AS REQUIRED. OBTAIN ENGINEER'S APPROVAL OF WEED-CONTROL PRIOR TO CONTINUING SITE PREPARATION OPERATIONS.
- 6. REMOVE EXISTING VEGETATION, WOODY PLANTS, STUMPS, TURF AND ROCKS OVER TWO INCHES IN DIAMETER IN AREAS TO RECEIVE LAWN AND PLANT BEDS.
- 7. PROMPTLY REMOVE DEBRIS CREATED BY SITE PREPARTION AND LEGALLY DISPOSE OF OFF-SITE.
- 8. LOOSEN SUBGRADE TO A DEPTH OF THREE INCHES, SPREAD IMPORTED TOPSOIL TO A DEPTH OF FOUR INCHES.
  A. DO NOT SPREAD IF TOPSOIL OR SUBGRADE IS FROZEN, MUDDY, OR EXCESSIVELY WET.
- 9. FINISH GRADING: GRADE PLANTING AREAS TO A SMOOTH, UNIFORM SURFACE PLANE WITH LOOSE, UNIFORMLY FINE TEXTURE. GRADE TO WITHIN PLUS OR MINUS ½ INCH OF FINISH ELEVATION. ROLL AND RAKE, REMOVE RIDGES, AND FILL DEPRESSIONS TO MEET FINISH GRADES. LIMIT FINISH GRADING TO AREAS THAT CAN BE PLANTED IN THE

A. BEFORE PLANTING, RESTORE AREAS IF ERODED OR OTHERWISE DISTURBED AFTER FINISH GRADING.

## NATIVE PRAIRIE AND LOW-MOW GRASS PLANTING:

- 1. SEED MIXES: SEE TABLES ON SHEET 16 & 17 FOR SPECIES AND RATES OF SEED MIXES.
  A. NATIVE PRAIRIE PLANTING TIME: MAY 1 TO JUNE 15 OR OCTOBER 1 TO SOIL FREEZE.
  B. LOW-MOW GRASS PLANTING TIME: APRIL 1 TO MAY 15 OR AUGUST 15 TO SEPTEMBER 30.
- 2. STRAW MULCH: PROVIDE AIR-DRY, CLEAN, MILDEW- AND SEED-FREE, SALT HAY OR THRESHED STRAW OF WHEAT,

- 1. SOW SEED USING BROADCAST SPREADER AT RATES INDICATED IN DRAWINGS.
  A. DO NOT USE BROADCAST OR DROP SEED WHEN WIND EXCEEDS 5 MPH.
  B. AS REQUIRED, USE AGITATOR AND CARRYING AGENTS APPROVED FOR NATIVE PRIAIRIE APPLICATIONS TO
- 2. COVER SEEDS WITH SOIL BY HARROWING OR RAKING AND LIGHTLY COMPACT WITH ROLLER. DO NOT COVER SEED MORE THAN 1/4" DEEP.
- 3. BREAK STRAW MULCH INTO SMALL PIECES AND SPREAD AT 2 TONS/ ACRE TO A DEPTH NOT EXCEEDING ONE INCH.

#### NATIVE PRAIRIE AND LOW-MOW GRASS PLANTING:

- MAINTAIN AND ESTABLISH LAWN BY WATERING, WEEDING, REPLANTING, AND OTHER OPERATIONS. REGRADE, AND REPLANT BARE OR ERODED AREAS AND REMULCH.
- 2. WATERING: PROVIDE AND MAINTAIN TEMPORARY PIPING, HOSES, AND LAWN-WATERING EQUIPMENT TO CONVEY
- WATERING: PROVIDE AND MAINTAIN TEMPORARY PIPING, HOSES, AND LAWN-WATERING EQUIPMENT TO CONVEY WATER FROM SOURCES AND TO KEEP MEADOW UNIFORMLY MOIST.

  A. SCHEDULE WATERING TO PREVENT WILLTING, PUDDLING, EROSION, AND DISPLACEMENT OF SEED OR MULCH. LAY OUT TEMPORARY WATERING SYSTEM TO AVOID WALKING OVER MUDDY OR NEWLY PLANTED AREAS.

  B. FOR SIX WEEKS WATER GRASS DAILY, IN THE EARLY MORNING, WITH FINE SPRAY FOR 15 TO 30 MINUTES UNTIL SOIL IS VERY DAMP, AFTER SIX WEEKS, WATERING CAN BE REDUCED TO EVERY 2 TO 5 DAYS DEPENDING ON WEATHER CONDITIONS UNTIL THE END OF THE MAINTENANCE PERIOD.

  C. CHEMICAL WEED CONTROL MAY BE PROVIDED WITH TRADITIONAL LAWN HERBICIDES PER THE MANUFACTURER'S RECOMMENDATIONS. CHEMICAL WEED CONTROL SHALL ONLT BE PROVIDED FOR SPOT CONTROL. SPRING PLANTING MAY REQUIRE MORE WEED CONTROL THAN FALL.

  D. SATISFACTORY SEEDED LAWN: AT END OF MAINTENANCE PERIOD, A HEALTHY, UNIFORM, CLOSE STAND OF GRASS HAS BEEN ESTABLISHED, FREE OF WEEDS AND SUFFACE IRREGULARITIES, WITH COVERAGE EXCEEDING 90 PERCENT OVER 10 SQ. FT. AND BARE SPOTS NOT EXCEEDING 5 BY 5 INCHES.

  E. USE SPECIFIED MATERIALS TO REESTABLISH LAWNS THAT DO NOT COMPLY WITH REQUIREMENTS AND CONTINUE MAINTENANCE UNTIL LAWNS ARE SATISFACTORY.

  F. IF SOWING THE NATIVE PRIAIRE IN THE FALL, INITIAL WATERING SCHEDULE MAY BE REDUCED AS

  - F. IF SOWING THE NATIVE PRIAIRE IN THE FALL, INITIAL WATERING SCHEDULE MAY BE REDUCED AS WEATHER CONDITIONS PERMIT.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATIO	
NAME	DATE	TELINOIS DEFANTMENT OF TRANSFORTATION	
		LANDSCAPING NOTES	
7,000		IDOT / IHPA PULLMAN STATE HISTORIC SITE	
		FULLMAN STATE HISTORIC SITE	
		CALE: VERT. DRAWN BY: DJA	

TOTAL SHEE SHEETS NO.

17

COUNTY

COOK

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

SECTION

CONTRACT NO. 44917