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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS**

**PLANS FOR PROPOSED  
FEDERAL AID HIGHWAY**

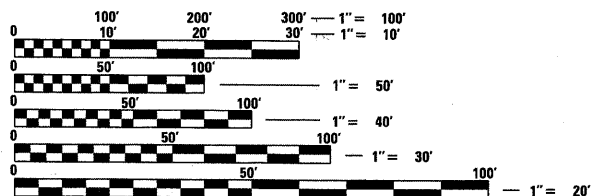
**FAU 1344 (WEST BARTLETT ROAD)  
EAST OF IL ROUTE 59 TO WESTERN AVENUE  
STREETScape IMPROVEMENTS SECTION NO. 10-00085-00-LT  
PROJECT NO. TE-00D1(833)  
VILLAGE OF BARTLETT  
COOK COUNTY  
C-91-778-10**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1344	10-00085-00-LT	COOK	30	1
		ILLINOIS	CONTRACT NO. 63512	

**ROADWAY CLASSIFICATION**  
WEST BARTLETT ROAD - MINOR URBAN ARTERIAL

**TRAFFIC DATA**  
2006 - 11,000 ADT  
2030 - 16,000 ADT

**SPEED**  
POSTED - 35 / 40 / 45 MPH



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.

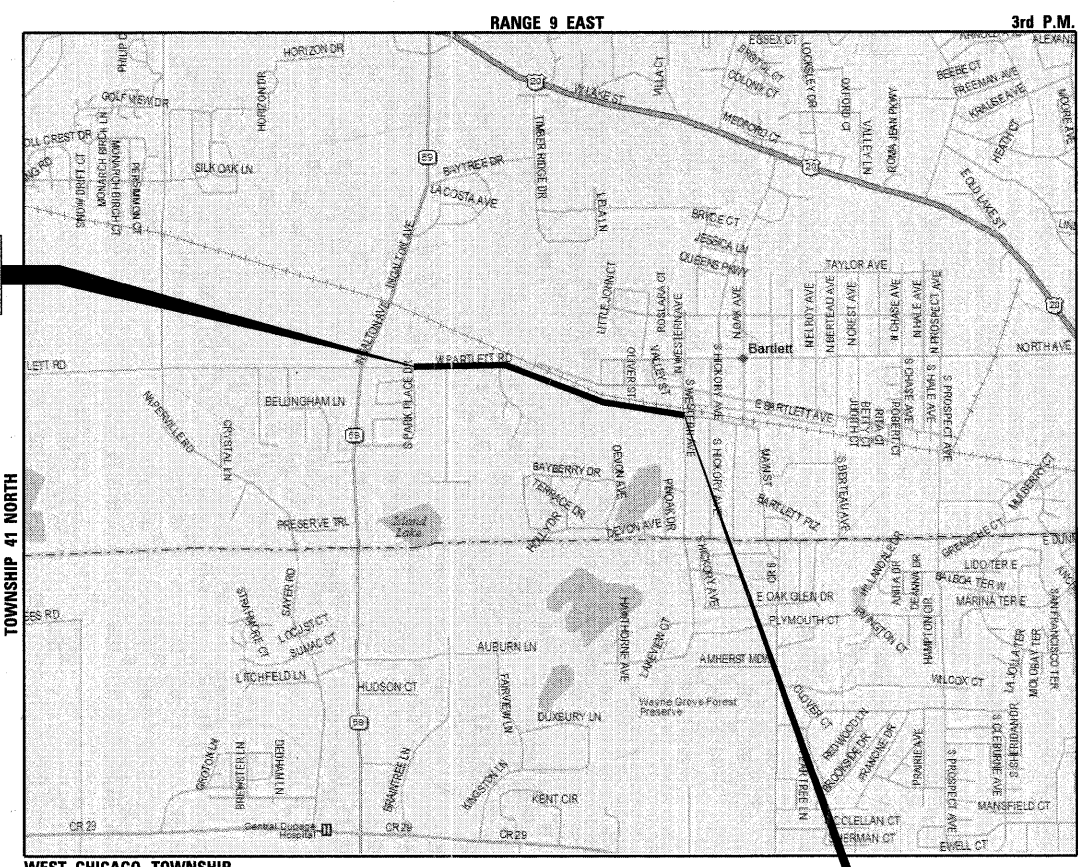
**J.U.L.I.E.**  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811

**PROJECT ENGINEER: HEIDI E. VOIROL, P.E., LEED AP**  
**PROJECT MANAGER: MICHAEL J. RECHTORIK, P.E.**

**CONTRACT NO. 63512**



PROJECT BEGINS  
STATION 106+30.00  
EAST OF IL ROUTE 59



**LOCATION MAP**  
N.T.S.

PROJECT ENDS  
STATION 150+92.34  
WESTERN AVE.

GROSS LENGTH = 4462 FEET (0.845 MILES)  
NET LENGTH = 4462 FEET (0.845 MILES)

**STATE OF ILLINOIS DEPARTMENT OF  
TRANSPORTATION DIVISION OF HIGHWAYS**

APPROVED January 6, 2011  
*Paul J. [Signature]*  
VILLAGE ENGINEER, VILLAGE OF BARTLETT

PASSED January 13, 2011  
*[Signature]*  
DISTRICT ONE DIRECTOR OF LOCAL ROADS & STREETS

RELEASED FOR BID BASED  
ON LIMITED REVIEW JANUARY 14, 2011  
*Diana M. O'Keefe*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ONE ENGINEER

**PROFESSIONAL ENGINEER'S SIGN AND SEAL**

*[Signature]*  
**MICHAEL J. RECHTORIK, P.E.**  
EXPIRES: 11-30-11

**PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS**

PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLER, P.E. 847-705-4406, SCHUMBERG, I.L.

# LIST OF IDOT STANDARDS

000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS  
 701502-04 URBAN LANE CLOSURE 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE  
 701901-01 TRAFFIC CONTROL DEVICES  
 814001-02 HANDHOLES

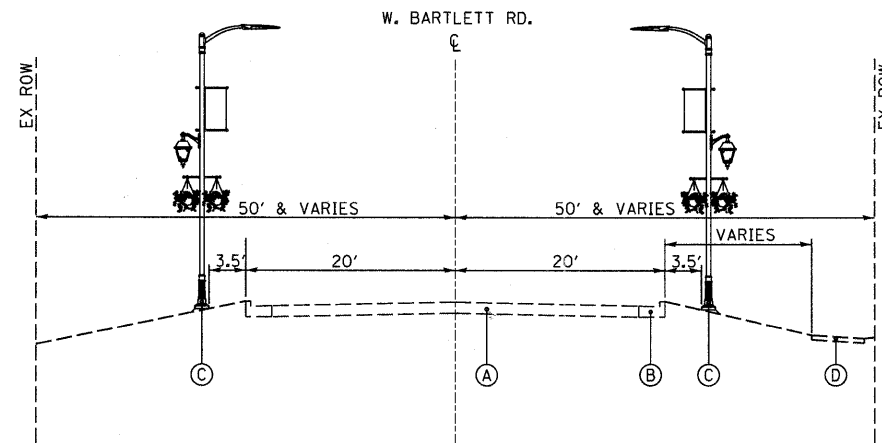
## GENERAL NOTES:

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2007; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED JANUARY 1, 2011; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (MUTCD); THE DETAILS IN THE PLANS; AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENT.
- ALL REFERENCES TO "ENGINEER" SHALL BE INTERPRETED TO MEAN THE RESIDENT ENGINEER.
- PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AFFECTING THE WORK WITH THE ACTUAL CONDITIONS AT THE JOB SITE. IF THERE ARE DISCREPANCIES FROM WHAT IS SHOWN ON THE CONSTRUCTION PLANS, HE/SHE MUST REPORT SAME TO THE ENGINEER BEFORE DOING WORK. IN THE EVENT OF DISAGREEMENT BETWEEN THE CONSTRUCTION PLANS, STANDARD SPECIFICATION AND / OR SPECIAL DETAILS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTION FROM THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK AFFECTED BY OMISSION OR DISCREPANCIES. FAILING TO SECURE SUCH INSTRUCTION, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS/HER OWN RISK AND EXPENSE. IF DOUBT OR QUESTIONS ARISE WITH RESPECT TO THE TRUE MEANING OF THE CONSTRUCTION PLANS OR SPECIFICATIONS, THE DECISION OF THE ENGINEER SHALL BE FINAL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF FINISHED GRADE. THE RESIDENT ENGINEER MAY ASSIST THE CONTRACTOR, AS APPLICABLE, BUT THE RESPONSIBILITY FOR COORDINATING THE FINISHED GRADE ELEVATION WITH THE TOP OF THE FOUNDATION HEIGHTS AND THE LIGHT SHALL REMAIN WITH THE CONTRACTOR.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BASED ON A FIELD INSPECTION PRIOR TO BIDDING ON THE PROJECT.
- BEFORE STARTING EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE: (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATIONS) AND THE VILLAGE OF BARTLETT PUBLIC WORKS FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION IS REQUIRED). CONTRACTOR TO VERIFY LOCATION OF ALL UNDERGROUND UTILITIES BEFORE TRENCHING OR AUGERING.
- NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENTS ARE MET TO THE SATISFACTION OF THE ENGINEER.
- THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS, PROPERTY CORNERS, AND REFERENCE MARKERS UNTIL THE OWNERS, HIS AGENT, OR AND AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER, ACCESS TO ALL EXISTING DRIVES SHALL BE MAINTAINED AT ALL TIMES BY THE CONTRACTOR.
- ALL WORK SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE AND ANY APPLICABLE LOCAL CODES.
- BEFORE INSTALLING STANDARDS NEAR OVERHEAD FACILITIES CALL COMED FOR APPROVAL OF LOCATION. CONTACT KATHY NYSTROM, GENERAL SERVICE REPRESENTATIVE AT 847-608-2331.
- THE CONTRACTOR SHALL STAKE THE LOCATIONS OF ALL LIGHT POLE FOUNDATIONS FOR REVIEW BY THE VILLAGE, ENGINEER, AND COMED. IF CONFLICTS EXIST WITH UNDERGROUND AND/OR OVERHEAD UTILITIES, THE POLE LOCATIONS MAY BE SHIFTED TO AVOID UTILITY CONFLICTS. THE FINAL DECISION WILL BE MADE BY THE VILLAGE.
- CONDUIT MUST BE POSITIONED IN THE FIELD TO AVOID CONFLICTS WITH TREES, BUSHES, DRAINS AND OTHER UTILITIES AND LANDSCAPING.
- ALL CONDUIT SHALL BE PUSHED UNDER ROADWAYS, DRIVEWAYS, SIDEWALKS AND BIKEPATHS UNLESS NOTED ON PLANS OR DIRECTED BY THE ENGINEER.
- ANY TREE TRIMMING REQUIRED AS DIRECTED BY THE ENGINEER SHALL BE PERFORMED BY THE CONTRACTOR, AND THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE LIGHT POLE ITEMS.

# SUMMARY OF QUANTITIES

PAY ITEM NUMBER	DESCRIPTION	UNITS	TOTAL QUANTITY	CONSTRUCTION TYPE CODE		
				ROADWAY 80% FEDERAL 20% LOCAL 0031	ROADWAY 50% FEDERAL 50% LOCAL 0021	ROADWAY 0% FEDERAL 100% LOCAL 0021
* 20101700	SUPPLEMENTAL WATERING	UNIT	143	143	-	-
* 25000210	SEEDING, CLASS 2A	ACRE	0.9	0.9	-	-
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	9	9	-	-
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	9	9	-	-
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	9	9	-	-
* 25100630	EROSION CONTROL BLANKET	SQ YD	4341	4341	-	-
67100100	MOBILIZATION	LSUM	1	1	-	-
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	LSUM	1	1	-	-
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1	-	1	-
80400200	ELECTRIC UTILITY SERVICE CONNECTION	LSUM	1	-	1	-
81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	40	-	40	-
81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	984	-	984	-
81400100	HANDHOLE	EACH	2	-	2	-
81603025	UNIT DUCT, 600V, 2-1C NO.4, 1/C NO.4 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	500	-	500	-
81603035	UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	540	-	540	-
81603100	UNIT DUCT, 600V, 4-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	2433	-	2433	-
81603105	UNIT DUCT, 600V, 4-1C NO.4, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	5193	-	5193	-
81702150	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	80	-	80	-
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	7453	-	7453	-
X8360120	LIGHT POLE FOUNDATION, SPECIAL	EACH	35	-	35	-
84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	1	-	1	-
84200804	REMOVAL OF POLE FOUNDATION	EACH	1	-	1	-
* A2000320	TREE, ACER MIYABEI MORTON (STATE STREET MIYABE MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	8	8	-	-
* A20006520	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	8	8	-	-
* A2007120	TREE, QUERCUS RUBRA (RED OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	18	18	-	-
* B2000770	TREE, AMELANCHIER X GRANDIFLORA AUTUMN BRILLIANCE (AUTUMN BRILLIANCE SERVICE BERRY), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	39	39	-	-
* B2001116	TREE, CERCIS CANADENSIS (EASTERN REDBUD), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	11	11	-	-
* B2001620	TREE, CRATAEGUS CRUSGALLI INERMIS (THORN LESS COCKSPUR HAWTHORN), 2-1/2" CALIPER TREE FORM, BALLED AND BURLAPPED	EACH	18	18	-	-
* B2006316	TREE, SYRINGA RETICULATA IVORY SILK (IVORY SILK JAPANESE TREE LILAC), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	57	57	-	-
X8250500	LIGHTING UNIT COMPLETE, SPECIAL	EACH	35	-	35	-
X8250505	LIGHTING CONTROLLER, SPECIAL	EACH	1	-	1	-
Z0013798	CONSTRUCTION LAYOUT	LSUM	1	1	-	-
* XX004533	SOIL PLANTING MIXTURE	CU YD	2.3	2.3	-	-
* XX008104	POLE MOUNTED PLANTER BASKET	EACH	70	-	-	70
XX008195	EXPLORATION EXCAVATION (UTILITY)	FOOT	700	700	-	-
* XX008491	SEASONAL ANNUALS	UNIT	9.92	-	-	9.92
* B2007068	TREE, MALUS PURPLE PRINCE (PURPLE PRINCE CRABAPPLE), 2-1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	25	25	-	-
* B2013470	TREE, MALUS GOLDEN RAINDROPS (GOLDEN RAINDROPS CRABAPPLE), 2-1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	34	34	-	-
* B2004772	TREE, MALUS ROYAL RAINDROPS (ROYAL RAINDROPS CRABAPPLE), 2-1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	16	16	-	-

\* SPECIALTY ITEMS

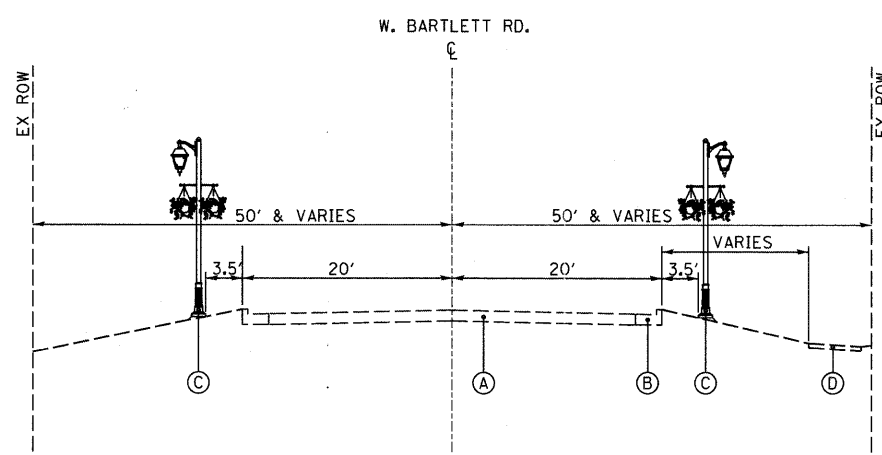


**PROPOSED TYPICAL SECTION**

STA. 106+30 TO STA. 145+30 (LOOKING EAST), W. BARTLETT ROAD

**LEGEND**

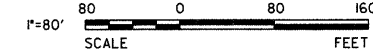
- (A) EXISTING PAVEMENT
- (B) EXISTING CONCRETE CURB AND GUTTER (TYPE VARIES)
- (C) PROPOSED LIGHT POLE
- (D) EXISTING SIDEWALK / BIKE PATH



**PROPOSED TYPICAL SECTION**

STA. 145+30 TO STA. 150+30 (LOOKING EAST), W. BARTLETT ROAD

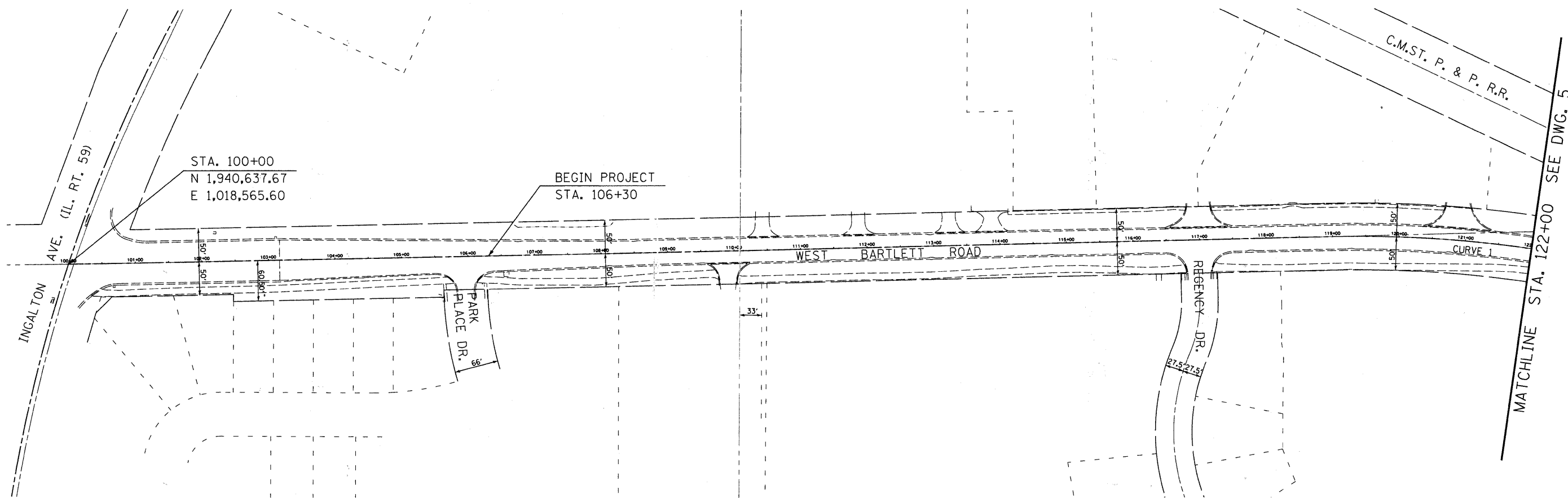
 V3 Companies 7328 James Avenue Woodridge, IL 60517 630.724.9200 phone 630.724.9202 fax www.v3co.com	USER NAME = #USER#	DESIGNED - HEV	REVISED -	<b>WEST BARTLETT ROAD STREETSCAPE</b>	<b>TYPICAL SECTIONS</b>		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLLOT SCALE = #SCALE#	DRAWN - DRP	REVISED -				10-00068-00-LT	COOK	30	3	
PLLOT DATE = 1/5/2011	CHECKED - MJR	REVISED -	SCALE: NONE		SHEET NO. 1 OF 1 SHEETS	CONTRACT NO. 63512		ILLINOIS FED. AID PROJECT			
	DATE - 12-22-10	REVISED -									



**BASIS OF BEARINGS**

EAST-WEST CENTERLINE OF SECTION 34-41-9  
HAVING GRID BEARING OF S 88° 43' 03" W

**CURVE 1**  
 PI = 123+35.70 R = 1,868.56  
 PC = 118+91.17 T = 444.53'  
 PT = 127+64.00 L = 872.83'  
 Δ = 26° 45' 49"  
 D = 03° 03' 58.7"

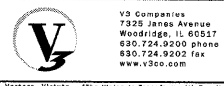


STA. 100+00  
 N 1,940,637.67  
 E 1,018,565.60

BEGIN PROJECT  
 STA. 106+30

**BENCHMARK**

SOURCE: NATIONAL GEODETIC SURVEY BENCHMARKS		SITE:	
STATION DESIGNATION: DK3211	ESTABLISHED BY: PATRICK ENGINEERING	DATE: AUGUST, 2006	
ELEVATION: 794.44 (PUBLISHED AND HELD)	DATUM: NAVD88	DESCRIPTION: BRASS DISK ON THE SOUTH SIDE OF A CONCRETE TRAFFIC SIGNAL POST BASE AT THE NORTHEAST CORNER OF THE INTERSECTION OF BARTLETT ROAD AND ILLINOIS ROUTE 59.	
STATION DESIGNATION: DK3213	ESTABLISHED BY: PATRICK ENGINEERING	DATE: AUGUST 2006	
ELEVATION: 799.75 (PUBLISHED)	DATUM: NAVD88	DESCRIPTION: BRASS DISK ON THE NORTH END OF A CONCRETE RETAINING WALL ALONG THE WEST SIDE OF THE BUSINESS ACCESS ROAD. THE STATION IS LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF STEARNS ROAD AND SAYER ROAD TO THE NORTH AND A BUSINESS ACCESS ROAD TO THE SOUTH.	
STATION DESIGNATION: SBM#1 (V3 CP 101)	ESTABLISHED BY: V3 COMPANIES	DATE: 11-06-2008	
ELEVATION: 798.054 (MEASURED)	DATUM: NAVD88	DESCRIPTION: FOUND CUT CROSS ON CURB SOUTH SIDE OF WEST BARTLETT ROAD WEST OF IL. RTE. 59.	
STATION DESIGNATION: SBM#2 (V3 CP 111)	ESTABLISHED BY: V3 COMPANIES	DATE: 11-06-2008	
ELEVATION: 806.108 (MEASURED)	DATUM: NAVD88	DESCRIPTION: SET CUT CROSS ON CONCRETE WALK AT SOUTHEAST CORNER OF WEST BARTLETT ROAD AND WESTERN AVENUE.	



