

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00334-00-SW	McLEAN	14	C1.0



City of Bloomington

DOWNTOWN MAIN STREET BEAUTIFICATION FRONT STREET TO WASHINGTON STREET

McLEAN COUNTY
SECTION 06-00334-00-SW
FUNDING TYPE - FEDERAL
PROJECT NO. TE-00D5(86)
JOB NO. C-95-305-08

INDEX OF SHEETS

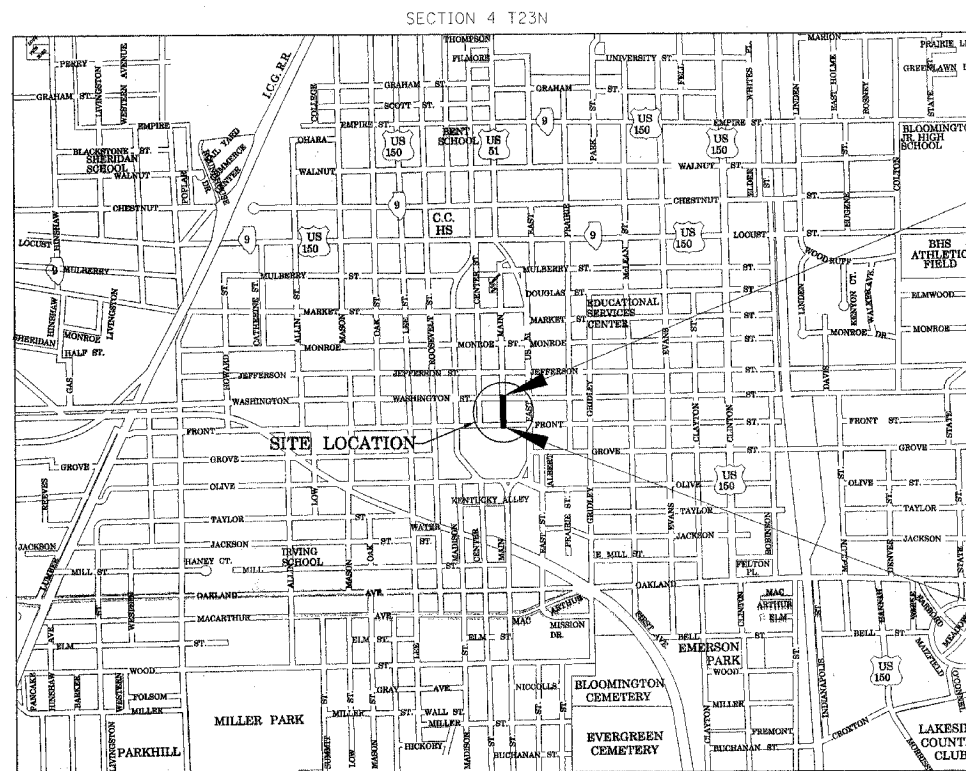
SHEET NO.	TITLE
C1.0	COVER SHEET
C1.1	SUMMARY OF QUANTITIES
C2.0	TYPICAL SECTIONS
C3.0	SCHEDULE OF QUANTITIES
C4.0	DEMOLITION PLAN
C5.0	LAYOUT PLAN
C6.0	GRADING AND EROSION CONTROL PLAN
C7.0	SITE DETAILS
E1.1	ELECTRICAL SITE PLAN
E1.2-E1.3	ELECTRICAL DETAILS
E1.4	ELECTRICAL SPECIFICATIONS
L1.1	SITE AMENITIES PLAN
L2.1	LANDSCAPE DETAILS

STATE STANDARD DETAILS

000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-04	TEMPORARY EROSION CONTROL SYSTEMS
424001-05	CURB RAMPS FOR SIDEWALKS
602301-01	INLET-TYPE A
604006-03	FRAME AND GRATE TYPE 3
604021-01	BASE, FRAME AND LIDS TYPE 5
701501-04	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701801-03	LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901	TRAFFIC CONTROL DEVICES
728001	TELESCOPING STEEL SIGN SUPPORT
780001-01	TYPICAL PAVEMENT MARKINGS

BENCHMARKS:

1. TOP OPERATING NUT OF FIRE HYDRANT AT NORTH EAST CORNER OF MAIN STREET AND WASHINGTON STREET. U.S.G.S. ELEV.=825.03
2. "X" ON CENTER CAP BOLT OF FIRE HYDRANT AT NORTHEAST CORNER OF CENTER STREET AND WASHINGTON STREET U.S.G.S. ELEV.=824.79
3. TOP OPERATING NUT OF FIRE HYDRANT AT SOUTHEAST CORNER OF CENTER STREET AND JEFFERSON STREET U.S.G.S. ELEV.=827.46
4. TOP OPERATING NUT OF FIRE HYDRANT AT SOUTHEAST CORNER OF MAIN STREET AND JEFFERSON STREET U.S.G.S. ELEV.=824.80
5. U.S.G.S. DISK IN EAST FACE OF McLEAN COUNTY MUSEUM OF HISTORY. U.S.G.S. ELEV.=829.08



LOCATION MAP

ADT-2410 FUNCTIONAL CLASSIFICATION
MAIN STREET - LOCAL ROAD

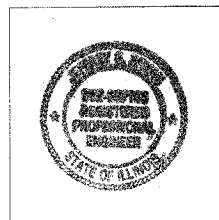
APPROVED	<u>March 19</u>	20 <u>08</u>
<i>Engle M. Stinson</i> CITY ENGINEER		
PASSED	<u>3/19</u>	20 <u>08</u>
<i>Dan A. Seal</i> DISTRICT FIVE ENGINEER OF LOCAL ROADS & STREETS		
RELEASING FOR BID BASED ON LIMITED REVIEW	<u>3/25</u>	20 <u>08</u>
<i>Joseph E. Conroy</i> DEPUTY DIRECTOR OF HIGHWAYS, REGION THREE ENGINEER		
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS: CONTRACTORS SHALL CALL THE TOLL FREE J.U.L.I.E. TELEPHONE NUMBER, 1-800-892-0123, BEFORE STARTING EXCAVATION. ALLOW 48 HOURS FOR OTHER THAN EMERGENCY ASSISTANCE.

CONTACTS

OWNER
BRIAN BRAKEBILL
CITY OF BLOOMINGTON
109 E. OLIVE - P.O. BOX 3157
BLOOMINGTON, ILLINOIS 61701
PHONE (309) 434-2322

ENGINEER
JEFFREY G. BRYAN
FARNSWORTH GROUP
2709 MCGRAW DRIVE
BLOOMINGTON, ILLINOIS 61704
PHONE (309) 663-8435



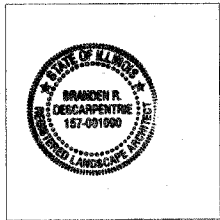
I HEREBY CERTIFY THAT THE PORTION OF THIS TECHNICAL SUBMISSION DESCRIBED BELOW WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND RESPONSIBLE CHARGE. I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF ILLINOIS.

SIGNATURE: Jeffrey G. Bryan
JEFFREY G. BRYAN, P.E.

DATE: 3/17/2008

ILLINOIS LICENSE EXPIRES: 11/30/09

PAGES OR DIVISION COVERED BY THIS CERTIFICATION: CIVIL



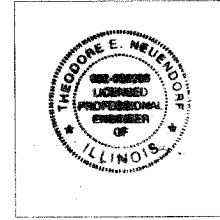
I HEREBY CERTIFY THAT THE PORTION OF THIS TECHNICAL SUBMISSION DESCRIBED BELOW WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND RESPONSIBLE CHARGE. I AM A DULY LICENSED LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF ILLINOIS.

SIGNATURE: Brandon R. Descarpentrie
BRANDEN R. DESCARPENTRIE

DATE: March 17, 2008

ILLINOIS LICENSE EXPIRES: August 24, 2009

PAGES OR DIVISION COVERED BY THIS CERTIFICATION: LANDSCAPE



I HEREBY CERTIFY THAT THE PORTION OF THIS TECHNICAL SUBMISSION DESCRIBED BELOW WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND RESPONSIBLE CHARGE. I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF ILLINOIS.

SIGNATURE: Theodore E. Neundorff
THEODORE E. NEUNDORFF, P.E.