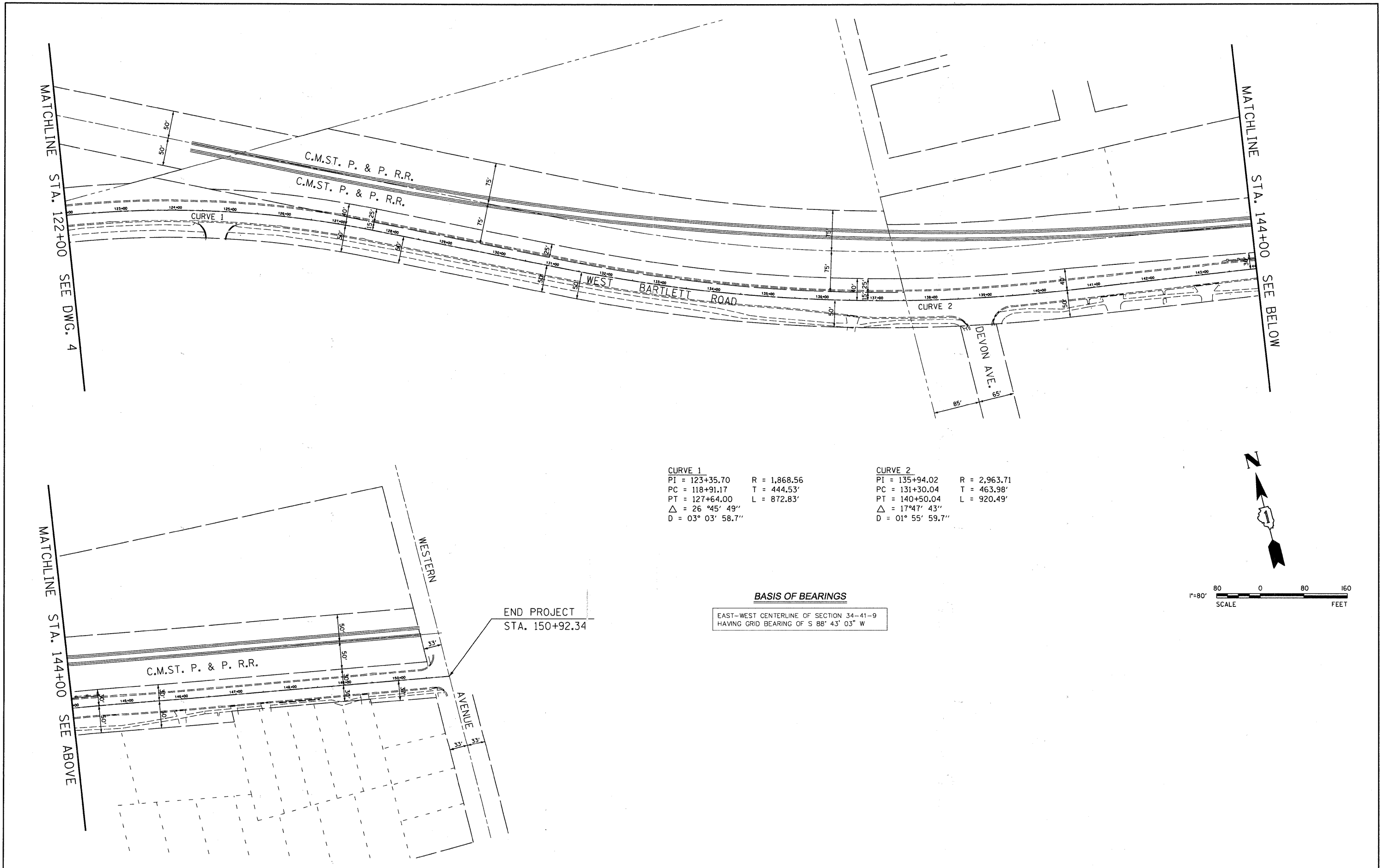
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	DATE - 12-22-10	REVISED -

**WEST BARTLETT ROAD  
STREETSCAPE**

**ALIGNMENT AND TIES PLAN**

SCALE: 1" = 80' SHEET NO. 1 OF 2 SHEETS STA. 100+00 TO STA. 122+00

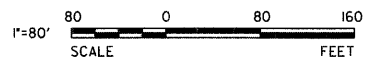
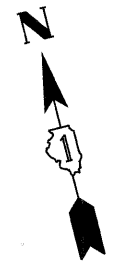
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1344	10-00085-00-LT	COOK	30	4
CONTRACT NO. 63512			ILLINOIS FED. AID PROJECT	



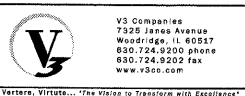
<b>CURVE 1</b>		<b>CURVE 2</b>	
PI = 123+35.70	R = 1,868.56	PI = 135+94.02	R = 2,963.71
PC = 118+91.17	T = 444.53'	PC = 131+30.04	T = 463.98'
PT = 127+64.00	L = 872.83'	PT = 140+50.04	L = 920.49'
$\Delta = 26^\circ 45' 49''$		$\Delta = 17^\circ 47' 43''$	
D = $03^\circ 03' 58.7''$		D = $01^\circ 55' 59.7''$	

**BASIS OF BEARINGS**

EAST-WEST CENTERLINE OF SECTION 34-41-9  
HAVING GRID BEARING OF S 88° 43' 03" W



END PROJECT  
STA. 150+92.34



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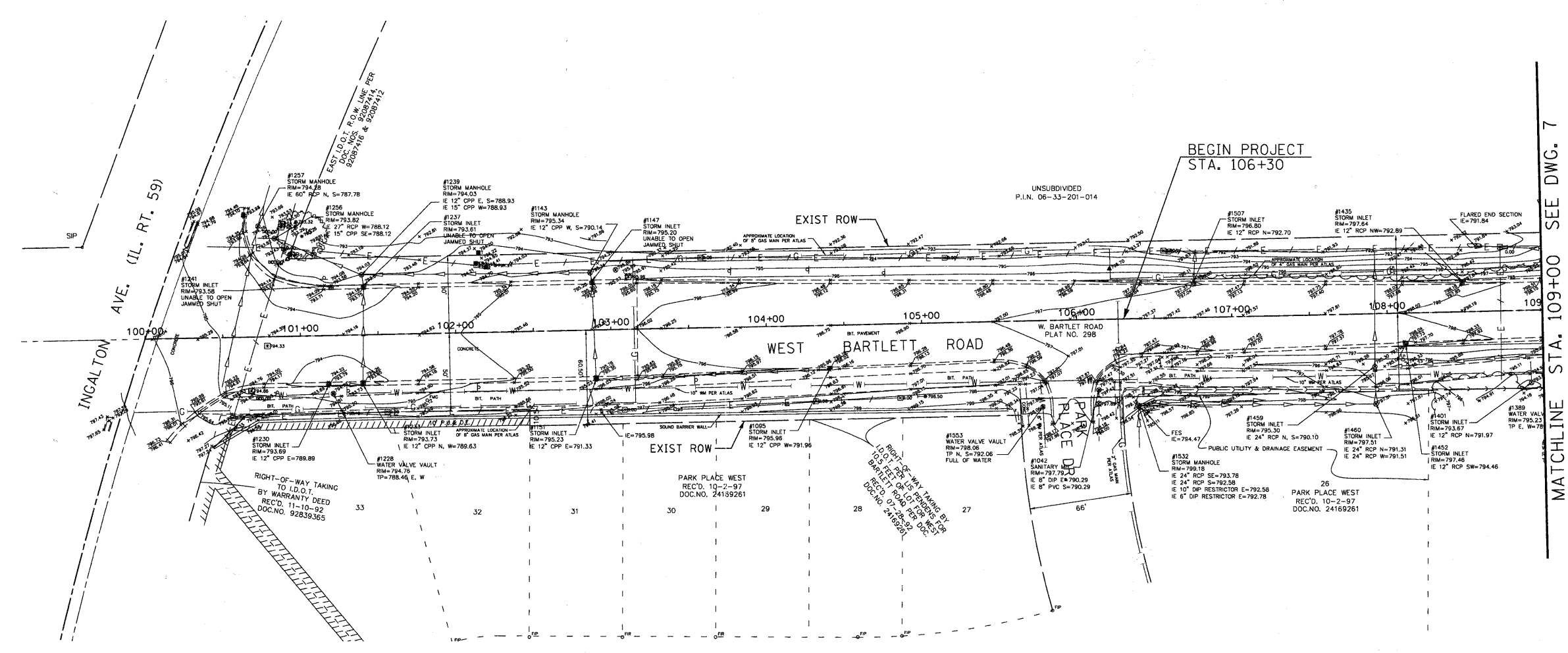
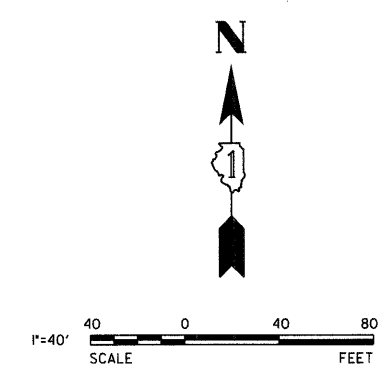
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DRAWN - DRP	REVISED -
CHECKED - MJR	REVISED -
DATE - 12-22-10	REVISED -

**WEST BARTLETT ROAD  
STREETSCAPE**

**ALIGNMENT AND TIES PLAN**

SCALE: 1" = 80' SHEET NO. 2 OF 2 SHEETS STA. 122+00 TO STA. 150+92

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1344	10-00085-00-LT	COOK	30	5
CONTRACT NO. 63512				
ILLINOIS FED. AID PROJECT				

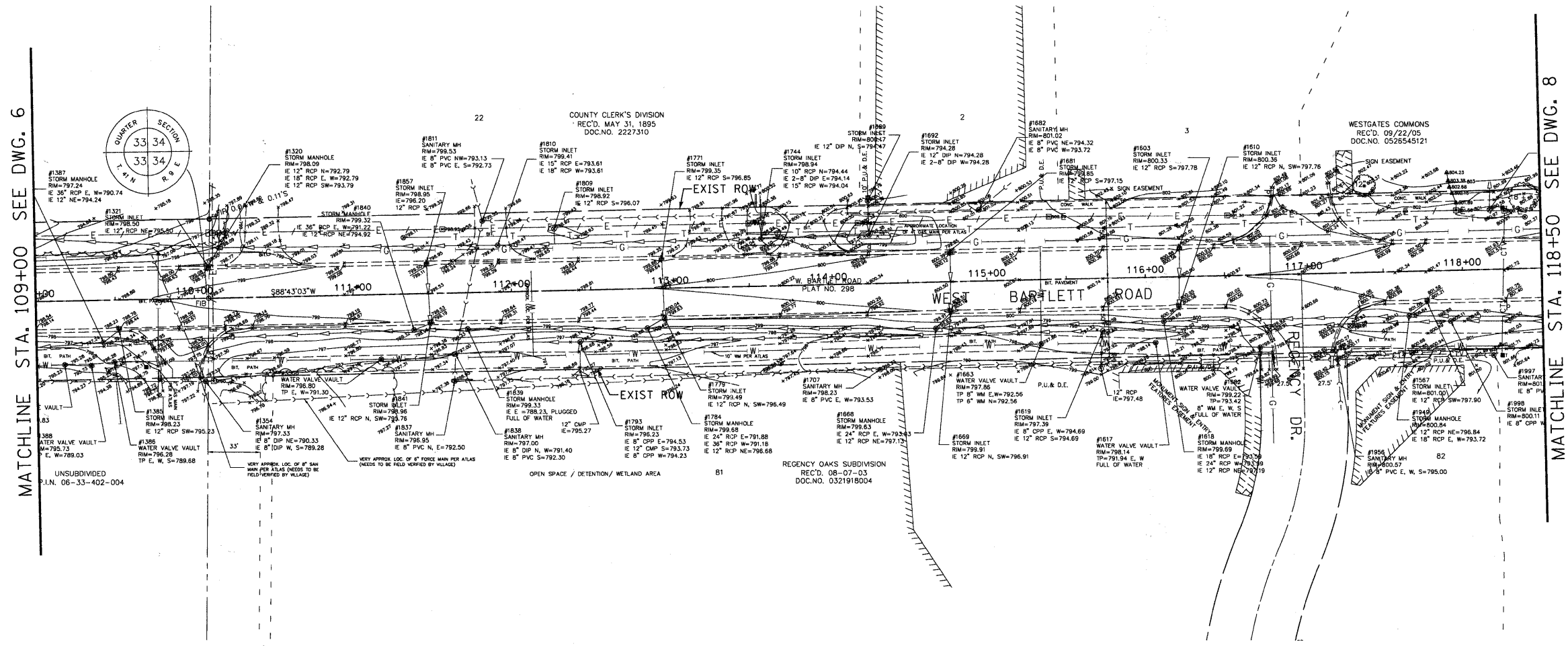
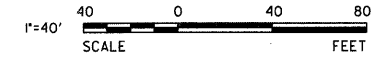


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DRAWN - DRP	REVISOR -	
CHECKED - MJR	REVISOR -	
DATE - 12-22-10	REVISOR -	

**WEST BARTLETT ROAD  
STREETSCAPE**

<b>EXISTING CONDITIONS</b>		
SCALE: 1" = 40'	SHEET NO. 1 OF 6 SHEETS	STA. 100+00 TO STA. 109+00

F.A.U. RTE. 1344	SECTION 10-00085-00-LT	COUNTY COOK	TOTAL SHEETS 30	SHEET NO. 6
CONTRACT NO. 63512			ILLINOIS FED. AID PROJECT	



MATCHLINE STA. 109+00 SEE DWG. 6

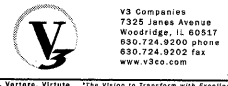
MATCHLINE STA. 118+50 SEE DWG. 8



COUNTY CLERK'S DIVISION  
REC'D. MAY 31, 1895  
DOC. NO. 2227310

WESTGATES COMMONS  
REC'D. 09/22/05  
DOC. NO. 0526545121

REGENCY OAKS SUBDIVISION  
REC'D. 06-07-03  
DOC. NO. 0321918004



V3 Companies  
7325 Jones Avenue  
Woodridge, IL 60517  
630.724.9200 phone  
630.724.9202 fax  
www.v3co.com

USER NAME = #USER#  
DESIGNED - HEV  
DRAWN - DRP  
CHECKED - MJR  
DATE - 12-22-10

REVISIONS  
REVISED -  
REVISED -  
REVISED -  
REVISED -

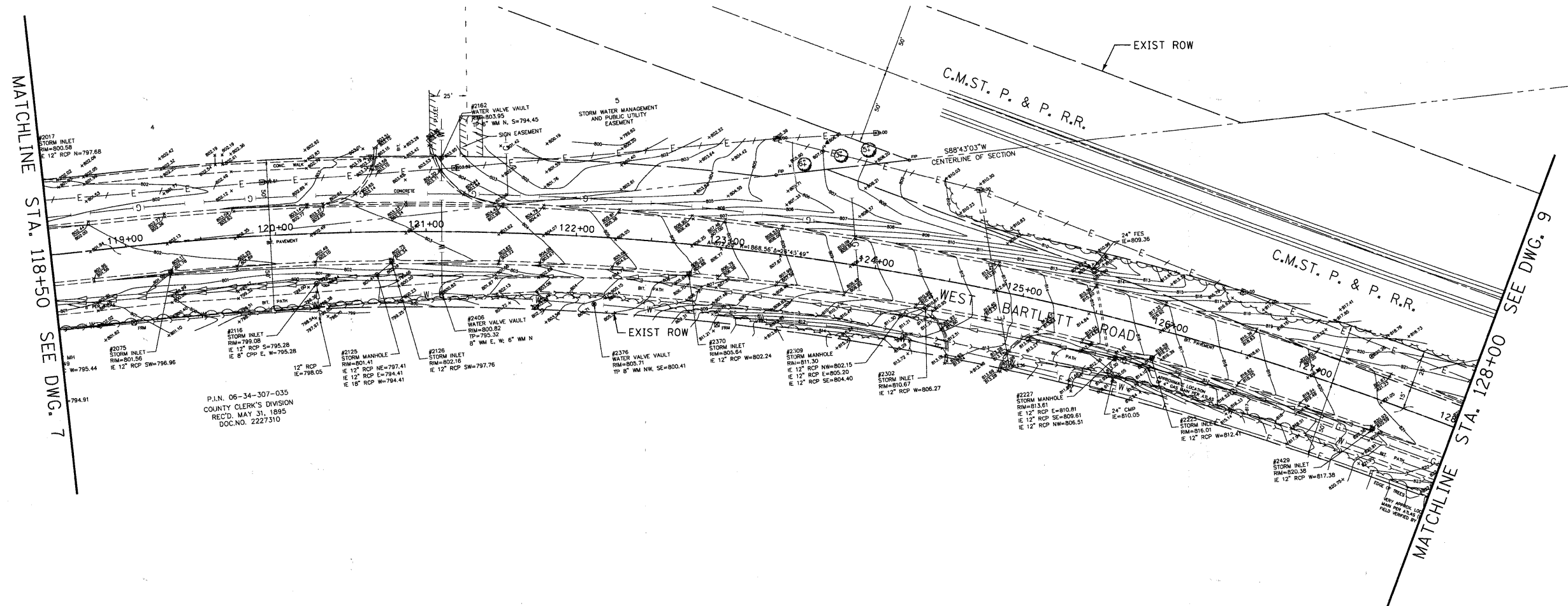
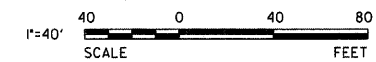
**WEST BARTLETT ROAD  
STREETSCAPE**

**EXISTING CONDITIONS**

SCALE: 1" = 40' SHEET NO. 2 OF 6 SHEETS STA. 109+00 TO STA. 118+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1344	10-00085-00-LT	COOK	30	7
CONTRACT NO. 63512				

ILLINOIS FED. AID PROJECT



P.I.N. 06-34-307-035  
 COUNTY CLERK'S DIVISION  
 REC'D. MAY 31, 1895  
 DOC. NO. 2227310



V3 Companies  
 2325 James Avenue  
 Woodridge, IL 60517  
 830.724.9200 phone  
 830.724.9202 fax  
 www.v3co.com

USER NAME = #USER#	DESIGNED - HEV	REVISED -
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED -
PLOT DATE = 1/7/2011	CHECKED - MJR	REVISED -
	DATE - 12-22-10	REVISED -

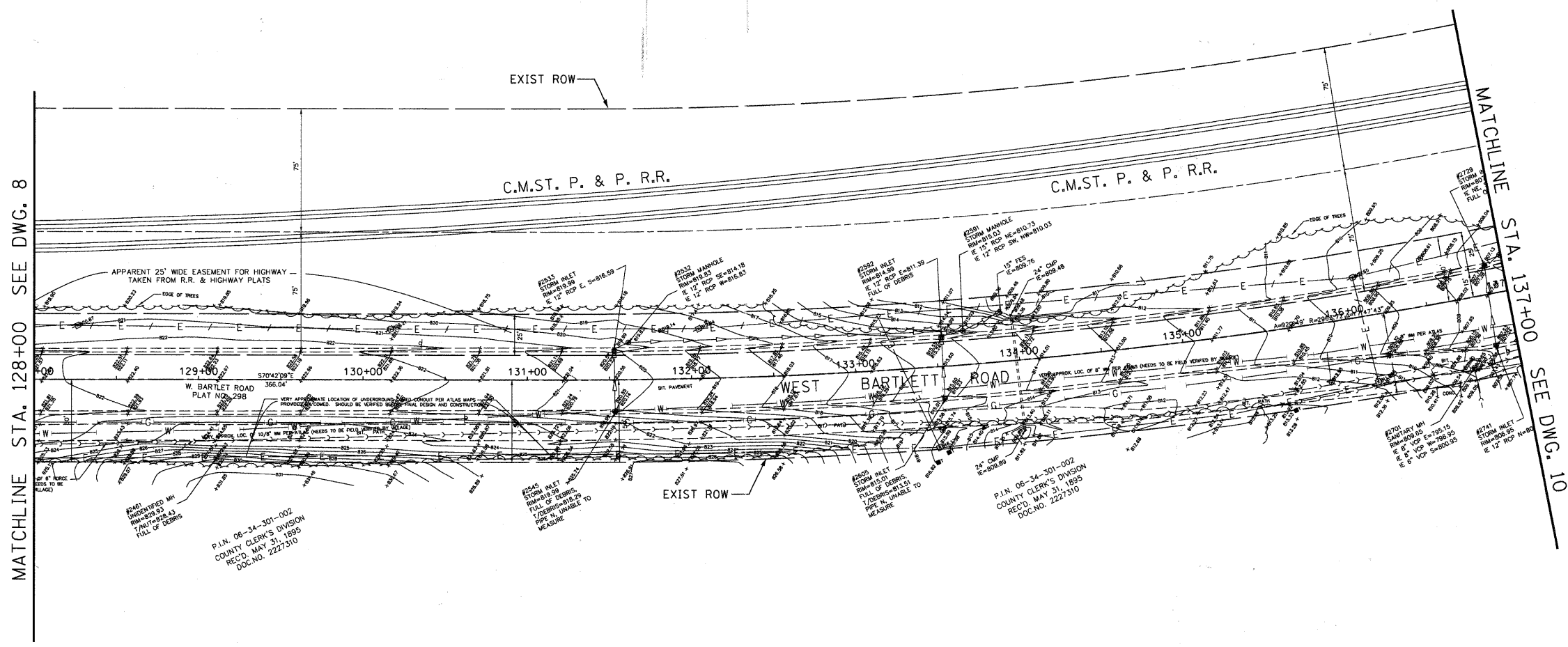
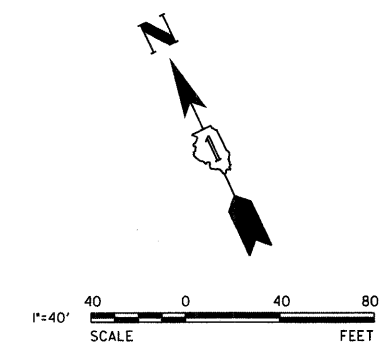
**WEST BARTLETT ROAD  
 STREETScape**

**EXISTING CONDITIONS**

SCALE: 1" = 40'    SHEET NO. 3 OF 6 SHEETS    STA. 118+50 TO STA. 128+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1344	10-00085-00-LT	COOK	30	8
CONTRACT NO. 63512			ILLINOIS FED. AID PROJECT	





MATCHLINE STA. 128+00 SEE DWG. 8

MATCHLINE STA. 137+00 SEE DWG. 10

P.I.N. 06-34-301-002  
COUNTY CLERK'S DIVISION  
REC'D. MAY 31, 1995  
DOC. NO. 2227310

P.I.N. 06-34-301-002  
COUNTY CLERK'S DIVISION  
REC'D. MAY 31, 1995  
DOC. NO. 2227310



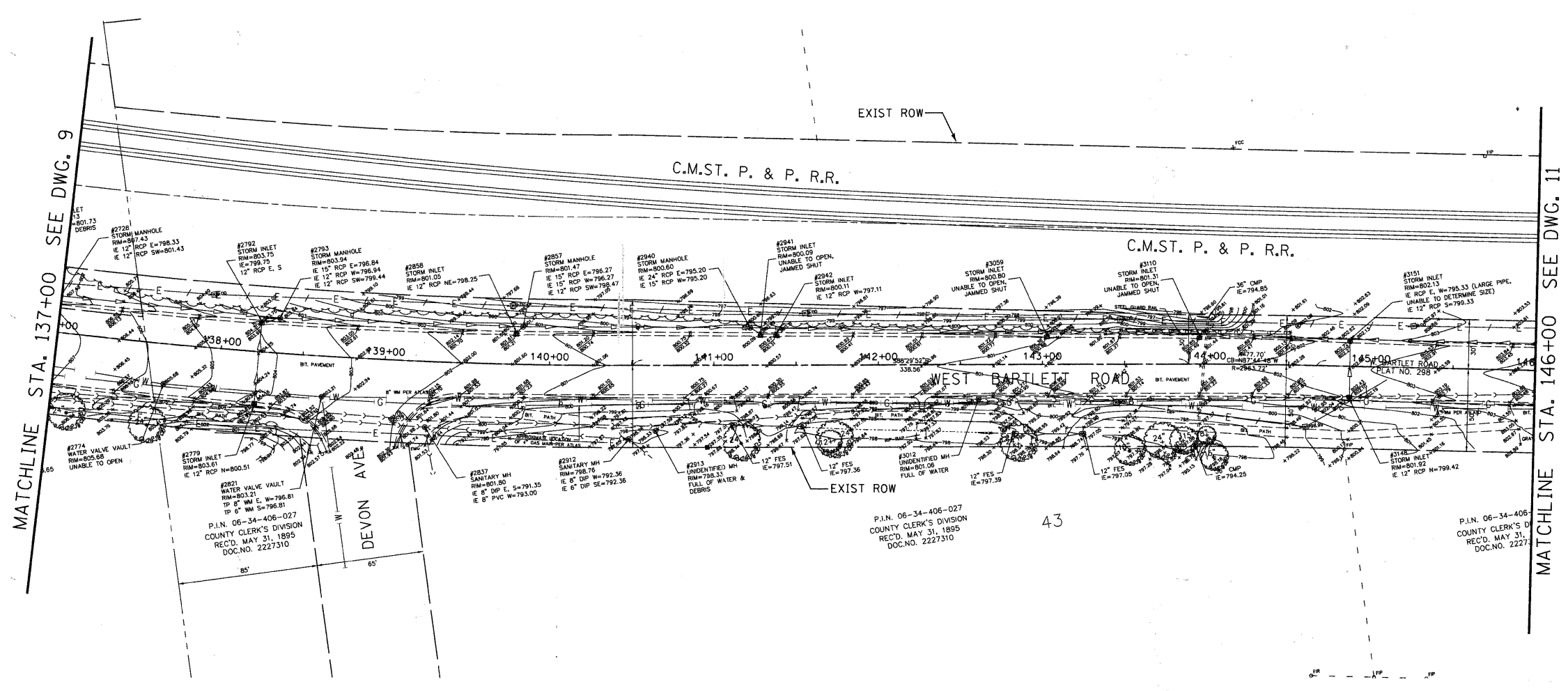
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	DATE - 12-22-10	REVISED -

**WEST BARTLETT ROAD  
STREETSCAPE**

**EXISTING CONDITIONS**

SCALE: 1" = 40' SHEET NO. 4 OF 6 SHEETS STA. 128+00 TO STA. 137+00

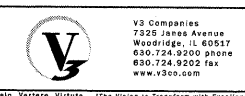
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1344	10-00085-00-LT	COOK	30	9
CONTRACT NO. 63512			ILLINOIS FED. AID PROJECT	



P.I.N. 06-34-406-027  
 COUNTY CLERK'S DIVISION  
 REC'D. MAY 31, 1895  
 DOC. NO. 2227310

P.I.N. 06-34-406-027  
 COUNTY CLERK'S DIVISION  
 REC'D. MAY 31, 1895  
 DOC. NO. 2227310

P.I.N. 06-34-406-027  
 COUNTY CLERK'S DIVISION  
 REC'D. MAY 31, 1895  
 DOC. NO. 2227310



V3 Companies  
 7325 Jones Avenue  
 Woodridge, IL 60517  
 630.724.9200 phone  
 630.724.9202 fax  
 www.v3cp.com

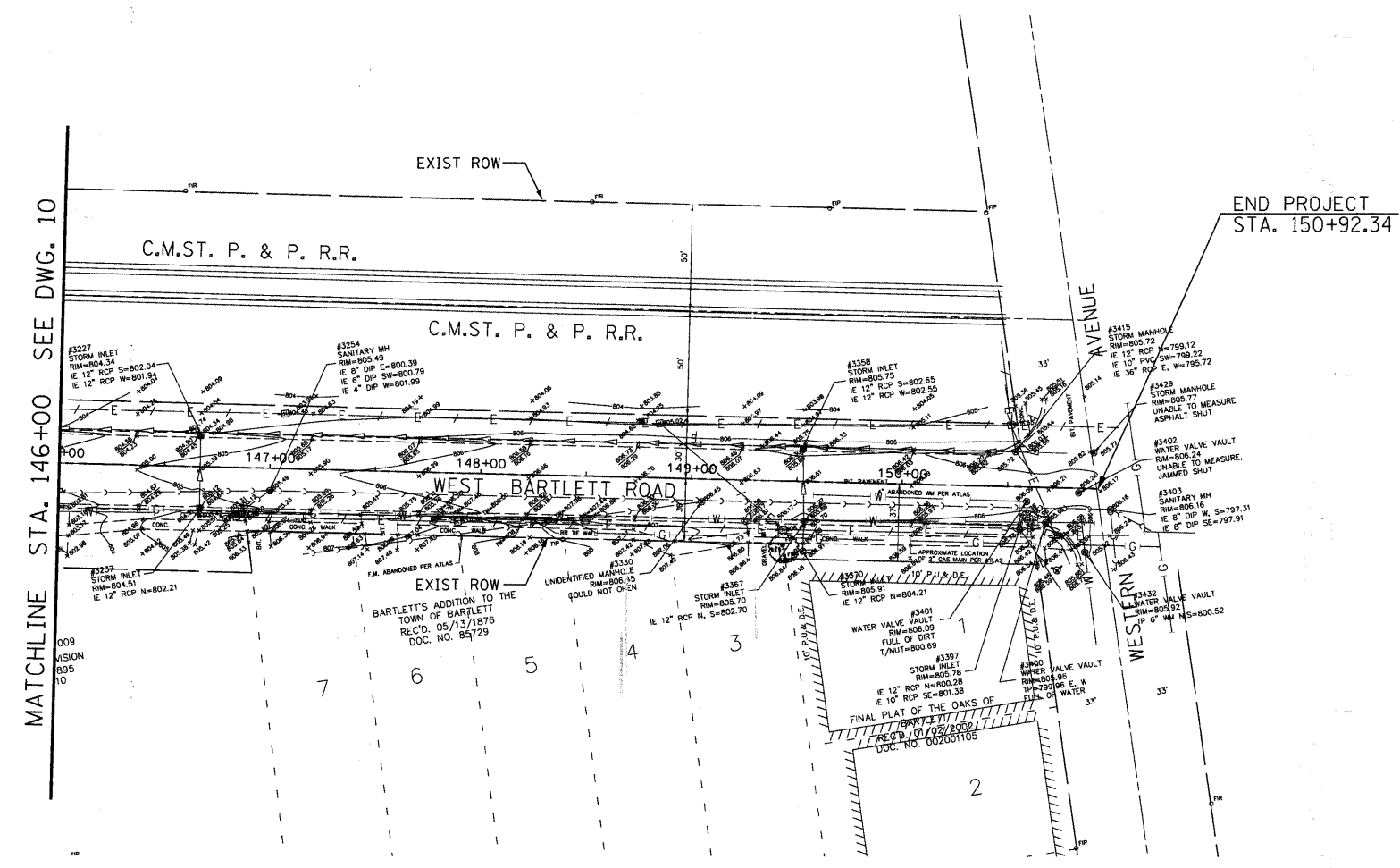
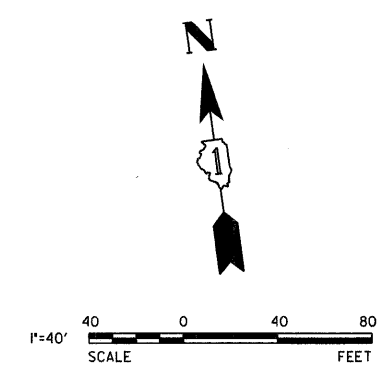
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	DATE - 12-22-10	REVISED -

**WEST BARTLETT ROAD  
 STREETSCAPE**

**EXISTING CONDITIONS**

SCALE: 1" = 40'    SHEET NO. 5 OF 6 SHEETS    STA. 137+00 TO STA. 146+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1344	10-00085-00-LT	COOK	30	10
CONTRACT NO. 63512				
ILLINOIS FED. AID PROJECT				



USER NAME = #USER#	DESIGNED - HEV	REVISED -
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PLOT DATE = 1/7/2011	DATE - 12-22-10	REVISED -

**WEST BARTLETT ROAD  
STREETSCAPE**

**EXISTING CONDITIONS**

SCALE: 1" = 40'    SHEET NO. 6 OF 6 SHEETS    STA. 146+00 TO STA. 150+92

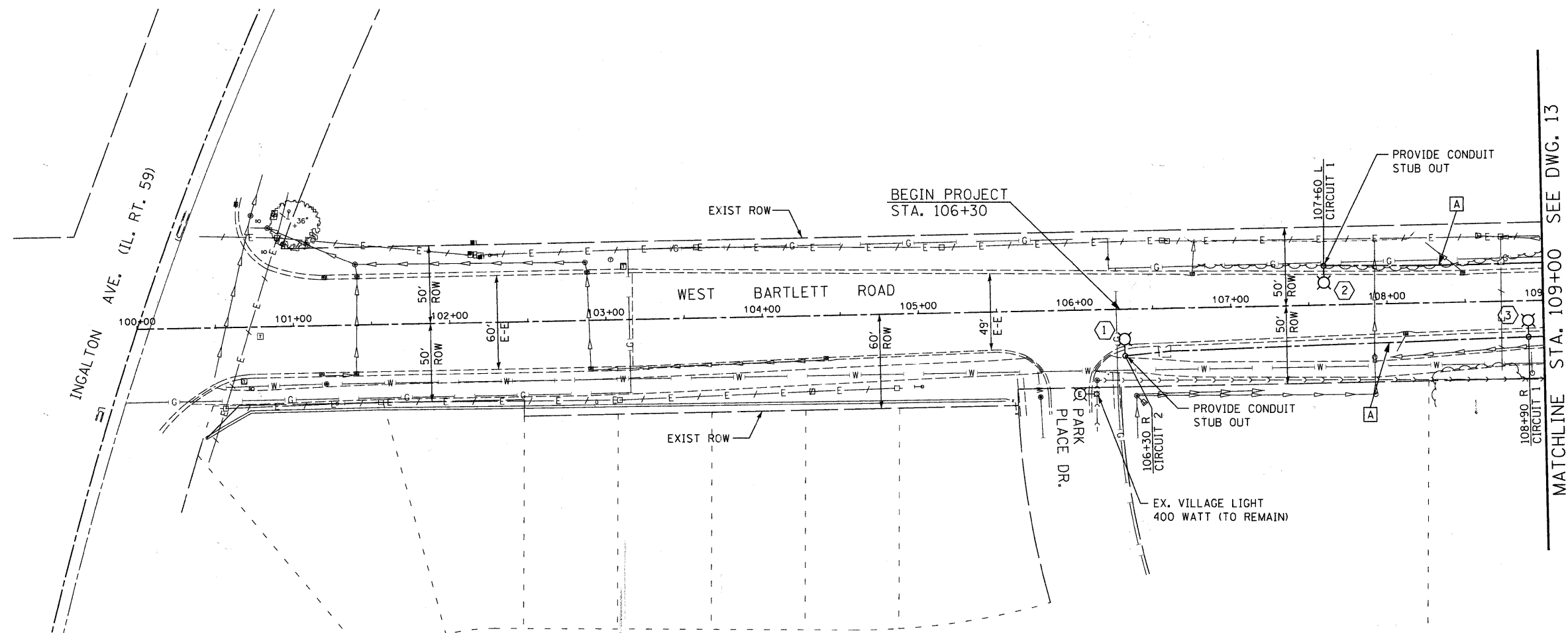
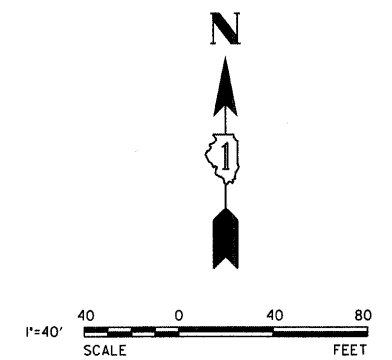
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1344	10-00085-00-LT	COOK	30	11
CONTRACT NO. 63512				
ILLINOIS FED. AID PROJECT				

**CABLE TABLE**

- A** UNIT DUCT, 600V, 2-1/C #6 & 1-1/C #6 GROUND (XLP-TYPE USE) IN 1" DIA. POLYETHYLENE CONDUIT
- B** UNIT DUCT, 600V, 4-1/C #6 & 1-1/C #6 GROUND (XLP-TYPE USE) IN 1 1/4" DIA. POLYETHYLENE CONDUIT
- C** UNIT DUCT, 600V, 2-1/C #4 & 1-1/C #4 GROUND (XLP-TYPE USE) IN 1" DIA. POLYETHYLENE CONDUIT
- D** UNIT DUCT, 600V, 4-1/C #4 & 1-1/C #4 GROUND (XLP-TYPE USE) IN 1 1/2" DIA. POLYETHYLENE CONDUIT

**LEGEND**

- SERVICE LINE - ELECTRIC CABLE IN CONDUIT 600V (XLP-TYPE USE) 2-1/C #2 & 1-1/C #6 GROUND WIRE
- CONDUIT - POLYETHYLENE (SIZE AS NOTED)
- PROPOSED STREET LIGHT POLE WITH 2 LED LAMPS (SEE DETAIL SHEET 25)
- ⊠ PROPOSED STREET LIGHT POLE WITH 1 LED LAMP (SEE DETAIL SHEET 25)
- ▣ PROPOSED STREET LIGHT CONTROLLER CABINET
- PROPOSED HANDHOLE
- EXISTING LIGHT POLE TO REMAIN
- EXISTING LUMINAIRE AND MAST ARM TO BE REMOVED (BY COMED)
- ▬ PROPOSED 4" DIA GALVANIZED STEEL SLEEVE
- ⓧ PROPOSED STREET LIGHT POLE NUMBER



USER NAME = #USER#	DESIGNED - HEV	REVISED -
DRAWN - DRP	CHECKED - MJR	REVISED -
DATE - 12-22-10		

**WEST BARTLETT ROAD  
STREETSCAPE**

**LIGHTING AND ELECTRICAL PLANS**

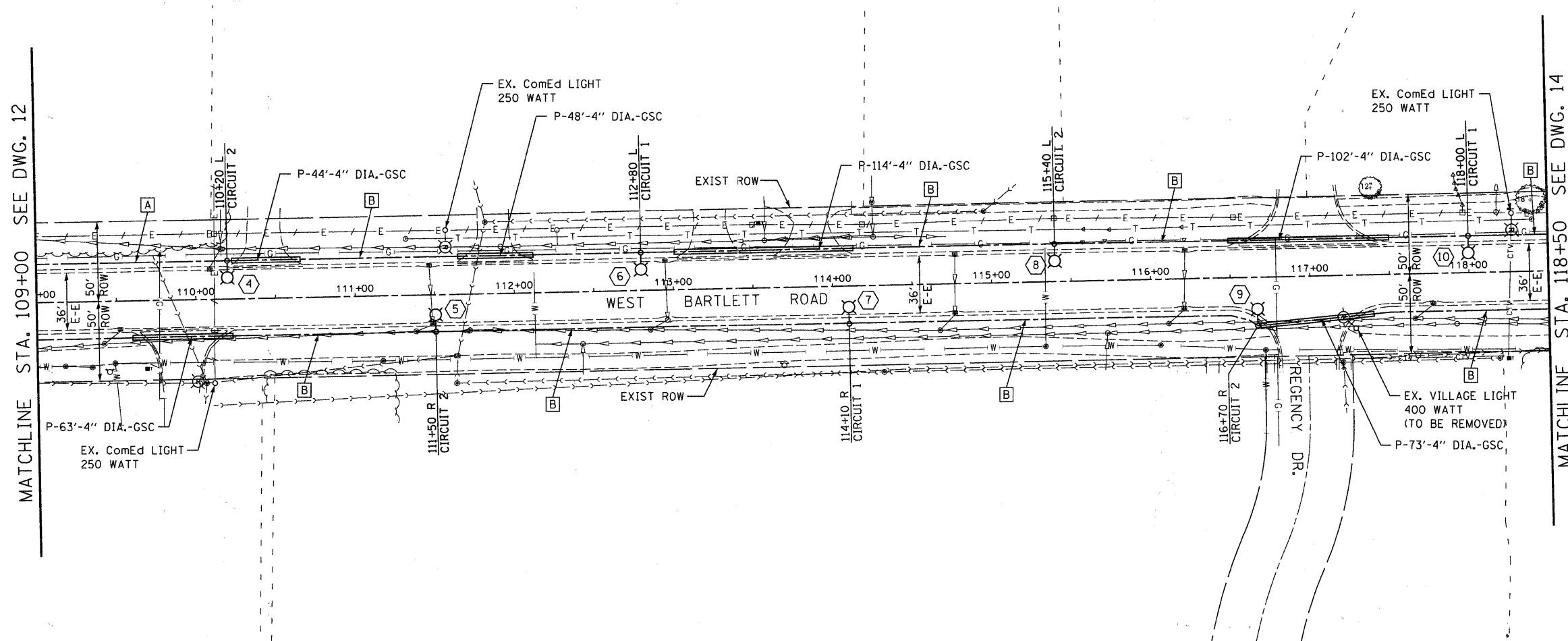
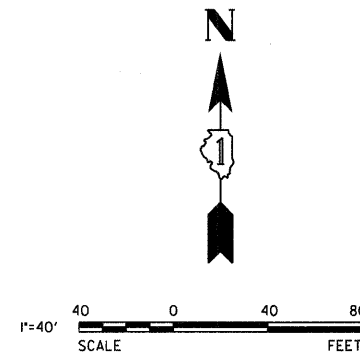
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1344	10-00085-00-LT	COOK	30	12
CONTRACT NO. 63512			ILLINOIS FED. AID PROJECT	

**CABLE TABLE**

- A** UNIT DUCT, 600V, 2-1/C #6 & 1-1/C #6 GROUND (XLP-TYPE USE) IN 1" DIA. POLYETHYLENE CONDUIT
- B** UNIT DUCT, 600V, 4-1/C #6 & 1-1/C #6 GROUND (XLP-TYPE USE) IN 1 1/4" DIA. POLYETHYLENE CONDUIT
- C** UNIT DUCT, 600V, 2-1/C #4 & 1-1/C #4 GROUND (XLP-TYPE USE) IN 1" DIA. POLYETHYLENE CONDUIT
- D** UNIT DUCT, 600V, 4-1/C #4 & 1-1/C #4 GROUND (XLP-TYPE USE) IN 1 1/2" DIA. POLYETHYLENE CONDUIT

**LEGEND**

- SERVICE LINE - ELECTRIC CABLE IN CONDUIT  
600V (XLP-TYPE USE) 2-1/C #2 & 1-1/C #6 GROUND WIRE
- CONDUIT - POLYETHYLENE (SIZE AS NOTED)
- PROPOSED STREET LIGHT POLE WITH 2 LED LAMPS (SEE DETAIL SHEET 25)
- ⊗ PROPOSED STREET LIGHT POLE WITH 1 LED LAMP (SEE DETAIL SHEET 25)
- ▣ PROPOSED STREET LIGHT CONTROLLER CABINET
- ▣ PROPOSED HANDHOLE
- EXISTING LIGHT POLE TO REMAIN
- EXISTING LUMINAIRE AND MAST ARM TO BE REMOVED (BY COMED)
- ===== PROPOSED 4" DIA GALVANIZED STEEL SLEEVE
- ⊗ PROPOSED STREET LIGHT POLE NUMBER

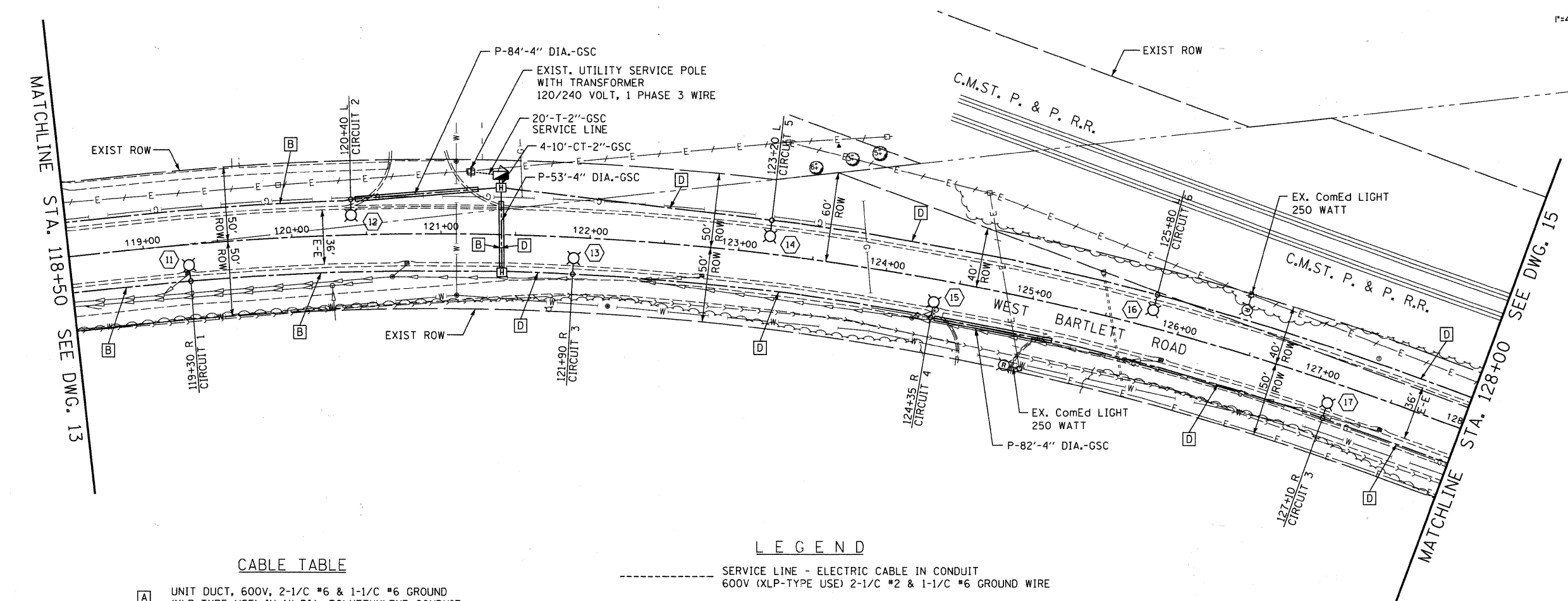
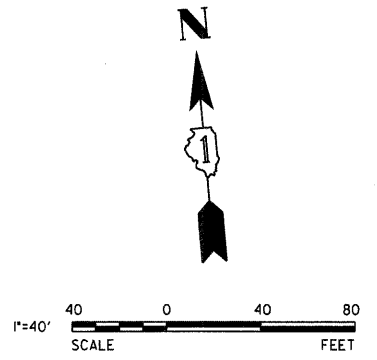


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DRAWN - DRP	CHECKED - MJR	REVISED -
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PLLOT DATE = 1/7/2011		

**WEST BARTLETT ROAD  
STREETSCAPE**

**LIGHTING AND ELECTRICAL PLANS**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1344	10-00085-00-LT	COOK	30	13
CONTRACT NO. 63512				
ILLINOIS FED. AID PROJECT				

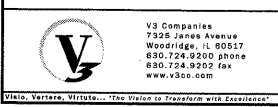


**CABLE TABLE**

- A** UNIT DUCT, 600V, 2-1/C #6 & 1-1/C #6 GROUND (XLP-TYPE USE) IN 1" DIA. POLYETHYLENE CONDUIT
- B** UNIT DUCT, 600V, 4-1/C #6 & 1-1/C #6 GROUND (XLP-TYPE USE) IN 1 1/4" DIA. POLYETHYLENE CONDUIT
- C** UNIT DUCT, 600V, 2-1/C #4 & 1-1/C #4 GROUND (XLP-TYPE USE) IN 1" DIA. POLYETHYLENE CONDUIT
- D** UNIT DUCT, 600V, 4-1/C #4 & 1-1/C #4 GROUND (XLP-TYPE USE) IN 1 1/2" DIA. POLYETHYLENE CONDUIT