DATE: March 17th, 2008

ILLINOIS LICENSE EXPIRES: 11/30/09

PAGES OR DIVISION COVERED BY THIS CERTIFICATION: ELECTRICAL

Revisions #	Date:	Initials:	<p>2709 MCGRAW DRIVE BLOOMINGTON, ILLINOIS 61704 (309) 663-8436 / (309) 663-1571 Fax www.f-w.com</p>	<p>CITY OF BLOOMINGTON DOWNTOWN MAIN STREET BEAUTIFICATION FRONT ST. TO WASHINGTON ST.</p> <p>COVER SHEET</p>
Drawn: DVH	Date: 01-31-08	Sheet No.: C1.0	OF	Project No.: 0070796.00
Checked: JGB	Book No.: 2613A			

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00334-00-SW	MCLEAN	14	CL1
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

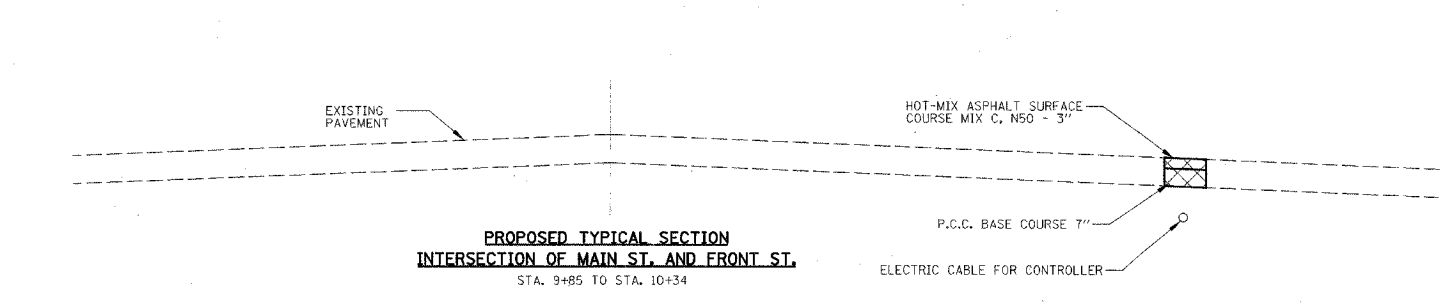
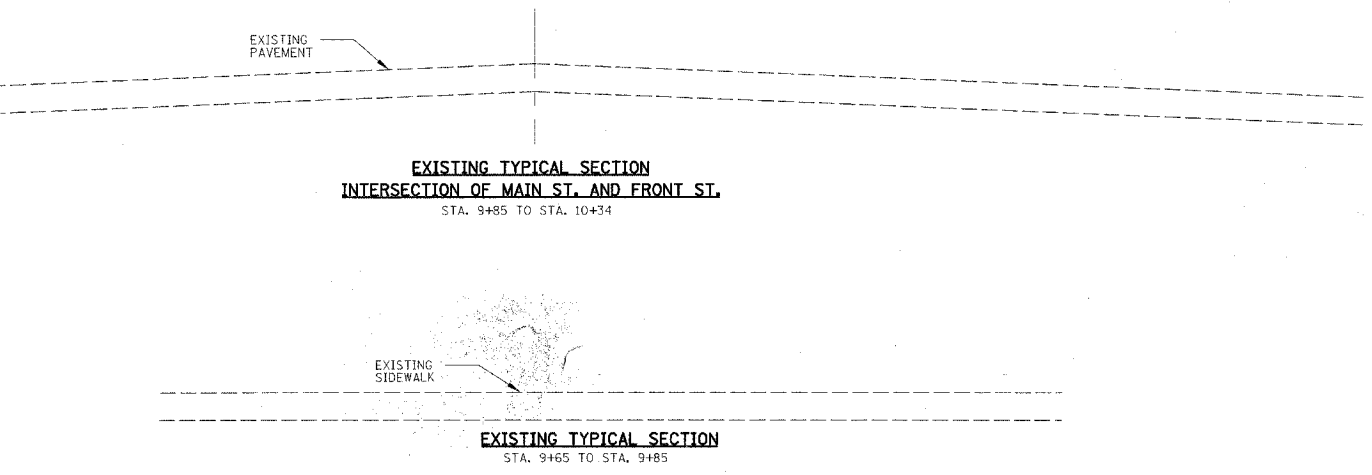
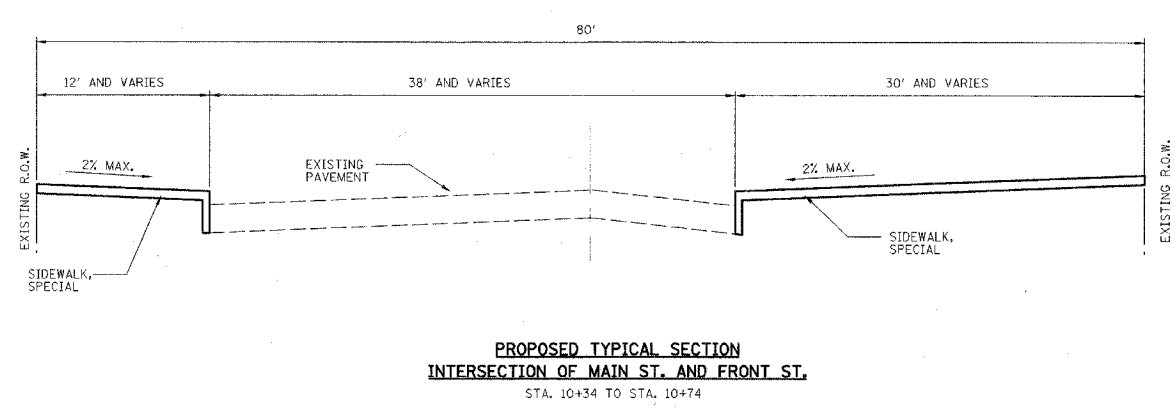
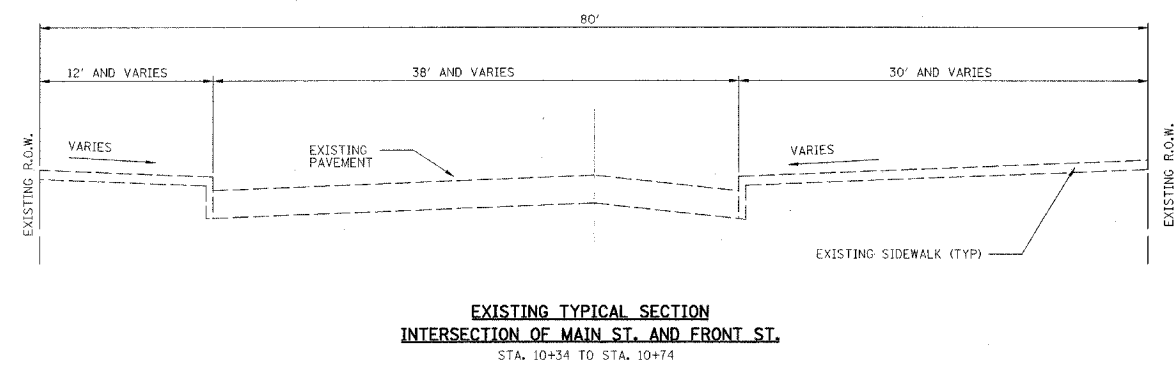
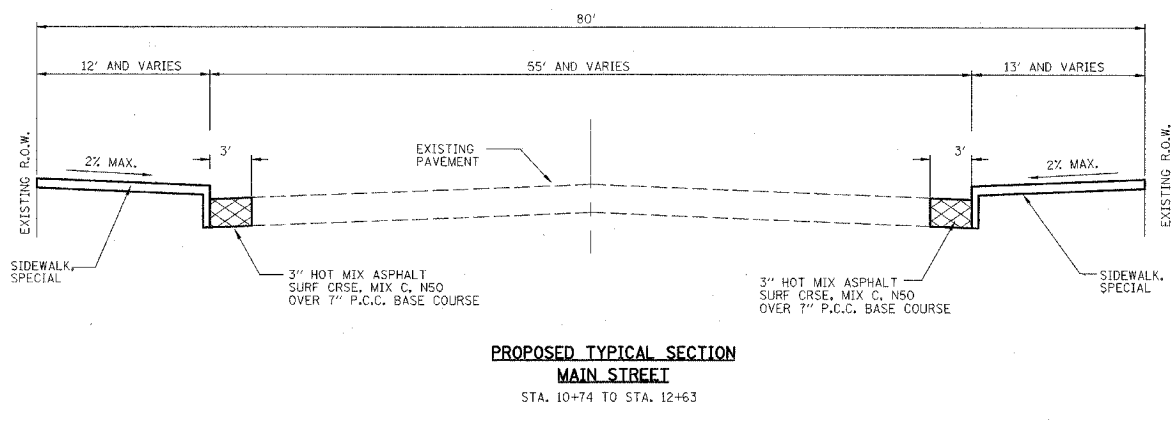
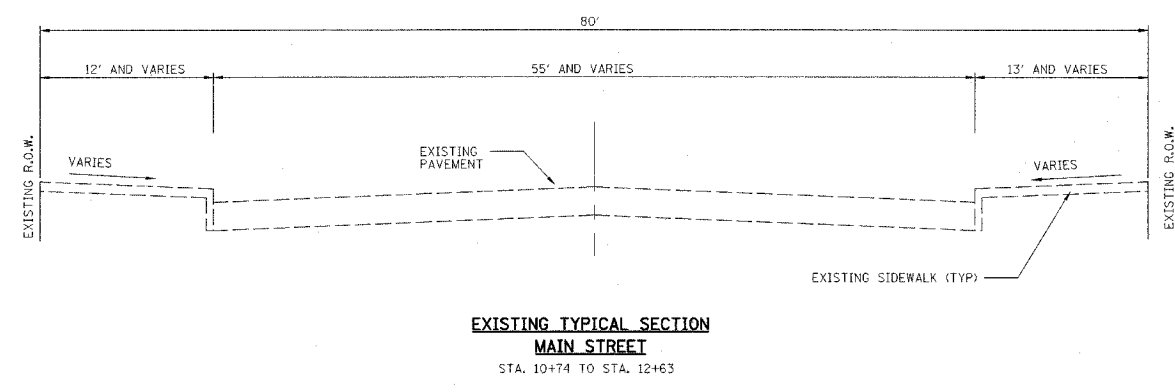