**LEGEND**

- SERVICE LINE - ELECTRIC CABLE IN CONDUIT  
600V (XLP-TYPE USE) 2-1/C #2 & 1-1/C #6 GROUND WIRE
- CONDUIT - POLYETHYLENE  
(SIZE AS NOTED)
- PROPOSED STREET LIGHT POLE WITH 2 LED LAMPS  
(SEE DETAIL SHEET 25)
- ⊗ PROPOSED STREET LIGHT POLE WITH 1 LED LAMP  
(SEE DETAIL SHEET 25)
- ▣ PROPOSED STREET LIGHT CONTROLLER CABINET
- ⊞ PROPOSED HANDHOLE
- EXISTING LIGHT POLE TO REMAIN
- EXISTING LUMINAIRE AND MAST ARM TO BE REMOVED (BY COMED)
- ▬ PROPOSED 4" DIA GALVANIZED STEEL SLEEVE
- ⊞ PROPOSED STREET LIGHT POLE NUMBER

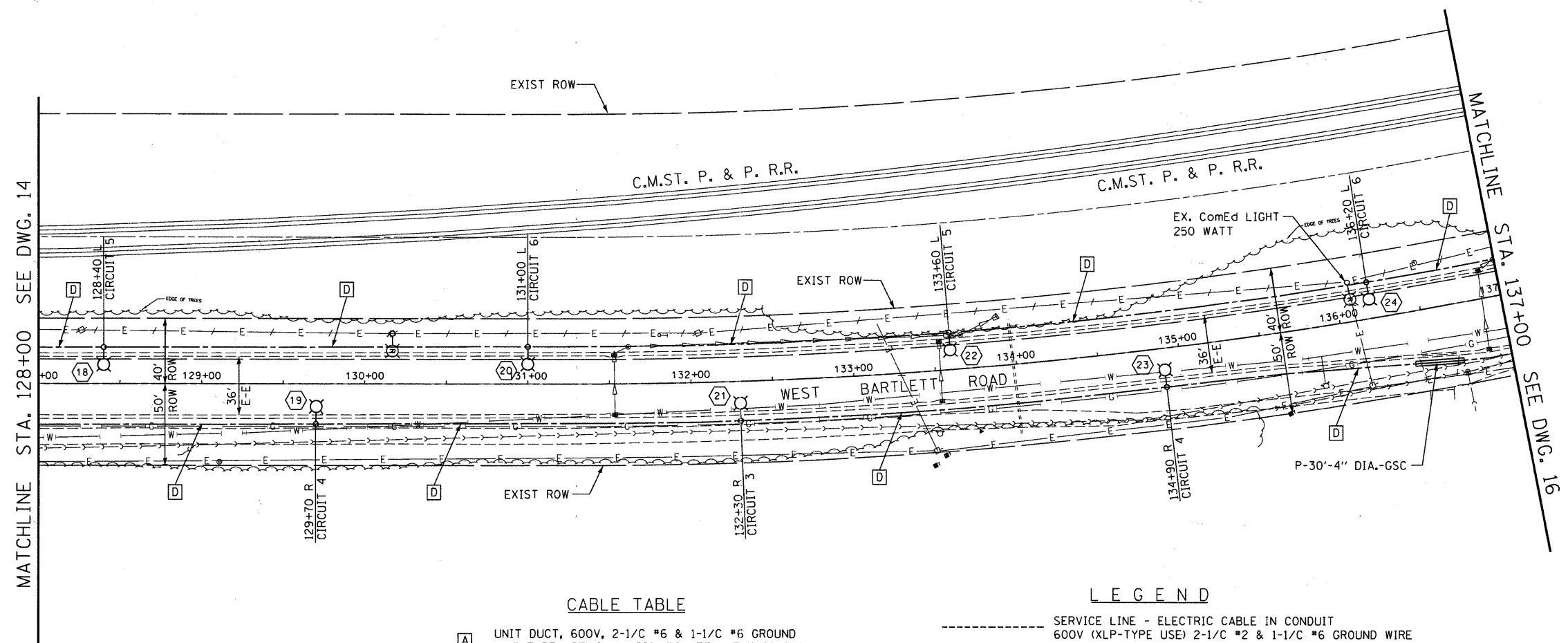
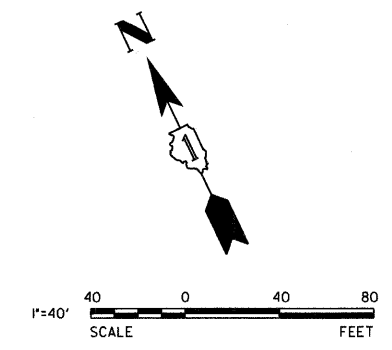


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DRAWN - DRP	REVISIONS -	
CHECKED - MJR	REVISIONS -	
DATE - 12-22-10	REVISIONS -	

**WEST BARTLETT ROAD  
STREETSCAPE**

<b>LIGHTING AND ELECTRICAL PLANS</b>	
SCALE: 1" = 40'	SHEET NO. 3 OF 6 SHEETS
STA. 118+50 TO STA. 128+00	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1344	10-00085-00-LT	COOK	30	14
CONTRACT NO. 63512				
ILLINOIS FED. AID PROJECT				



**CABLE TABLE**

- A** UNIT DUCT, 600V, 2-1/C #6 & 1-1/C #6 GROUND (XLP-TYPE USE) IN 1" DIA. POLYETHYLENE CONDUIT
- B** UNIT DUCT, 600V, 4-1/C #6 & 1-1/C #6 GROUND (XLP-TYPE USE) IN 1 1/4" DIA. POLYETHYLENE CONDUIT
- C** UNIT DUCT, 600V, 2-1/C #4 & 1-1/C #4 GROUND (XLP-TYPE USE) IN 1" DIA. POLYETHYLENE CONDUIT
- D** UNIT DUCT, 600V, 4-1/C #4 & 1-1/C #4 GROUND (XLP-TYPE USE) IN 1 1/2" DIA. POLYETHYLENE CONDUIT

**LEGEND**

- SERVICE LINE - ELECTRIC CABLE IN CONDUIT 600V (XLP-TYPE USE) 2-1/C #2 & 1-1/C #6 GROUND WIRE
- CONDUIT - POLYETHYLENE (SIZE AS NOTED)
- ⊙ PROPOSED STREET LIGHT POLE WITH 2 LED LAMPS (SEE DETAIL SHEET 25)
- ⊙ PROPOSED STREET LIGHT POLE WITH 1 LED LAMP (SEE DETAIL SHEET 25)
- ▢ PROPOSED STREET LIGHT CONTROLLER CABINET
- ⊠ PROPOSED HANDHOLE
- ⊙ EXISTING LIGHT POLE TO REMAIN
- ⊙ EXISTING LUMINAIRE AND MAST ARM TO BE REMOVED (BY COMED)
- ▬ PROPOSED 4" DIA GALVANIZED STEEL SLEEVE
- ⊙ PROPOSED STREET LIGHT POLE NUMBER



USER NAME = #USER#	DESIGNED - HEV	REVISED -
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PLOT DATE = 1/7/2011	CHECKED - MJR	REVISED -
	DATE - 12-22-10	REVISED -

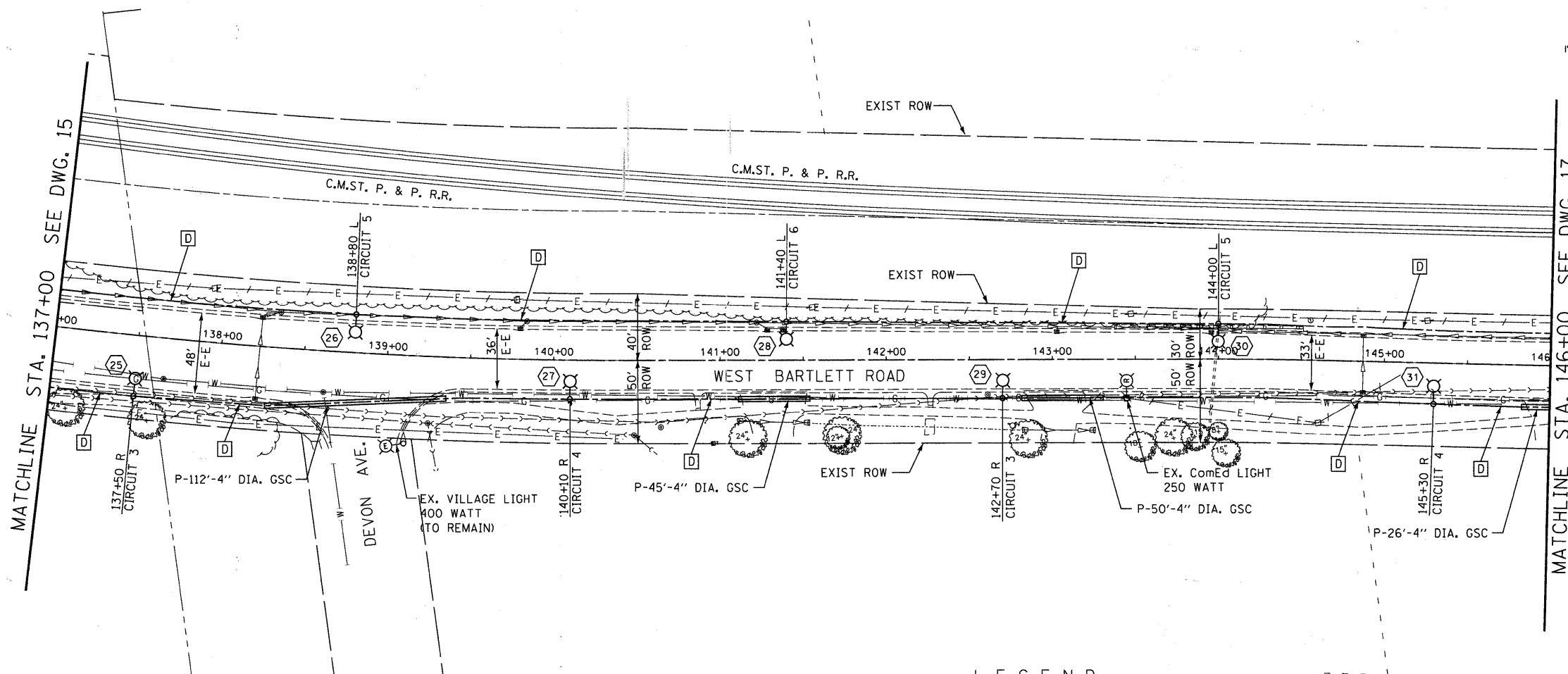
**WEST BARTLETT ROAD STREETScape**

**LIGHTING AND ELECTRICAL PLANS**

F.A.J. RTE. 1344	SECTION 10-00085-00-LT	COUNTY COOK	TOTAL SHEETS 30	SHEET NO. 15
SCALE: 1" = 40'			SHEET NO. 4 OF 6 SHEETS	
STA. 128+00 TO STA. 137+00			CONTRACT NO. 63512	
ILLINOIS FED. AID PROJECT				



1"=40'  
SCALE  
40 0 40 80  
FEET



**CABLE TABLE**

- A** UNIT DUCT, 600V, 2-1/C #6 & 1-1/C #6 GROUND (XLP-TYPE USE) IN 1" DIA. POLYETHYLENE CONDUIT
- B** UNIT DUCT, 600V, 4-1/C #6 & 1-1/C #6 GROUND (XLP-TYPE USE) IN 1 1/4" DIA. POLYETHYLENE CONDUIT
- C** UNIT DUCT, 600V, 2-1/C #4 & 1-1/C #4 GROUND (XLP-TYPE USE) IN 1" DIA. POLYETHYLENE CONDUIT
- D** UNIT DUCT, 600V, 4-1/C #4 & 1-1/C #4 GROUND (XLP-TYPE USE) IN 1 1/2" DIA. POLYETHYLENE CONDUIT

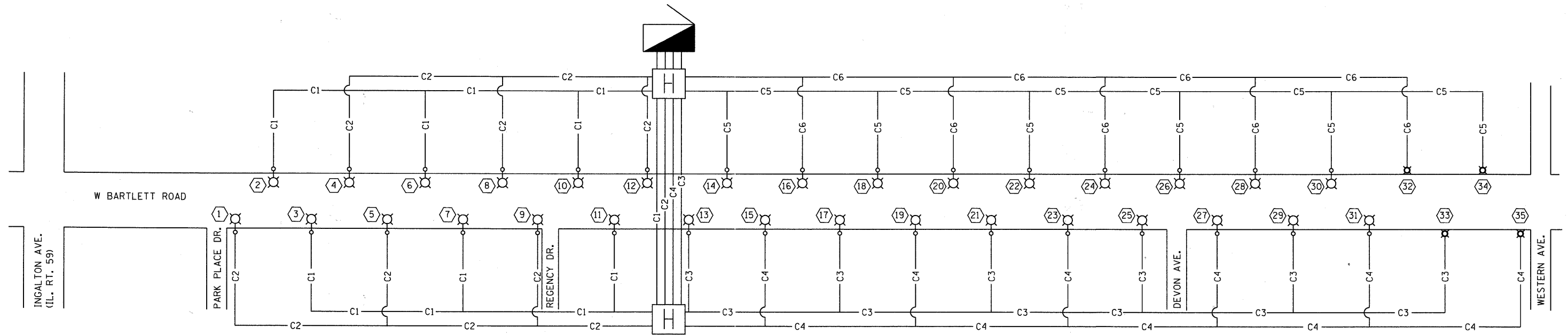
**LEGEND**

- SERVICE LINE - ELECTRIC CABLE IN CONDUIT 600V (XLP-TYPE USE) 2-1/C #2 & 1-1/C #6 GROUND WIRE
- CONDUIT - POLYETHYLENE (SIZE AS NOTED)
- PROPOSED STREET LIGHT POLE WITH 2 LED LAMPS (SEE DETAIL SHEET 25)
- PROPOSED STREET LIGHT POLE WITH 1 LED LAMP (SEE DETAIL SHEET 25)
- PROPOSED STREET LIGHT CONTROLLER CABINET
- PROPOSED HANDHOLE
- EXISTING LIGHT POLE TO REMAIN
- EXISTING LUMINAIRE AND MAST ARM TO BE REMOVED (BY COMED)
- PROPOSED 4" DIA GALVANIZED STEEL SLEEVE
- PROPOSED STREET LIGHT POLE NUMBER

	V3 Companies 7325 Jones Avenue Woodridge, IL 60517 630.724.9200 phone 630.724.9202 fax www.v3co.com	USER NAME = #USER# DESIGNED - HEV DRAWN - DRP CHECKED - MJR DATE - 12-22-10	REVISED - REVISED - REVISED - REVISED -	<b>WEST BARTLETT ROAD STREETSCAPE</b>	<b>LIGHTING AND ELECTRICAL PLANS</b>	F.A.U. RTE. 1344	SECTION 10-00085-00-LT	COUNTY COOK	TOTAL SHEETS 30	SHEET NO. 16
	PLOT SCALE = #SCALE# PLOT DATE = 1/7/2011	DATE - 12-22-10	SCALE: 1" = 40' SHEET NO. 5 OF 6 SHEETS STA. 137+00 TO STA. 146+00			CONTRACT NO. 63512 ILLINOIS FED. AID PROJECT				







**SINGLE LINE WIRING DIAGRAM**  
SINGLE PHASE 2-WIRE 240 VOLTS

**LEGEND**

- C1 = CIRCUIT 1 (POLES NO. 2, 3, 6, 7, 10, 11)
- C2 = CIRCUIT 2 (POLES NO. 1, 4, 5, 8, 9, 12)
- C3 = CIRCUIT 3 (POLES NO. 13, 17, 21, 25, 29, 33)
- C4 = CIRCUIT 4 (POLES NO. 15, 19, 23, 27, 31, 35)
- C5 = CIRCUIT 5 (POLES NO. 14, 18, 22, 26, 30, 34)
- C6 = CIRCUIT 6 (POLES NO. 16, 20, 24, 28, 32)
- PROPOSED STREET LIGHT POLE WITH 2 LED LAMPS (SEE DETAIL SHEET 25)
- PROPOSED STREET LIGHT POLE WITH 1 LED LAMP (SEE DETAIL SHEET 25)
- PROPOSED STREET LIGHT CONTROLLER CABINET
- PROPOSED HANDHOLE
- PROPOSED STREET LIGHT POLE NUMBER

**LOAD TABULATIONS**

- CIRCUIT 1 = 10.8 AMPS
- CIRCUIT 2 = 10.8 AMPS
- CIRCUIT 3 = 18.3 AMPS
- CIRCUIT 4 = 18.3 AMPS
- CIRCUIT 5 = 18.3 AMPS
- CIRCUIT 6 = 12.9 AMPS
- TOTAL LOAD = 89.4 AMPS**



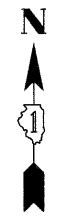
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**WEST BARTLETT ROAD  
STREETSCAPE**

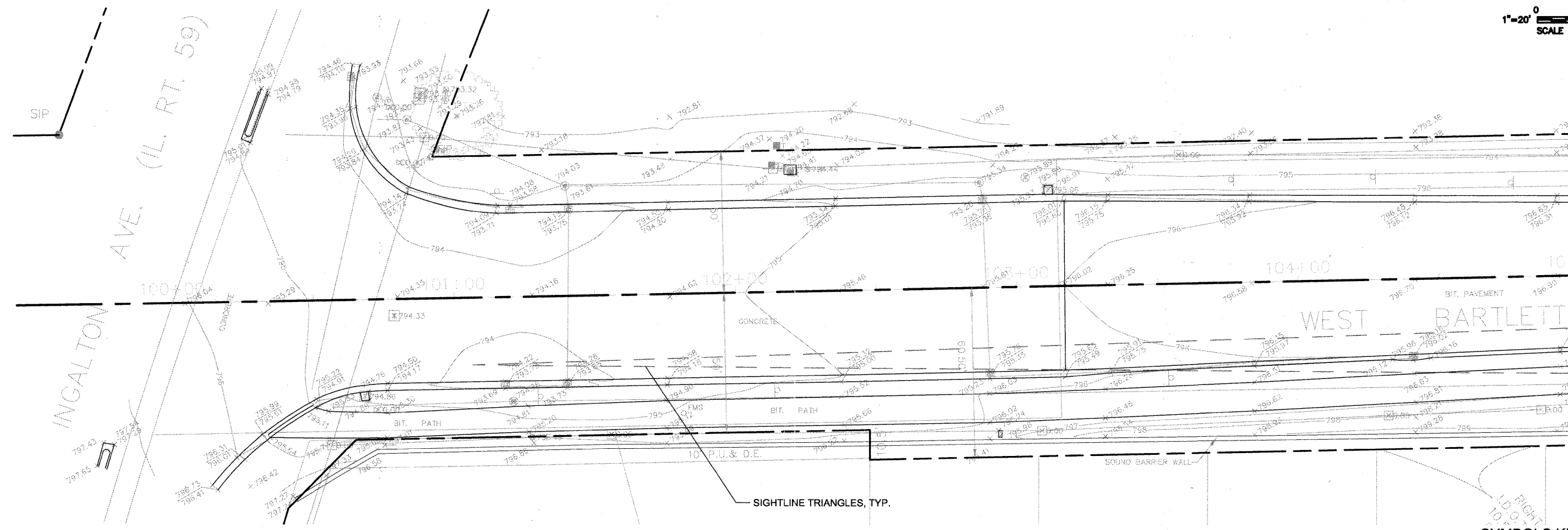
**WEST BARTLETT ROAD  
WIRING DIAGRAM**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00068-00-LT	COOK	30	18
CONTRACT NO. 63512				
ILLINOIS FED. AID PROJECT				

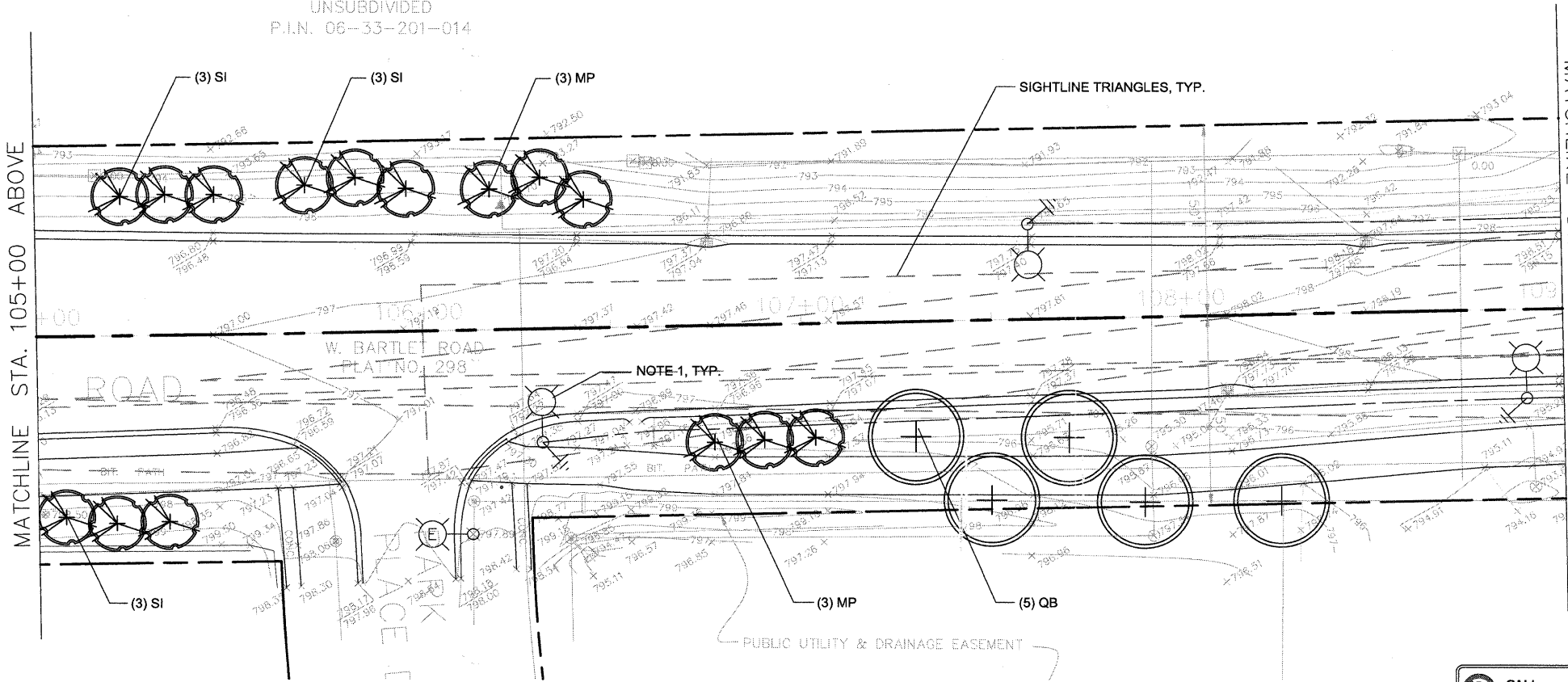


MATCHLINE STA. 105+00 SEE BELOW



**SYMBOLS KEY**

- SHADE TREE
- ORNAMENTAL TREE
- BIKE NODE PAVING, BY OTHERS.
- NEW LIGHT POLE WITH BASKETS WITH ELEC. CONDUIT
- EXISTING LIGHT POLE (SEE CIVIL PLANS)
- EXISTING LIGHT POLE (SEE CIVIL PLANS)
- NEW LIGHT POLE WITH BASKETS (SEE CIVIL PLANS)

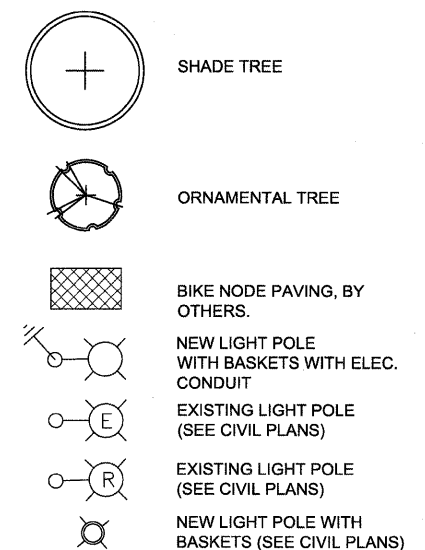
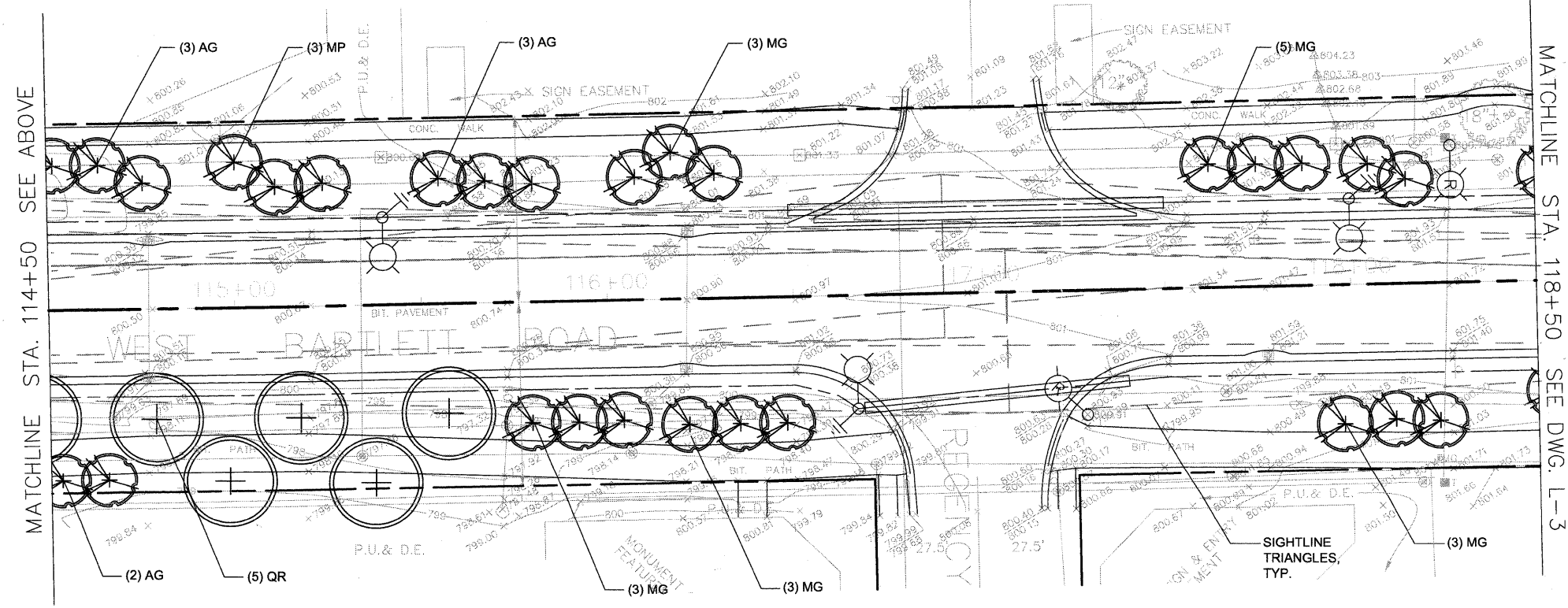
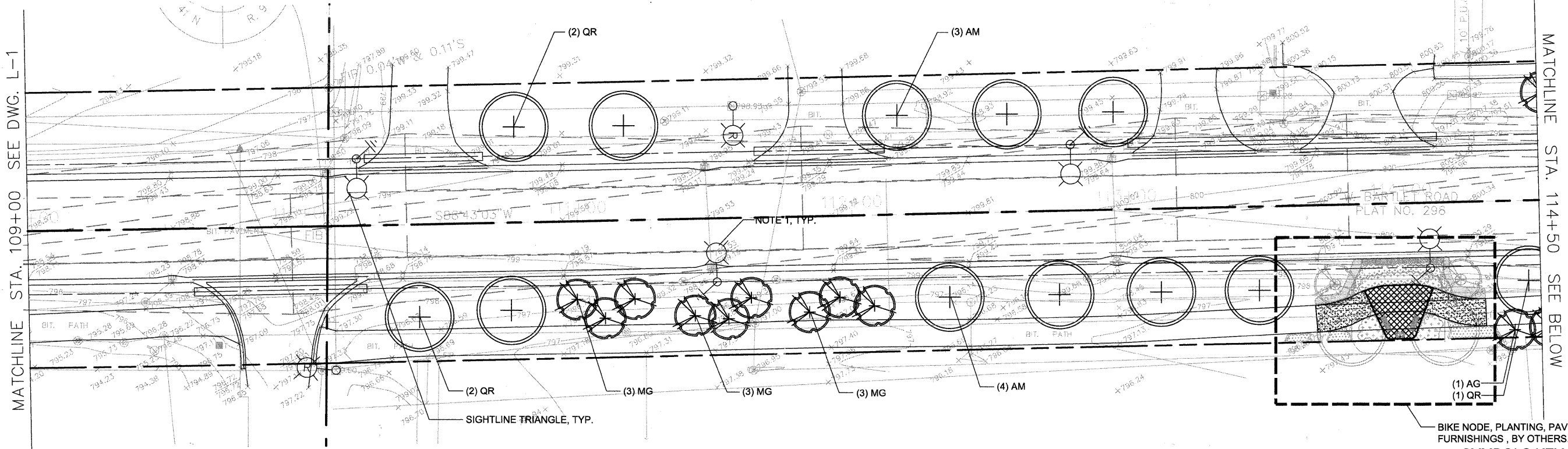


MATCHLINE STA. 109+00 SEE DWG. L-2

BILL OF MATERIALS - STA. 100+00 TO STA. 109+00						
CODE	QTY.	BOTANIC NAME	COMMON NAME	SIZE	REMARK	UNIT
<b>SHADE TREES</b>						
QB	5	QUERCUS BICOLOR	SWAMP WHITE OAK	2.5"	B/B	EA.
<b>ORNAMENTAL TREES</b>						
MP	6	MALUS 'PURPLE PRINCE'	PURPLE PRINCE CRABAPPLE	2.5"	B/B	EA.
SI	9	SYRINGA RETICULATA 'IVORY SILK'	IVORY SILK JAPANESE TREE LILAC	2"	B/B	EA.
<b>MISCELLANEOUS MATERIALS</b>						
	3.3	MULCH	INCLUSIVE TO PLANTING			CY
	205	SEEDING CLASS 2A	INCLUSIVE TO PLANTING			SY
	20	TREE WATERING BAGS (QTY = 1/TREE)	INCLUSIVE TO PLANTING			EA.

NOTE 1: ALL LIGHTPOLES INCLUDE DOUBLE HANGING BASKETS AND PLANTING. SEE SHEET 30 FOR BASKET PLANTING DESIGN, PAY ITEMS, AND QUANTITIES.

**JULIE**  
CALL 1-800-892-0123  
48 Hours (2 working days) Before You Dig.



BILL OF MATERIALS - STA. 109+00 TO STA. 118+50						
CODE	QTY.	BOTANIC NAME	COMMON NAME	SIZE	REMARK	UNIT
<b>SHADE TREES</b>						
AM	7	ACER MIYABEI 'MORTON' STATE STREET	STATE STREET MIYABE MAPLE	2.5"	B/B	EA.
QR	10	QUERCUS RUBRA	RED OAK	2.5"	B/B	EA.
<b>ORNAMENTAL TREES</b>						
AG	9	AMELANCHIER X. GRANDIFLORA 'AUTUMN BRILLIANCE'	APPLE SERVICEBERRY	2"	B/B	EA.
MG	26	MALUS 'GOLDEN RAINDROPS'	GOLDEN RAINDROPS CRABAPPLE	2.5"	B/B	EA.
MP	3	MALUS 'PURPLE PRINCE'	THORNLESS COCKSPUR HAWTHORN	2.5"	B/B	EA.
<b>MISCELLANEOUS MATERIALS</b>						
	9.2	MULCH	INCLUSIVE TO PLANTING			CY
	858	SEEDING, CLASS 2A				SY
	55	TREE WATERING BAGS (QTY = 1/TREE)	INCLUSIVE TO PLANTING			EA.

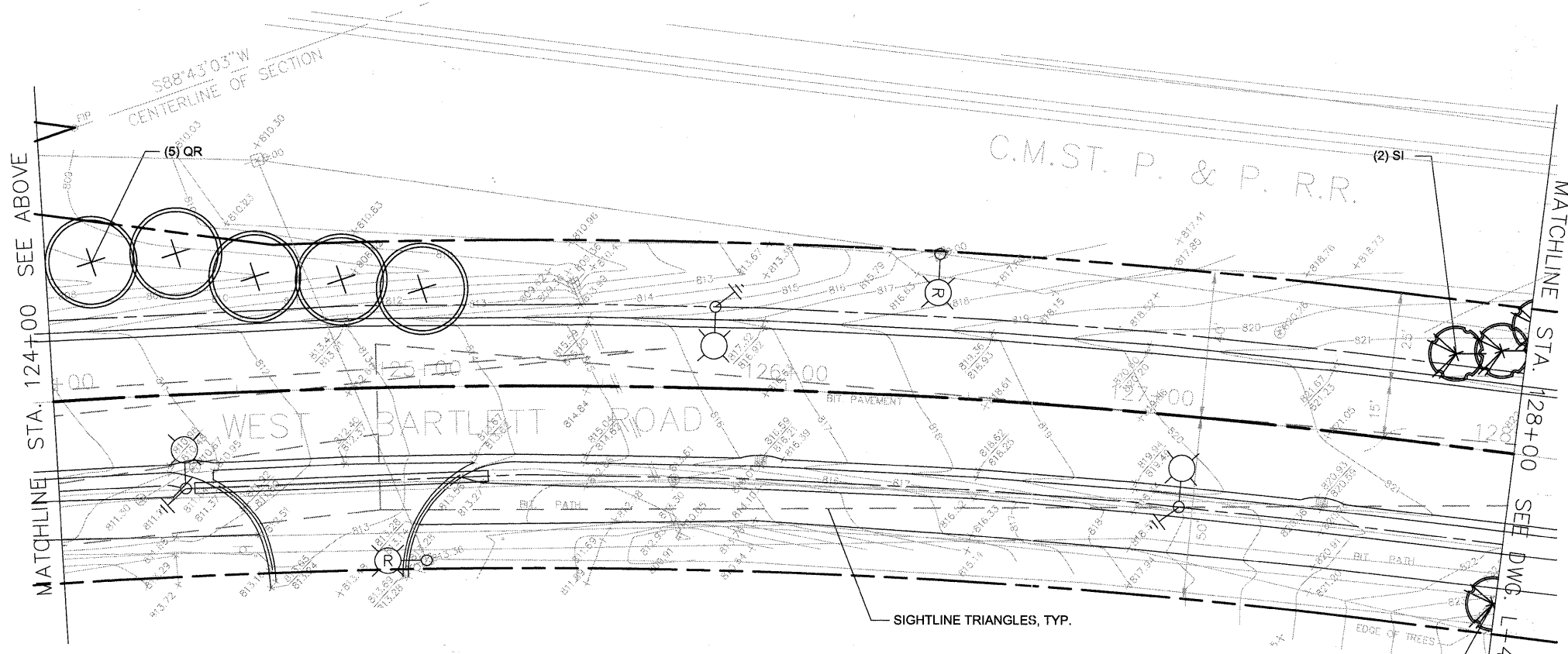
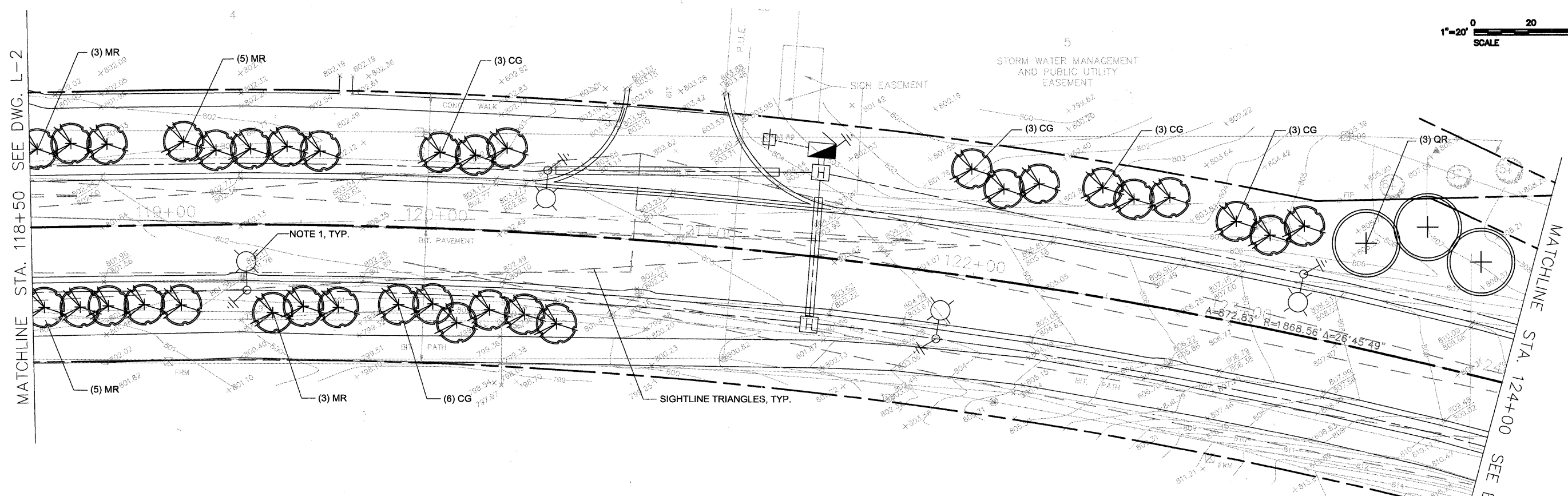
NOTE 1: ALL LIGHTPOLES INCLUDE DOUBLE HANGING BASKETS AND PLANTING. SEE SHEET 30 FOR BASKET PLANTING DESIGN, PAY ITEMS, AND QUANTITIES.

CALL 1-800-892-0123  
48 Hours (2 working days) Before You Dig.



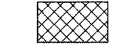
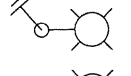
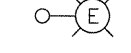
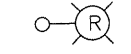

FILE NAME =	USER NAME =	DESIGNED -- ET/LV	REVISED --
<b>JJR</b> landscape architecture planning urban design civil engineering environmental science		DRAWN -- ET	REVISED --
	PLOT SCALE =	CHECKED -- GC	REVISED --
	PLOT DATE =	DATE -- 12-22-10	REVISED --

WEST BARTLETT ROAD  
STREETSCAPE

LANDSCAPE PLAN



**SYMBOLS KEY**

-  SHADE TREE
-  ORNAMENTAL TREE
-  BIKE NODE PAVING, BY OTHERS.
-  NEW LIGHT POLE WITH BASKETS WITH ELEC. CONDUIT
-  EXISTING LIGHT POLE (SEE CIVIL PLANS)
-  EXISTING LIGHT POLE (SEE CIVIL PLANS)
-  NEW LIGHT POLE WITH BASKETS (SEE CIVIL PLANS)

BILL OF MATERIALS - STA. 118+50 TO 128+00					
CODE	QTY.	BOTANIC NAME	COMMON NAME	SIZE	REMARKS UNIT
<b>SHADE TREES</b>					
QR	8	QUERCUS RUBRA	RED OAK	2.5"	B/B EA.
<b>ORNAMENTAL TREES</b>					
CG	18	CRATAEGUS CRUS-GALLI VAR. INERMIS	THORNLESS COCKSPUR HAWTHORN	2.5"	B/B EA.
MR	16	MALUS 'ROYAL RAINDROPS'	ROYAL RAINDROPS CRABAPPLE	2.5"	B/B EA.
SI	3	SYRINGA RETICULATA 'IVORY SILK'	IVORY SILK JAPANESE TREE LILAC	2"	B/B EA.
<b>MISCELLANEOUS MATERIALS</b>					
	7.5	MULCH	INCLUSIVE TO PLANTING		CY
	1000	SEEDING, CLASS 2A	INCLUSIVE TO PLANTING		SY
	45	TREE WATERING BAGS (QTY = 1/TREE)	INCLUSIVE TO PLANTING		EA.

NOTE 1: ALL LIGHTPOLES INCLUDE DOUBLE HANGING BASKETS AND PLANTING. SEE SHEET 30 FOR BASKET PLANTING DESIGN, PAY ITEMS, AND QUANTITIES.

FILE NAME =	USER NAME =	DESIGNED - ET/LV	REVISED -
<b>JJR</b> landscape architecture planning urban design civil engineering environmental science		DRAWN - ET	REVISED -
	PLOT SCALE =	CHECKED - GC	REVISED -
	PLOT DATE =	DATE - 12-22-10	REVISED -

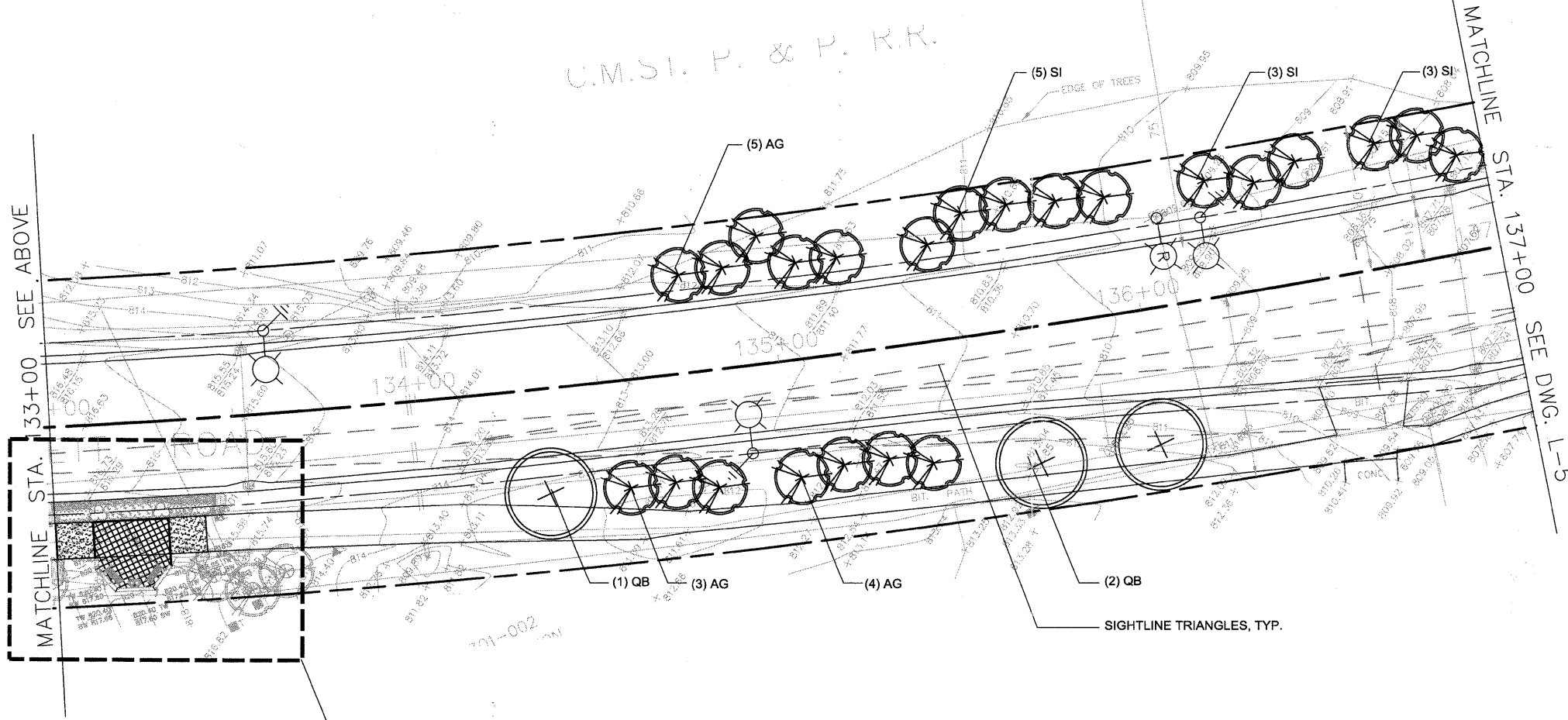
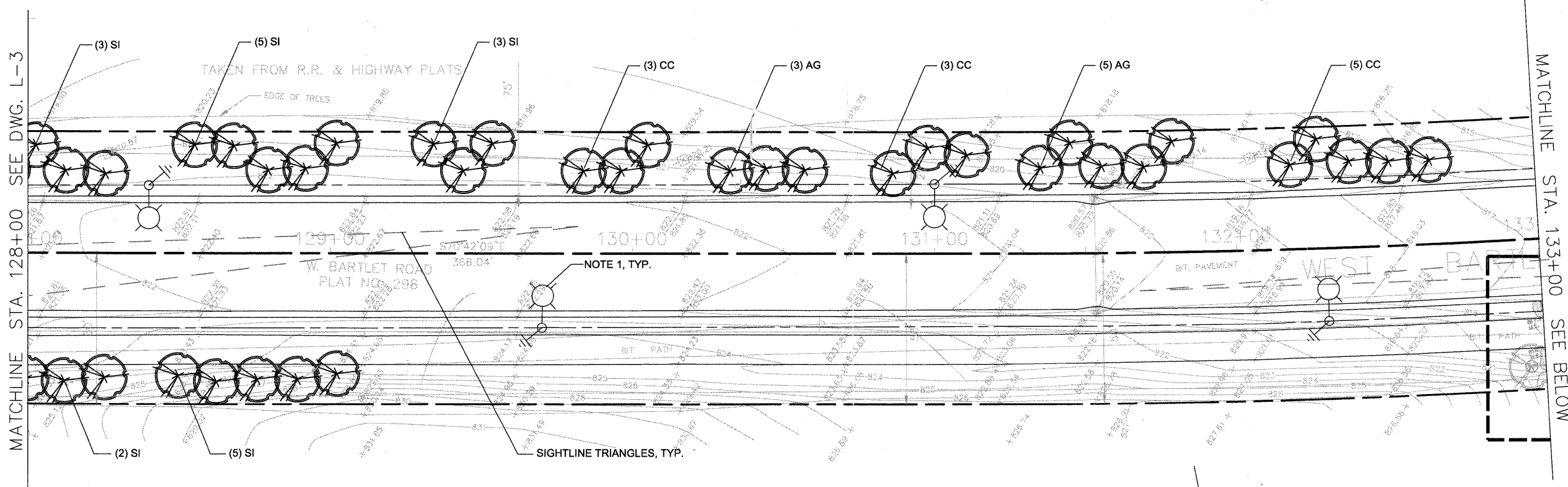
**WEST BARTLETT ROAD  
STREETSCAPE**

**LANDSCAPE PLAN**

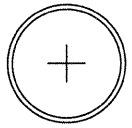
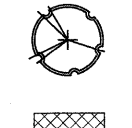
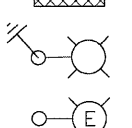
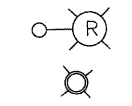
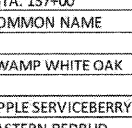
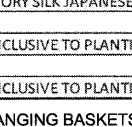
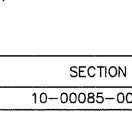
SCALE: 1" = 20' SHEET NO. 3 OF 6 SHEETS STA. 118+50 TO STA. 128+00

F.A. RTE. 1344	SECTION 10-00085-00-LT	COUNTY COOK	TOTAL SHEETS 30	SHEET NO. 21
				CONTRACT NO. 63512
ILLINOIS FED. AID PROJECT				

CALL J.U.L.I.E.  
1-800-892-0123  
48 Hours (2 working days) Before You Dig.



**SYMBOLS KEY**

-  SHADE TREE
-  ORNAMENTAL TREE
-  BIKE NODE PAVING, BY OTHERS.
-  NEW LIGHT POLE WITH BASKETS WITH ELEC. CONDUIT
-  EXISTING LIGHT POLE (SEE CIVIL PLANS)
-  EXISTING LIGHT POLE (SEE CIVIL PLANS)
-  NEW LIGHT POLE WITH BASKETS (SEE CIVIL PLANS)

BILL OF MATERIALS - STA. 128+00 TO STA. 137+00						
CODE	QTY.	BOTANIC NAME	COMMON NAME	SIZE	REMARK	UNIT
<b>SHADE TREES</b>						
QB	3	QUERCUS BICOLOR	SWAMP WHITE OAK	2.5"	B/B	EA.
<b>ORNAMENTAL TREES</b>						
AG	20	AMELANCHIER X. GRANDIFLORA 'AUTUMN BRILLIANCE'	APPLE SERVICEBERRY	2"	B/B	EA.
CC	11	CERCIS CANADENSIS	EASTERN REDBUD	2"	B/B	EA.
SI	29	SYRINGA RETICULATA 'IVORY SILK'	IVORY SILK JAPANESE TREE LILAC	2"	B/B	EA.
<b>MISCELLANEOUS MATERIALS</b>						
	10.5	MULCH	INCLUSIVE TO PLANTING			CY
	992	SEEDING, CLASS 2A	INCLUSIVE TO PLANTING			SY
	63	TREE WATERING BAGS (QTY = 1/TREE)	INCLUSIVE TO PLANTING			EA.

NOTE 1: ALL LIGHTPOLES INCLUDE DOUBLE HANGING BASKETS AND PLANTING. SEE SHEET 30 FOR BASKET PLANTING DESIGN, PAY ITEMS, AND QUANTITIES.

CALL J.U.L.I.E. 1-800-892-0123 48 Hours (2 working days) Before You Dig.

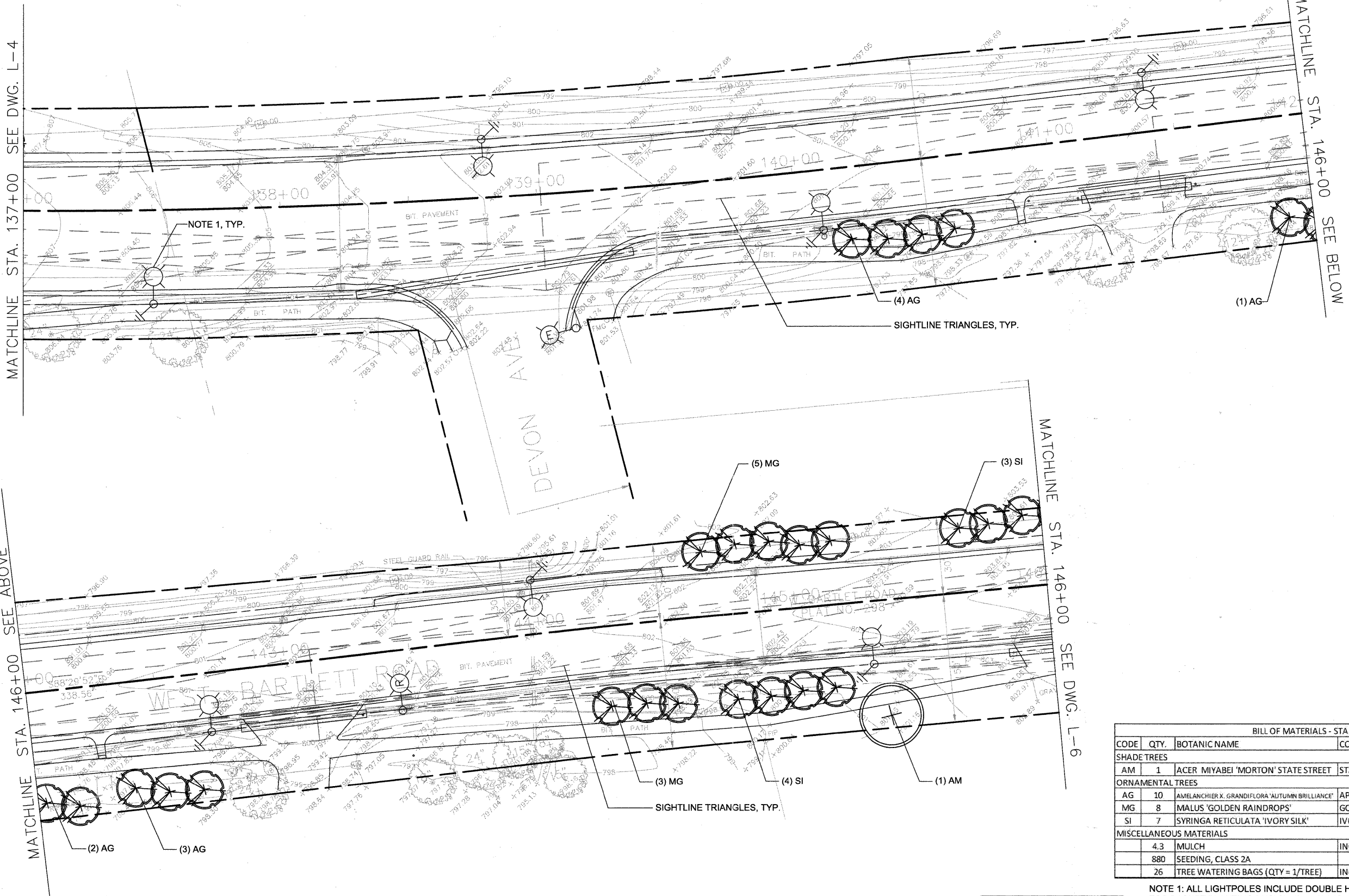


MATCHLINE STA. 137+00 SEE DWG. L-4

MATCHLINE STA. 146+00 SEE BELOW

MATCHLINE STA. 146+00 SEE ABOVE

MATCHLINE STA. 146+00 SEE DWG. L-6



NOTE 1, TYP.

SIGHTLINE TRIANGLES, TYP.

SIGHTLINE TRIANGLES, TYP.

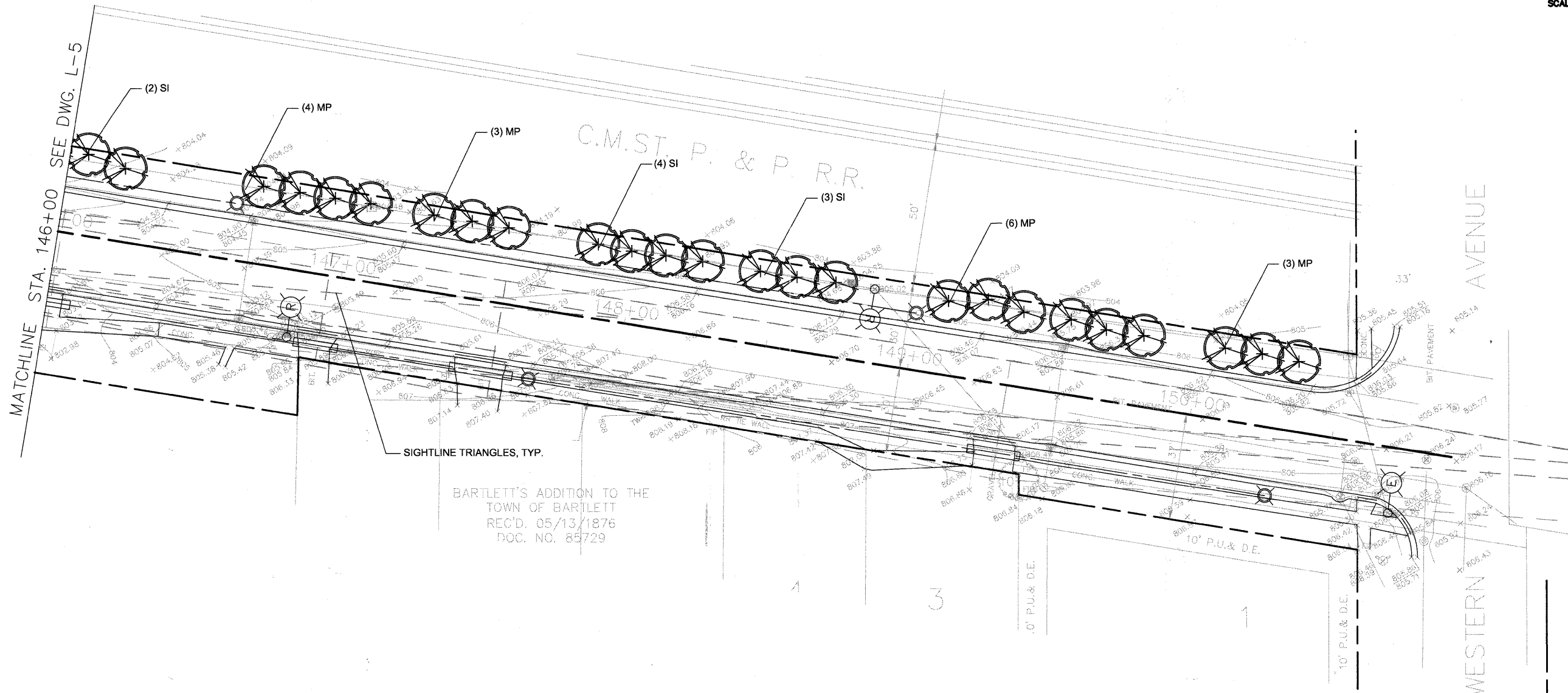
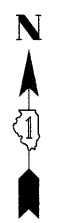
SYMBOLS KEY

- SHADE TREE
- ORNAMENTAL TREE
- BIKE NODE PAVING, BY OTHERS.
- NEW LIGHT POLE WITH BASKETS WITH ELEC. CONDUIT
- EXISTING LIGHT POLE (SEE CIVIL PLANS)
- EXISTING LIGHT POLE (SEE CIVIL PLANS)
- NEW LIGHT POLE WITH BASKETS (SEE CIVIL PLANS)

BILL OF MATERIALS - STA. 137+00 TO STA. 146+00						
CODE	QTY.	BOTANIC NAME	COMMON NAME	SIZE	REMARK	UNIT
<b>SHADE TREES</b>						
AM	1	ACER MIYABEI 'MORTON' STATE STREET	STATE STREET MIYABE MAPLE	2.5"	B/B	EA.
<b>ORNAMENTAL TREES</b>						
AG	10	AMELANCHIER X. GRANDIFLORA 'AUTUMN BRILLIANCE'	APPLE SERVICEBERRY	2"	B/B	EA.
MG	8	MALUS 'GOLDEN RAINDROPS'	GOLDEN RAINDROPS CRABAPPLE	2.5"	B/B	EA.
SI	7	SYRINGA RETICULATA 'IVORY SILK'	IVORY SILK JAPANESE TREE LILAC	2"	B/B	EA.
<b>MISCELLANEOUS MATERIALS</b>						
	4.3	MULCH	INCLUSIVE TO PLANTING			CY
	880	SEEDING, CLASS 2A				SY
	26	TREE WATERING BAGS (QTY = 1/TREE)	INCLUSIVE TO PLANTING			EA.

NOTE 1: ALL LIGHTPOLES INCLUDE DOUBLE HANGING BASKETS AND PLANTING. SEE SHEET 30 FOR BASKET PLANTING DESIGN, PAY ITEMS, AND QUANTITIES.

CALL 1-800-892-0123  
48 Hours (2 working days) Before You Dig.



**SYMBOLS KEY**

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- EXISTING LIGHT POLE (SEE CIVIL PLANS)
- NEW LIGHT POLE WITH BASKETS (SEE CIVIL PLANS)

BILL OF MATERIALS - STA. 146+00 TO STA. 150+92					
CODE	QTY.	BOTANIC NAME	COMMON NAME	SIZE	REMARK UNIT
ORNAMENTAL TREES					
MP	16	MALUS 'PURPLE PRINCE'	PURPLE PRINCE CRABAPPLE	2.5"	B/B EA.
SI	9	SYRINGA RETICULATA 'IVORY SILK'	IVORY SILK JAPANESE TREE LILAC	2"	B/B EA.
MISCELLANEOUS MATERIALS					
	4.2	MULCH	INCLUSIVE TO PLANTING		CY
	406	SEEDING, CLASS 2A	INCLUSIVE TO PLANTING		SY
	25	TREE WATERING BAGS (QTY = 1/TREE)	INCLUSIVE TO PLANTING		EA.

**CALL** 1-800-892-0123  
48 Hours (2 working days) Before You Dig.  
J.U.L.I.E.

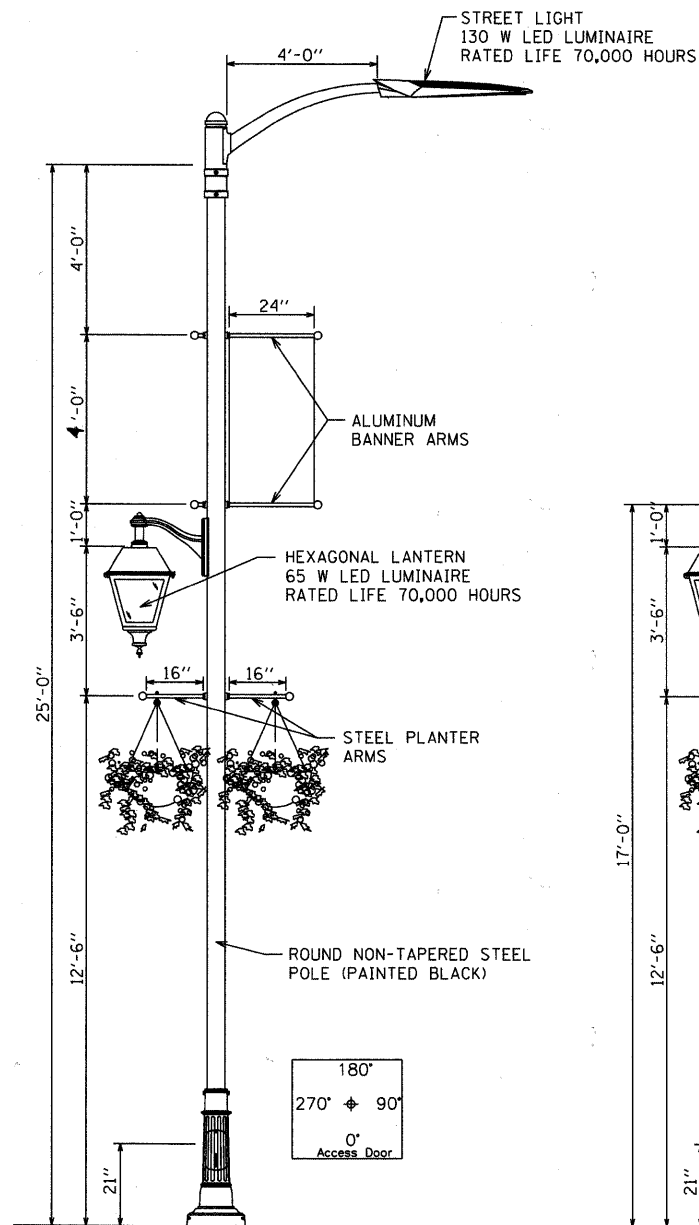
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			CHECKED -- GC	REVISED --
			DATE -- 12-22-10	REVISED --

**WEST BARTLETT ROAD  
STREETSCAPE**

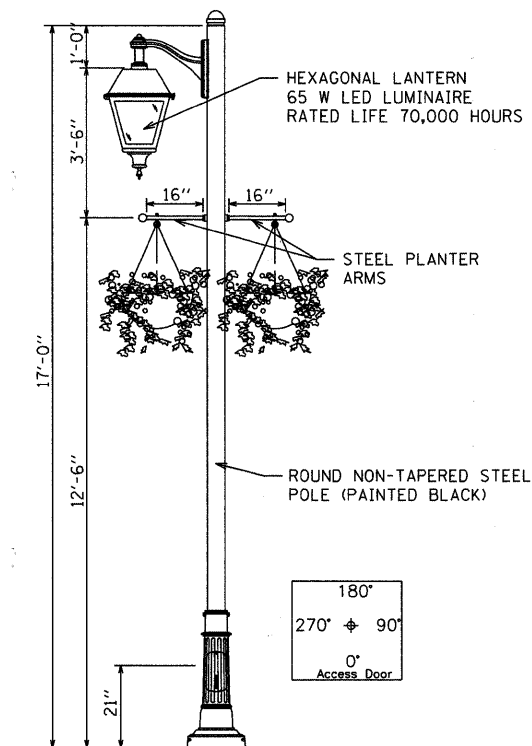
**LANDSCAPE PLAN**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1344	10-00085-00-LT	COOK	30	24
CONTRACT NO. 63512				

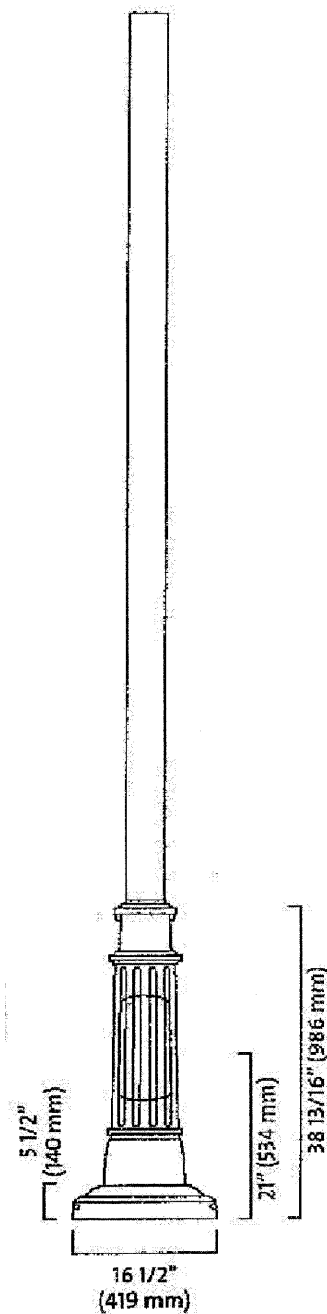




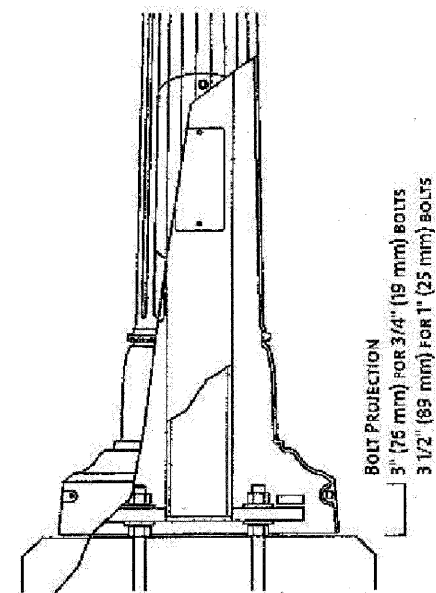
LIGHT POLE DETAIL



LIGHT POLE DETAIL

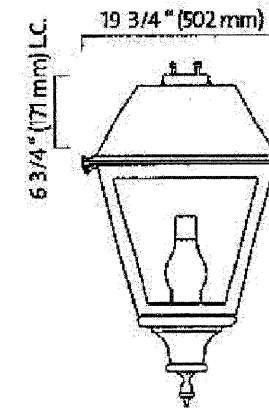


LIGHT POLE BASE DETAIL

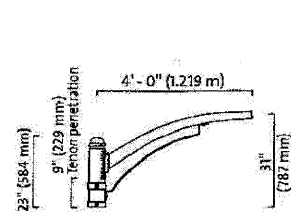


WIREWAY 3 5/16" (84 mm)

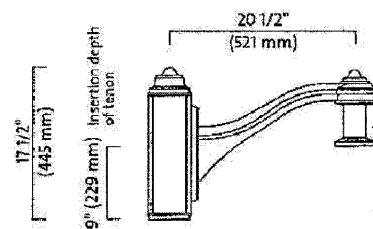
BOLT CIRCLE 12 1/2" (318 mm)



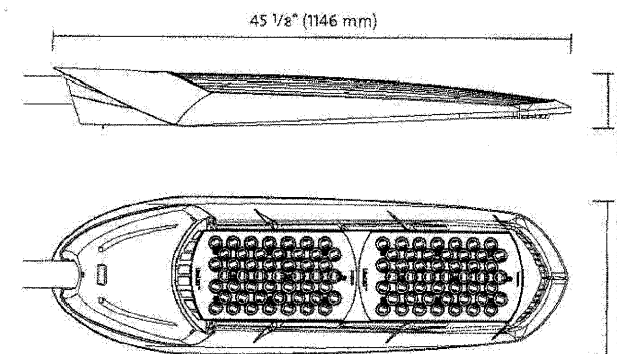
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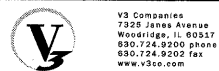
STREET ARM DETAIL



LANTERN ARM DETAIL



STREET LIGHT



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PLOT SCALE = #SCALE#  
PLOT DATE = 1/7/2011

DESIGNED - HEV  
DRAWN - DRP  
CHECKED - MJR  
DATE - 12-22-10

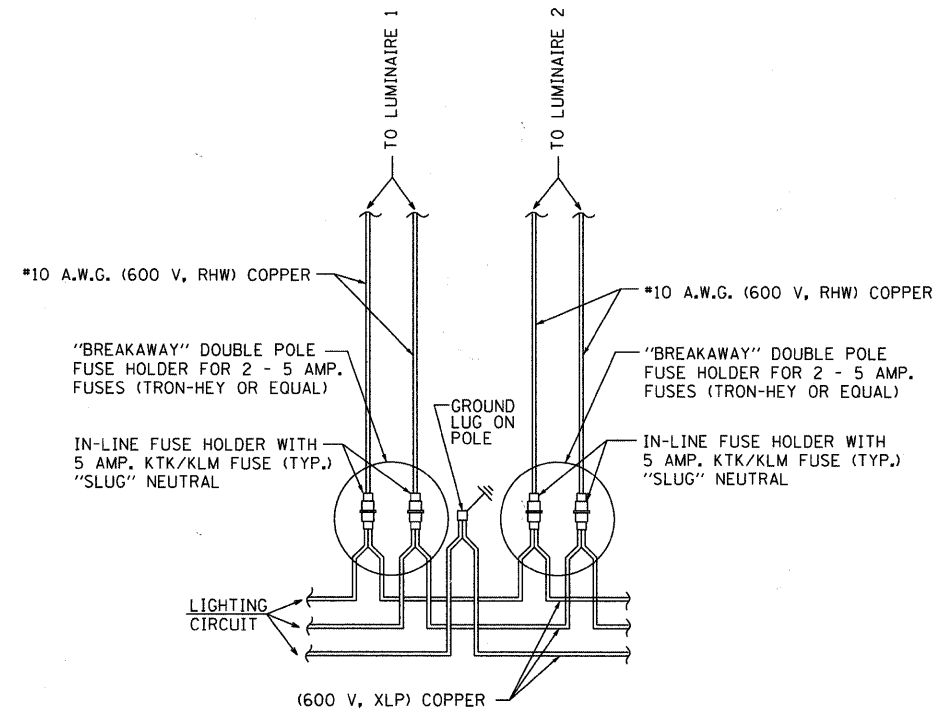
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WEST BARTLETT ROAD  
STREETSCAPE

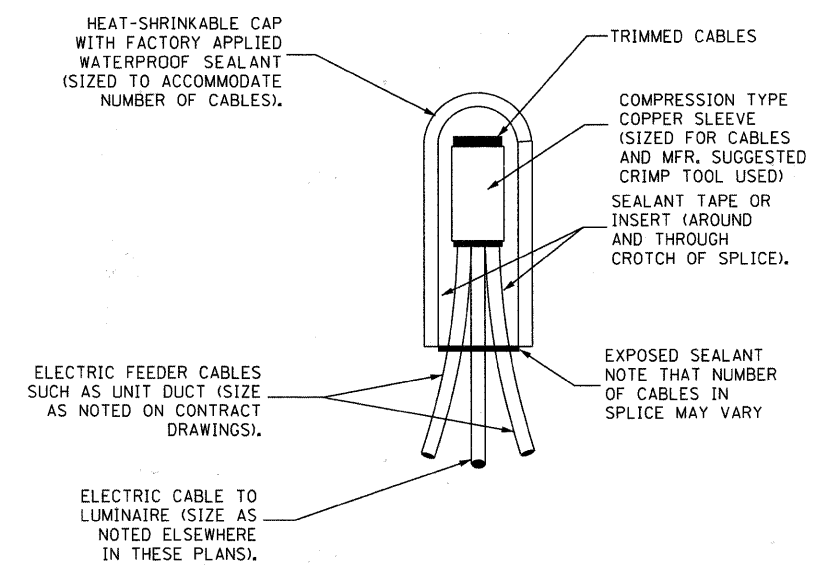
CONSTRUCTION DETAILS  
STREET LIGHT POLE

SCALE: NONE SHEET NO. 1 OF 4 SHEETS

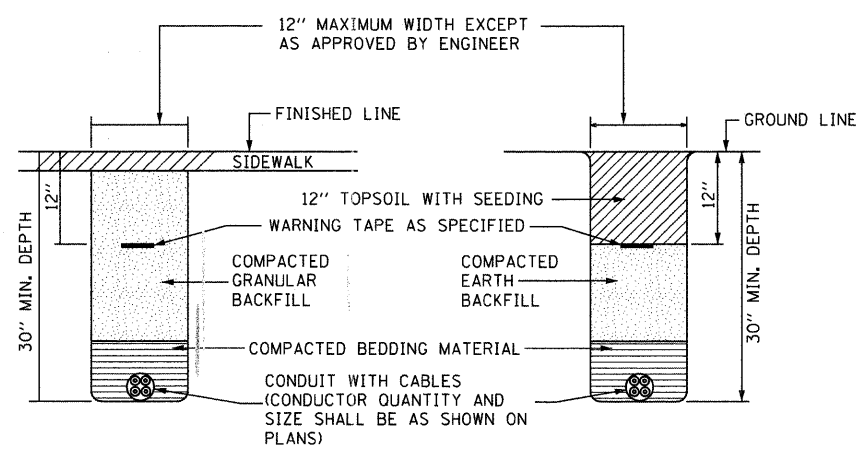
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00068-00-LT	COOK	30	25
CONTRACT NO. 63512			ILLINOIS FED. AID PROJECT	



LIGHT POLE WIRING



SPLICING ELECTRIC CABLES  
BASIC MATERIALS & METHODS



CONDUIT TRENCH BACKFILL DETAIL



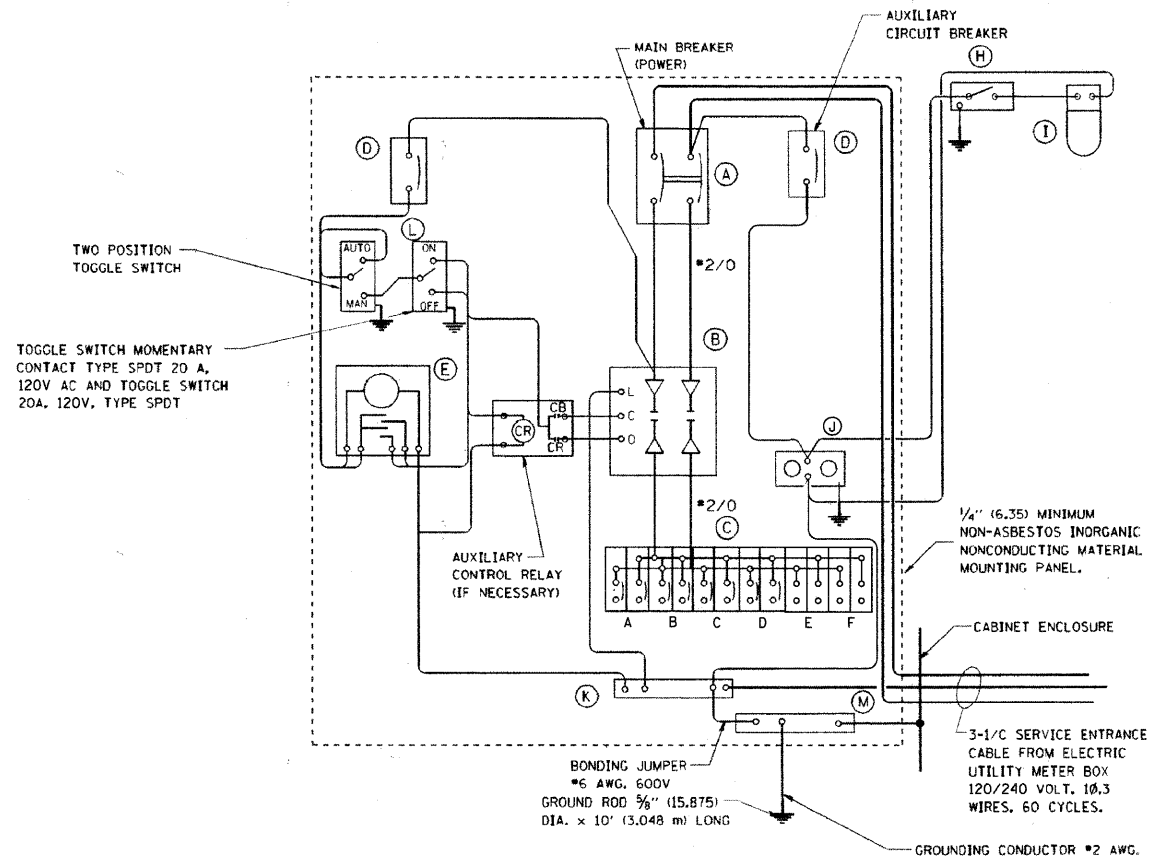
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PLOT SCALE = \$SCALE\$	DRAWN - DRP	REVISED -
PLOT DATE = 1/7/2011	CHECKED - MJR	REVISED -
	DATE - 12-22-10	REVISED -

**WEST BARTLETT ROAD  
STREETSCAPE**

**CONSTRUCTION DETAILS  
MISCELLANEOUS ELECTRICAL**

SCALE: NONE SHEET NO. 2 OF 4 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00068-00-LT	COOK	30	26
			CONTRACT NO. 63512	
ILLINOIS FED. AID PROJECT				



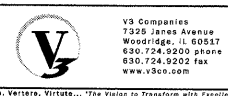
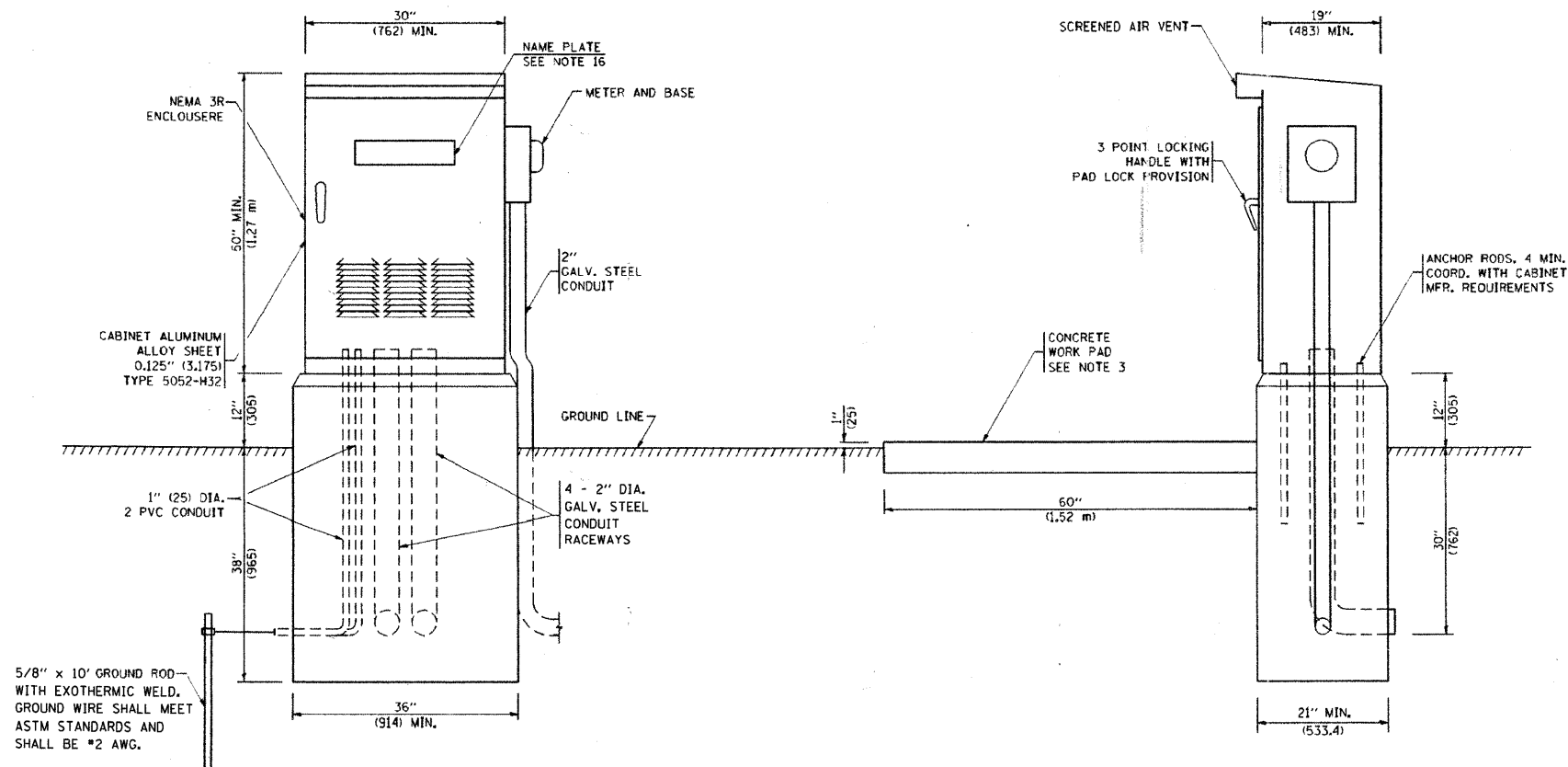
PANEL WIRING DIAGRAM

PANEL EQUIPMENT

BILL OF MATERIAL		
ITEM	QUANTITY	DESCRIPTION
A	1	MAIN CIRCUIT BREAKER, 2 POLE, 600 VOLT 100 AMP. FRAME, 100 AMP. NON-INTERCHANGEABLE TRIP, INTERRUPTING RATING NEMA-22000 AMP. AT 240 VOLT.
B	1	REMOTE CONTROL SWITCH, ELECTRICALLY OPERATED, MECHANICALLY HELD, 2 POLE, SINGLE THROW, 100 AMP., 600 VOLTS CONTROL CIRCUIT 120 VOLT.
C	6	CIRCUIT BREAKERS, 2 POLE, 100AMP. FRAME, 30 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-10,000 AMP. AT 240 V.
D	2	CONTROL CIRCUIT-CIRCUIT BREAKER, 1 POLE, 120 V., 100 AMP. FRAME, 15 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-5000 AMP. AT 120 V.
E	1	INTERMATIC MODEL NO. ET173C CONTROLLER (TIME SWITCH WIRED IN SERIES WITH PHOTOCELL) WITH PHOTOCELL MOUNTED IN VENT SLOTS OF CABINETS OVERHANG.
H	1	SPST 20A SWITCH ON DOOR, TO TURN LIGHT ON WHEN DOOR IS OPEN.
I	1	INCANDESCENT LIGHTING FIXTURE ENCLOSED AND GASKETED WITH 60 WATT, 120 V. LAMP.
J	1	20 A., 120 V., DUPLEX RECEPTACLE, GFCI.
K	1	COPPER NEUTRAL BUS 1/4" (6.35) X 1" (25.4) X 12" (304.8 mm) LONG MOUNTED ON PANEL WITH LUGS AND 4 SPARE LUGS
L	2	TOGGLE SWITCHES MOUNTED IN 4" (101.6) X 4" (101.6 mm) BOX.
M	1	COPPER GROUND BUS 1/4" (6.35) X 1" (25.4) X 12" (304.8 mm) LONG MOUNTED ON PANEL WITH LUGS AND SPARE LUGS

NOTES:

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- FOUNDATION SIZE SHALL BE COORDINATED WITH CABINET SIZE AND MFR.
- IN FRONT OF CONTROL CABINET DOOR, REMOVE VEGETATION AND 2" (50.8 mm) TOP SOIL, LEVEL THE AREA AND ON TOP, PLACE LENGTH WISE PARALLEL TO CONTROL CABINET, A CONCRETE PAD 36" (914.4 mm) x 60" (1524 mm) x 4" (101 mm) MIN. SIZE. THE COST OF LABOR AND MATERIALS ARE INCLUDED IN THE COST OF THE CONTROLLER.
- DOOR SHALL BE CONSTRUCTED FROM SAME TYPE OF MATERIAL AND THICKNESS AS CABINET.
- DOOR SHALL BE EQUIPPED WITH THREE POINT LATCHING MECHANISM WITH NYLON ROLLERS AT TOP THE BOTTOM.
- DOOR HINGE SHALL BE A HEAVY GAUGE CONTINUOUS HINGE WITH A 1/4" (6.35 mm) DIA. STAINLESS STEEL HINGE PIN.
- ALL EXTERNAL HARDWARE SHALL BE STAINLESS STEEL.
- CONTROL WIRING TO BE #12 AWG, 600V, TYPE "SIS" GRAY SWITCH BOARD WIRE, STRANDED COPPER.
- METER BOX SHALL BE MOUNTED ON THE SIDE OF CONTROL CABINET, NEAR TO THE SERVICE POLE.
- CABINETS SHALL BE PRIMED AND PAINTED AS SPECIFIED.
- THE HEADS OF CONNECTORS SCREWS SHALL BE PAINTED WHITE FOR NEUTRAL BAR CONNECTION AND GREEN FOR GROUND BAR CONNECTORS.
- ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED.  
R = RED      BL = BLUE      W = WHITE  
B = BLACK      Y = YELLOW      G = GREEN
- PROVIDE SEALING GROMMETS FOR ALL OPEN WIRING EXTENDED FROM DEVICES IN BOXES OR CABINETS WITHIN THE CONTROL CABINET.
- ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
- THE CONTROLLER SHALL BE CONSTRUCTED TO U.L. STD. 508 AND BEAR THE U.L. LABEL "ENCLOSED INDUSTRIAL CONTROL PANEL".
- 12" (304.8) x 16" (406.4 mm) STAINLESS STEEL EXTERIOR NAMEPLATE SHALL BE ENGRAVED TO "VILLAGE OF BARTLETT LIGHTING CONTROLS" UNLESS OTHERWISE SPECIFIED.
- PHOTOCELL SHOULD CONTROL THE SYSTEM. TIME CLOCK SHOULD HAVE THE ABILITY TO OVERRIDE THE PHOTOCELL.



USER NAME = #USER#  
 PLOT SCALE = #SCALE#  
 PLOT DATE = 1/17/2011

DESIGNED - HEV  
 DRAWN - DRP  
 CHECKED - MJR  
 DATE - 12-22-10

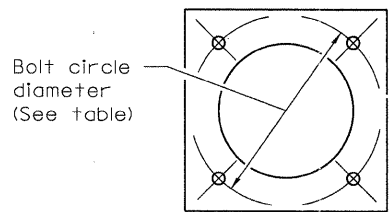
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WEST BARTLETT ROAD  
 STREETSCAPE

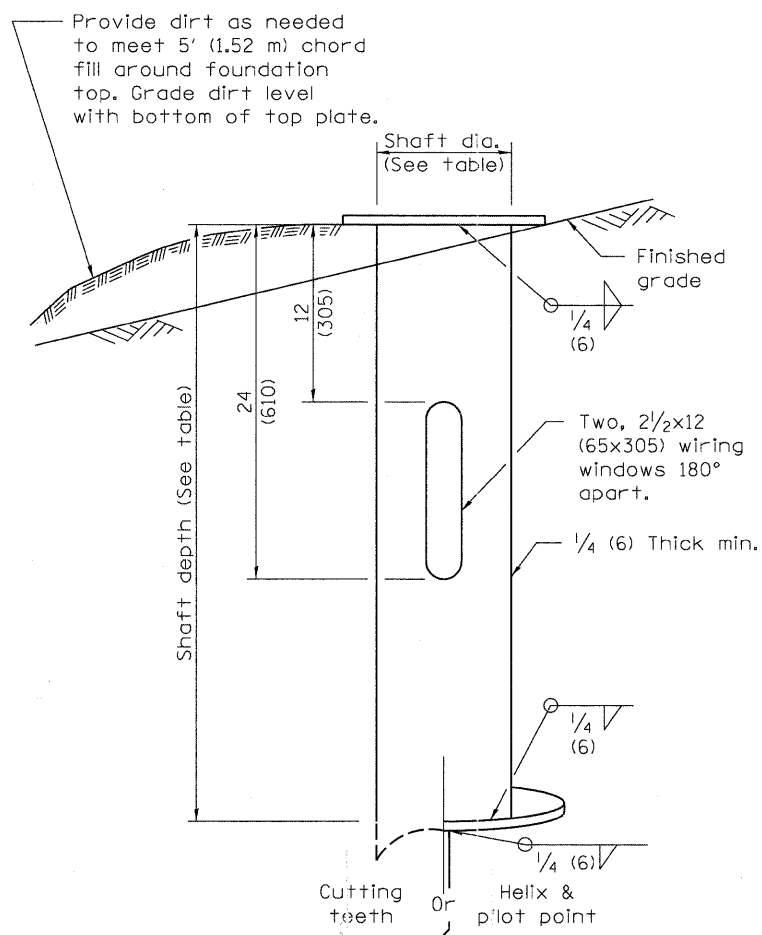
CONSTRUCTION DETAILS  
 LIGHTING CONTROL - SINGLE DOOR

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00068-00-LT	COOK	30	27
CONTRACT NO. 63512				
ILLINOIS FED. AID PROJECT				

SCALE: NONE SHEET NO. 3 OF 4 SHEETS



Wiring window location identification marks shall be notched in side of plate or stamped on top.



**HELIX FOUNDATION SIZE**

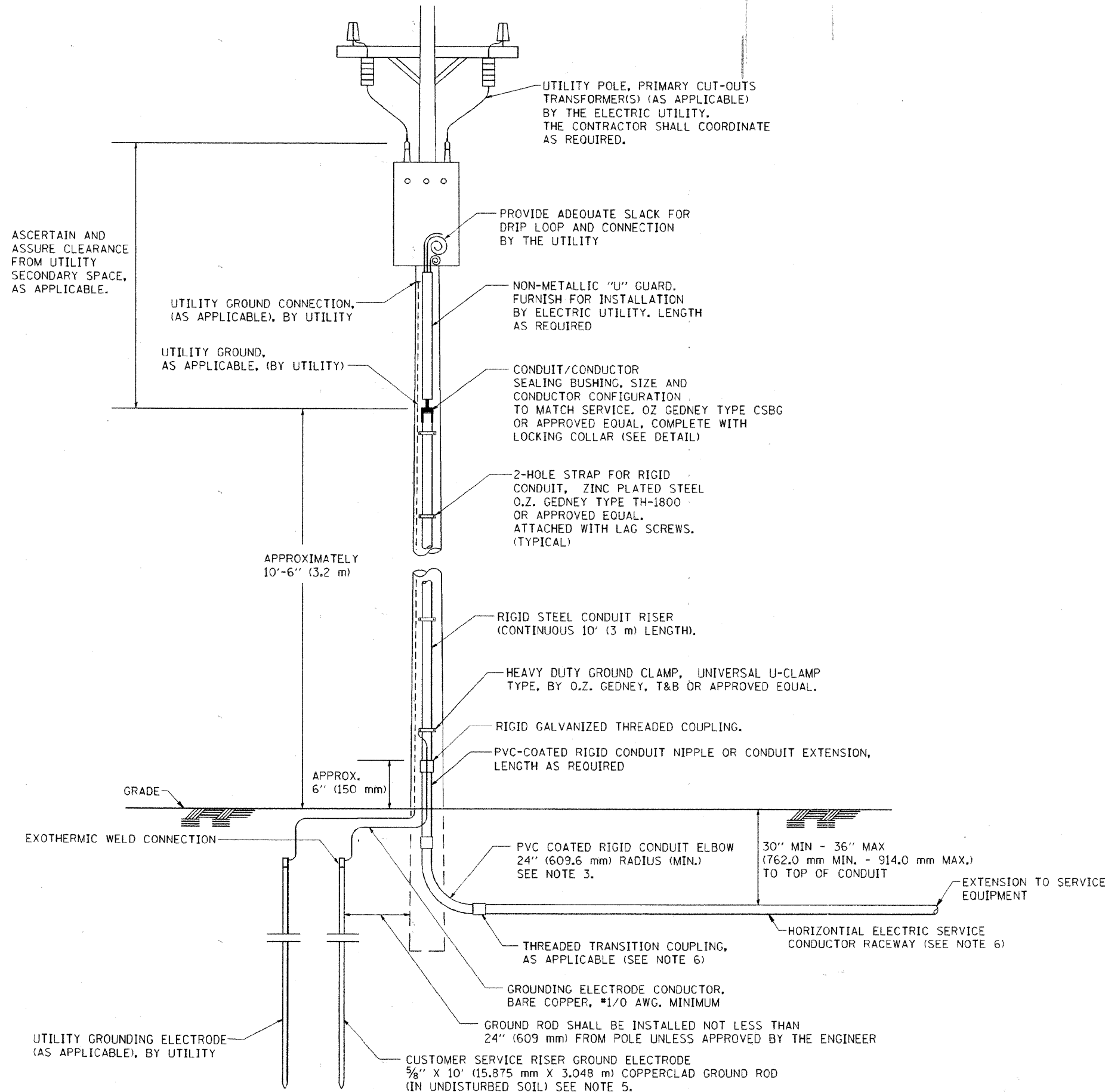
POLE MOUNTING HEIGHT	BOLT CIRCLE	SHAFT DIAMETER	SHAFT LENGTH	BASEPLATE
25 FT.	12 1/2"	8 3/4"	6 FT.	18"x18"x1/4"

**METAL HELIX FOUNDATION MATERIALS**

ITEM	MATERIAL REQUIREMENT
BASEPLATE	AASHTO M 270M, GRADE 36 (M270M, GRADE 250)
SHAFT	ASTM A 252, GRADE 2 (PHOSPHOROUS 0.04% MAXIMUM, SULFUR 0.05% MAXIMUM)
HELIX SCREW	AASHTO M 183 (ASTM A 635)
PILOT POINT	AASHTO M 270 (ASTM A 575)
ANCHOR RODS/STUDS	AASHTO M 314 (ASTM F 1554)
HEXAGON NUTS	AASHTO M 291M (ASTM A 563) GRADE DH, OR AASHTO M 292 (ASTM A 194) GRADE 2H
WASHERS	AASHTO M 293 (ASTM F 436)

**Notes:**

- All dimensions are in inches (millimeters) unless otherwise shown.
- All foundations are designed to be located on slopes not exceeding 2:1 where soils have an unconfined compressive strength of at least 1.0 TSF. The Contractor shall monitor installation resistance of metal foundations and notify the Engineer if other conditions are encountered.
- All material shall be galvanized according to AASHTO M111, unless otherwise specified.
- All welds shall be continuous and not less than 1/4" (6.35 mm) fillet welds. The welded foundation shall be capable of withstanding 10,000 FT/LBS (13558.18 n.m.) of installation torque applied about the axis of the foundation.
- The helix foundation shaft shall be installed vertical and the base plate shall be in level.
- The cable trench shall be backfilled and firmly compacted before the installation of the light pole.
- Any voids within the metal foundation shall be filled with fine aggregate.
- Metal foundations shall be installed in undisturbed soil. Pre-drilling a pilot hole and/or backfilling around the foundation is not allowed.
- The metal foundation shall not be installed to a torque which exceeds the manufacturer's maximum torque rating nor shall it be installed to an installation torque value or less than 3,500 FT LB (4,750 KNM). Metal foundations that are not installed to full installation depth or do not achieve the minimum installation torque shall be removed and replaced with a concrete foundation at no additional cost.
- The base plate shall be perpendicular to the shaft axis ( $\pm 1^\circ$ ) and the hole centerline shall be concentric ( $\pm 0.188$ ) to the shaft axis.
- The pilot point and shaft axis shall be concentric ( $\pm 0.125$ ) and in line ( $\pm 2^\circ$ ).
- The base plate shall be stamped with the manufacturer's name and date of manufacture.
- All light poles shall be grounded to the metal foundations.



ASCERTAIN AND ASSURE CLEARANCE FROM UTILITY SECONDARY SPACE, AS APPLICABLE.

UTILITY POLE, PRIMARY CUT-OUTS TRANSFORMER(S) (AS APPLICABLE) BY THE ELECTRIC UTILITY. THE CONTRACTOR SHALL COORDINATE AS REQUIRED.

PROVIDE ADEQUATE SLACK FOR DRIP LOOP AND CONNECTION BY THE UTILITY

UTILITY GROUND CONNECTION, (AS APPLICABLE), BY UTILITY

NON-METALLIC "U" GUARD, FURNISH FOR INSTALLATION BY ELECTRIC UTILITY. LENGTH AS REQUIRED

UTILITY GROUND, AS APPLICABLE, (BY UTILITY)

CONDUIT/CONDUCTOR SEALING BUSHING, SIZE AND CONDUCTOR CONFIGURATION TO MATCH SERVICE, O.Z. GEDNEY TYPE CSBG OR APPROVED EQUAL, COMPLETE WITH LOCKING COLLAR (SEE DETAIL)

2-HOLE STRAP FOR RIGID CONDUIT, ZINC PLATED STEEL O.Z. GEDNEY TYPE TH-1800 OR APPROVED EQUAL. ATTACHED WITH LAG SCREWS. (TYPICAL)

APPROXIMATELY 10'-6" (3.2 m)

RIGID STEEL CONDUIT RISER (CONTINUOUS 10' (3 m) LENGTH).

HEAVY DUTY GROUND CLAMP, UNIVERSAL U-CLAMP TYPE, BY O.Z. GEDNEY, T&B OR APPROVED EQUAL.

RIGID GALVANIZED THREADED COUPLING.

PVC-COATED RIGID CONDUIT NIPPLE OR CONDUIT EXTENSION, LENGTH AS REQUIRED

APPROX. 6" (150 mm)

GRADE

EXOTHERMIC WELD CONNECTION

PVC COATED RIGID CONDUIT ELBOW 24" (609.6 mm) RADIUS (MIN.) SEE NOTE 3.

30" MIN - 36" MAX (762.0 mm MIN. - 914.0 mm MAX.) TO TOP OF CONDUIT

EXTENSION TO SERVICE EQUIPMENT

THREADED TRANSITION COUPLING, AS APPLICABLE (SEE NOTE 6)

HORIZONTAL ELECTRIC SERVICE CONDUCTOR RACEWAY (SEE NOTE 6)

GROUNDING ELECTRODE CONDUCTOR, BARE COPPER, #1/0 AWG. MINIMUM

GROUND ROD SHALL BE INSTALLED NOT LESS THAN 24" (609 mm) FROM POLE UNLESS APPROVED BY THE ENGINEER

UTILITY GROUNDING ELECTRODE (AS APPLICABLE), BY UTILITY

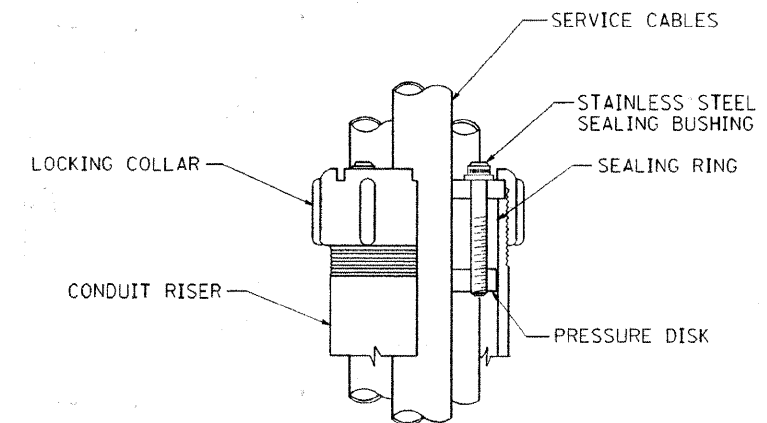
CUSTOMER SERVICE RISER GROUND ELECTRODE 5/8" X 10' (15.875 mm X 3.048 m) COPPERCLAD GROUND ROD (IN UNDISTURBED SOIL) SEE NOTE 5.

**APPLICATION**

THIS DETAIL APPLIES FOR LOW VOLTAGE ELECTRIC SERVICE (660 V OR LESS) FROM AN OVERHEAD UTILITY SUPPLY TO SEPERATLY-MOUNTED SERVICE EQUIPMENT.

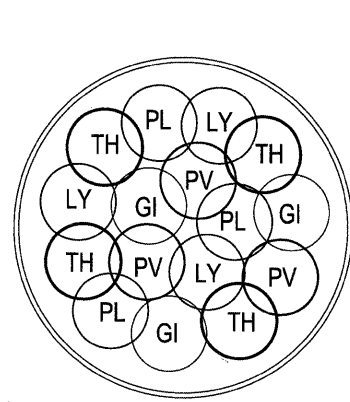
**NOTES**

- SERVICE VOLTAGE SHALL BE AS INDICATED ELSEWHERE IN THE DRAWINGS.
- UNLESS OTHERWISE INDICATED, ITEMS AND WORK SHALL BE INCLUDED AND PAID AS PART OF THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.
- CONDUIT AND CONNECTOR DIAMETER SHALL MATCH THE DIAMETER OF THE SERVICE CONDUCTOR RACEWAY AS INDICATED ON THE PLANS.
- PVC COATED RACEWAYS AND ACCESSORIES SHALL BE CAREFULLY INSTALLED WITH MFR RECOMMENDED TOOLS AND PROCEDURES TO AVOID DAMAGE. ANY DAMAGE SHALL BE REPAIRED WITH COMPATIBLE PVC TOUCH-UP MATERIAL TO THE SATISFACTION OF THE ENGINEER OR THE DAMAGED MATERIAL SHALL BE REPLACED AT NO ADDITIONAL COST.
- THE CONTRACTOR SHALL OBTAIN INSPECTION AND APPROVAL BY THE ENGINEER OF SERVICE RISER GROUND ELECTRODE, RISER ELBOW, NIPPLE AND CONNECTION TO SERVICE CONDUCTOR RACEWAY EXTENSION BEFORE BACKFILL AND SHALL ALSO OBTAIN INSPECTION OF SERVICE RISER AND SEALING BUSHING BEFORE UTILITY "U" GUARD INSTALLATION AND SERVICE CONNECTION.
- THE HORIZONTAL ELECTRIC SERVICE CONDUCTOR RACEWAY SHALL BE AS INDICATED AND SHALL BE MEASURED SEPARATELY FOR PAYMENT. WHEN THE RACEWAY IS PVC-COATED RIGID GALVANIZED STEEL, THE COUPLING SHALL BE THE SAME. WHEN THE RACEWAY IS PVC CONDUIT (IN CONCRETE), THE COUPLING SHALL BE A METALIC TO NON METALIC ADAPTER. WHEN THE RACEWAY IS ENCASED IN CONCRETE, THE CONCRETE SHALL EXTEND TO COVER THE COUPLING.
- PLANS AND DETAILS INDICATE THE GENERAL NATURE AND REQUIREMENTS. THEY DO NOT SHOW EVERY ACCESSORY AND ATTACHMENT, AND THEY DO NOT RELIEVE THE CONTRACTOR OF THE REQUIREMENTS OF THE SPECIFICATIONS AND SPECIAL PROVISIONS TO ASCERTAIN UTILITY REQUIREMENTS AND TO COORDINATE ACCORDINGLY, FURNISHING ALL ITEMS AND WORK NOT PROVIDED BY THE UTILITY, BUT NECESSARY FOR A COMPLETE SERVICE INSTALLATION IS REQUIRED AND SHALL BE INCLUDED IN THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.

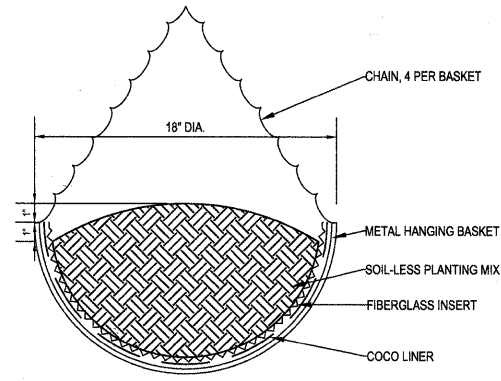


**SEALING BUSHING DETAIL**

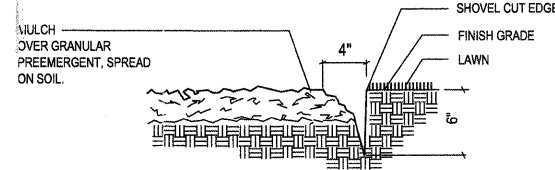
FILE NAME = W:\diststd\22-34\ba220.dgn	USER NAME = goglianobt	DESIGNED - DRAWN -	REVISED - 03-03-06 REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ELECTRIC SERVICE INSTALLATION AERIAL REMOTE DISCONNECT</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.0000' / IN.	CHECKED - MEA	REVISED -					10-00085-00-LT	COOK	30	29	
	PLOT DATE = 1/4/2008	DATE -	REVISED -					BE-220		CONTRACT NO. 63512		
				SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



PLAN



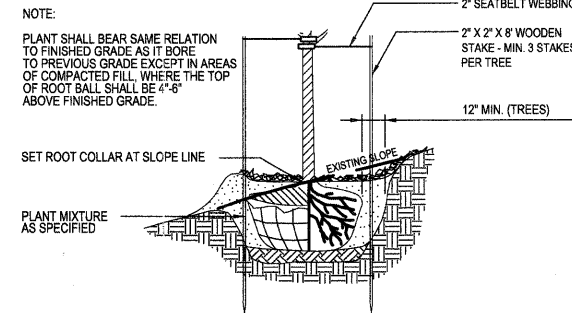
SECTION



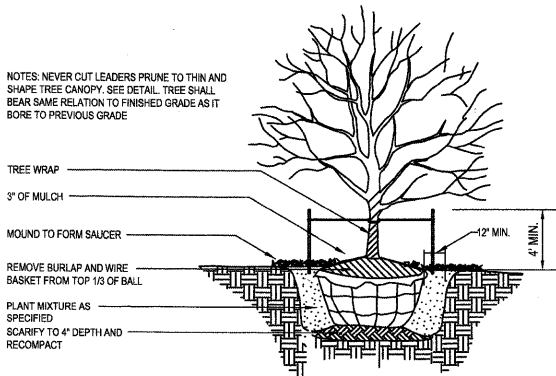
2 SPADED EDGE  
SCALE: N.T.S.

1 PLANTER BASKET PLANTING, TYP. OF 70 BASKETS (35 POLES)  
SCALE: N.T.S.

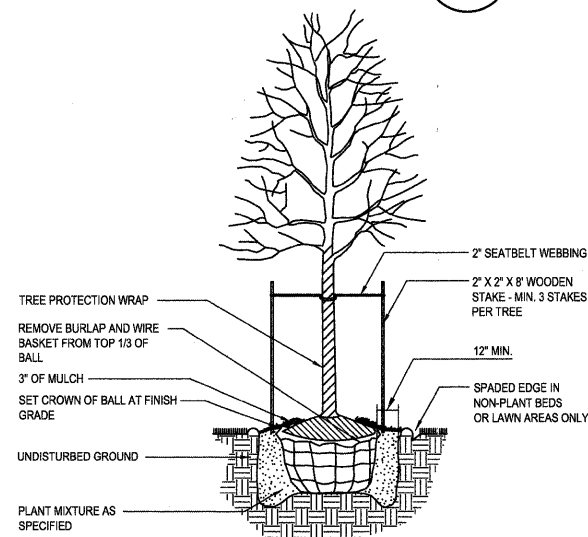
BILL OF MATERIALS - HANGING BASKET - EACH (TYP. OF 70) - SUMMER PLANTING						
CODE	QTY.	BOTANIC NAME	COMMON NAME	SIZE	REMARK	UNIT
<b>ANNUALS</b>						
GI	3	GIBASIS GENICULATA	TAHITIAN BRIDAL VINE	4" POT		EA.
LY	3	LYSIMACHIA NUMMULARIA 'AUREA'	MONEYWORT	4" POT		EA.
PV	3	PETUNIA X HYBRIDA	PETCHOA SUPER CAL VELVET	4" POT		EA.
PL	3	PETUNIA X HYBRIDA	PETUNIA MINI ME LILAC VINE	4" POT		EA.
TH	4	THUNBERGIA ALATA SUSIE WHITE BLACK EYE	WHITE FLOWER BLACK EYED SUSAN VINE	4" POT		EA.
<b>MISCELLANEOUS MATERIALS</b>						
	1	BASKET PLANTER, 18"				EA.
	1	BASKET PLANTER LINER, 18"				EA.
	1	SOIL PLANTING MIXTURE	SOIL-LESS PLANTING MIX			CF



3 TREE PLANTING ON SLOPE  
SCALE: N.T.S.



4 ORNAMENTAL TREE  
SCALE: N.T.S.



5 SHADE TREE  
SCALE: N.T.S.

**LANDSCAPE NOTES:**

1. AN AUTOCAD FILE WILL BE PROVIDED TO THE CONTRACTOR FOR USE IN LAYOUT AND STAKING ALL PLANT MATERIALS.
2. CONTRACTOR IS RESPONSIBLE FOR BECOMING FAMILIAR WITH THE EXISTING CONDITIONS. SHOULD ANY DISCREPANCIES, CONFLICTS, OR CONDITIONS THAT MAY BE HARMFUL TO THE HEALTH OF PLANT MATERIAL BE DISCOVERED, THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE RESIDENT ENGINEER IMMEDIATELY UPON DISCOVERY OF SUCH CONDITION.
3. ELECTRICAL CONDUIT RUNS FOR LIGHTPOLE INSTALLATION WHICH ARE SHOWN WITHIN THE DRAWINGS ARE SCHEMATIC IN NATURE ONLY. ELECTRICAL CONTRACTOR AND LANDSCAPE CONTRACTOR SHALL COORDINATE INSTALLATION AND ALIGNMENT OF CONDUIT RUNS SO AS NOT TO CONFLICT WITH TREE PLANTING LOCATIONS AND OTHER BURIED UTILITIES.
4. CONTRACTOR SHALL STAKE ALL TREE LOCATIONS WITH 2" X 2" WOOD STAKES, CLEARLY MARKED WITH NAME OF TREE AND SIZE. CONTRACTOR IS RESPONSIBLE FOR CONTACTING RESIDENT ENGINEER WHEN STAKING IS COMPLETE. ALL STAKING LOCATIONS WILL BE REVIEWED BY RESIDENT ENGINEER AND LANDSCAPE ARCHITECT, AND MUST BE APPROVED PRIOR TO INSTALLATION OF ANY PLANT MATERIAL.
5. ALL TREES SHALL BE SPECIMEN QUALITY, VIGOROUS, DISEASE FREE, STRAIGHT TRUNKED, UNIFORM IN HABIT, AND WITH FIRM ROOTBALLS.
6. FOR STREETSCAPE PLANTING: PROVIDE SHADE TREES WITH MINIMUM 6' CLEARANCE BETWEEN BOTTOM OF TREE CROWN AND ROOTBALL AND ORNAMENTAL TREES WITH MINIMUM 4' CLEARANCE BETWEEN BOTTOM OF TREE CROWN AND TOP OF ROOTBALL.
7. TREE PLANTING DETAILS ARE SHOWN FOR BOTH LEVEL AND SLOPED PLANTING CONDITIONS. WHEN SOIL CONDITIONS CONTAIN HEAVY CLAY SOILS, THE TYPICAL DETAILS SHOWN SHOULD BE ADJUSTED TO SHOW TREES SET UP TO 2" HIGHER THAN SURROUNDING GRADES, WITH THE MAKEUP IN ADDITIONAL TOPSOIL.
8. TREE PLANTING MIX, USED FOR BACKFILL, IS COMPOSED OF 2/3 SALVAGED AND IMPORTED TOPSOILS AND 1/3 COMPOST, MATERIALS AS DEFINED BY IDOT ARTICLE 1081.05.
9. PROVIDE 4' WIDE MULCH RING, CENTERED ON TREE, WITH SPADED EDGE PER DETAIL.
10. MULCH ALL TREES WITH 3" DEPTH OF MULCH. MULCH SHALL BE SHREDDED HARDWOOD BARK MULCH, CLEAN, DEVOID OF ANY DELETERIOUS MATERIALS, WITH NO PARTICLES LARGER THAN 2" IN ANY DIRECTION.
11. WATER EACH TREE UTILIZING DOUBLE HORTICULTURAL TREE WATERING BAGS, SUCH AS GATOR BRAND BAGS, OR APPROVED EQUAL. ALL BAGS WILL BECOME THE PROPERTY OF VILLAGE OF BARTLETT.
12. WRAP ALL TREES IN FALL WITH TREE WRAP MADE OF DOUBLE SIDED CREPE PAPER WITH ASPHALTIC BINDER. TIE OFF WITH JUTE TWINE. REMOVE IN SPRING AFTER ALL DANGER OF FROST.
13. LAWN REPAIR AREAS FROM EXCAVATION AND UTILITIES TRENCHING ARE NOT SHOWN, BUT WILL BE ROUGHLY 4' WIDTH ALONG COURSE OF UNDERGROUND ELECTRIC SERVICE BETWEEN LIGHTPOLES.
14. EACH LIGHTPOLE INCLUDES TWO HANGING BASKETS MOUNTED TO SINGLE LIGHTPOLE. PLANTINGS WITHIN BASKETS ARE ANNUAL PLANTS. CONTRACT CALLS FOR INITIAL YEAR INSTALLATION. FOLLOWING YEAR'S INSTALLATION IS NOT IN CONTRACT, AND WILL BE BY OTHERS.

LANDSCAPE BILL OF MATERIALS - TOTAL							
ART. #	CODE	QTY.	BOTANIC NAME	COMMON NAME	SIZE	REMARK	UNIT
<b>SHADE TREES</b>							
253	AM	8	ACER MIYABEI 'MORTON' STATE STREET	STATE STREET MIYABE MAPLE	2.5"	B/B	EA.
253	QB	8	QUERCUS BICOLOR	SWAMP WHITE OAK	2.5"	B/B	EA.
253	QR	18	QUERCUS RUBRA	RED OAK	2.5"	B/B	EA.
<b>ORNAMENTAL TREES</b>							
253	AG	39	AMELANCHIER X. GRANDIFLORA 'AUTUMN BRILLIANCE'	APPLE SERVICEBERRY	2"	B/B	EA.
253	CC	11	CERCIS CANADENSIS	EASTERN REDBUD	2"	B/B	EA.
253	CG	18	CRATAEGUS CRUS-GALLI VAR. INERMIS	THORNLESS COCKSPUR HAWTHORN	2.5"	B/B	EA.
253	MG	34	MALLUS 'GOLDEN RAINDROPS'	GOLDEN RAINDROPS CRABAPPLE	2.5"	B/B	EA.
253	MP	25	MALLUS 'PURPLE PRINCE'	PURPLE PRINCE CRABAPPLE	2.5"	B/B	EA.
253	MR	16	MALLUS 'ROYAL RAINDROPS'	ROYAL RAINDROPS CRABAPPLE	2.5"	B/B	EA.
253	SI	57	SYRINGA RETICULATA 'IVORY SILK'	IVORY SILK JAPANESE TREE LILAC	2"	B/B	EA.
<b>ANNUALS</b>							
254	GI	210	GIBASIS GENICULATA	TAHITIAN BRIDAL VEIL	4" POT		EA.
254	LY	210	LYSIMACHIA NUMMULARIA 'AUREA'	MONEYWORT	4" POT		EA.
254	PV	210	PETUNIA X HYBRIDA	PETCHOA SUPER CAL VELVET	4" POT		EA.
254	PL	210	PETUNIA X HYBRIDA	PETUNIA MINI ME LILAC VINE	4" POT		EA.
254	TH	280	THUNBERGIA ALATA SUSIE WHITE BLACK EYE	WHITE FLOWER BLACK EYED SUSAN VINE	4" POT		EA.
		1120	TOTAL		11.2 UNITS/100		
<b>MISCELLANEOUS MATERIALS</b>							
253/1081.06		39	MULCH	INCLUSIVE TO PLANTING		3" DEPTH	CY
250		0.9	SEEDING, CLASS 2A				ACRE
		62	BASKET PLANTER, 18"				EA.
		62	BASKET PLANTER LINER, 18"				EA.
1081		2.3	SOIL PLANTING MIXTURE	SOIL-LESS PLANTING MIX			CY
253		234	TREE WATERING BAGS (QTY = 1/TREE)	INCLUSIVE TO PLANTING			EA.

CALL J.U.L.I.E.  
1-800-892-0123  
48 Hours (2 working days) Before You Dig.

FILE NAME =	USER NAME =	DESIGNED -- ET/LV	REVISED --	WEST BARTLETT ROAD STREETSCAPE	DETAILS AND PLANT LIST	F.A. R.T.E. =	SECTION =	COUNTY =	TOTAL SHEETS =	SHEET NO. =	
JJR landscape architecture planning urban design civil engineering environmental science		DRAWN -- ET	REVISED --			1344	10-00085-00-LT	COOK	30	30	
		PLOT SCALE =	CHECKED -- GC			REVISED --	CONTRACT NO. 63512				
		PLOT DATE =	DATE -- 12-22-10			REVISED --	ILLINOIS FED. AID PROJECT				