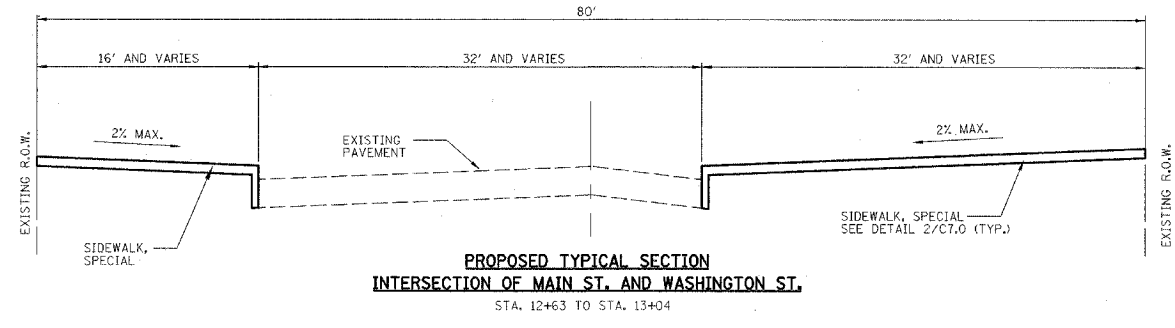
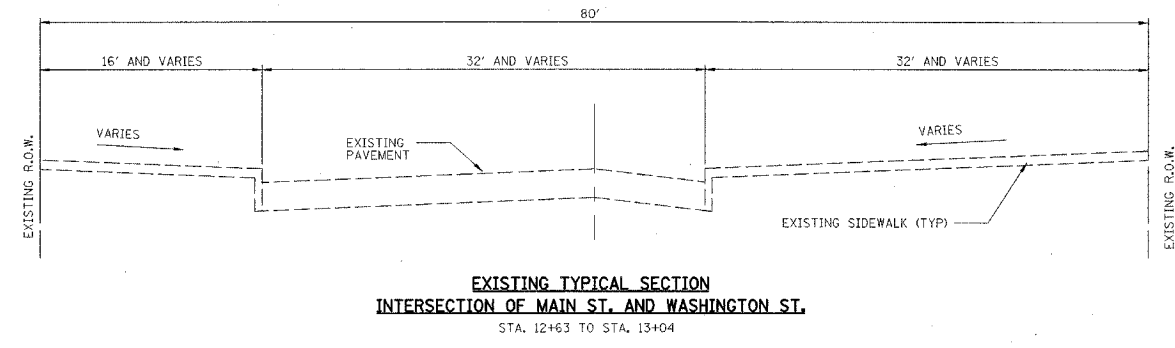
PAY CODE	ITEMS	UNIT	QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	22
20200100	EARTH EXCAVATION	CU YD	110
20800150	TRENCH BACKFILL	CU YD	220
28000500	INLET AND PIPE PROTECTION	EACH	4
31101000	SUBBASE GRANULAR MATERIAL, TYPE B	TON	90
35300200	P.C.C. BASE COURSE 7"	SQ YD	260
40603310	HOT MIX ASPHALT SURF CRSE, MIX C, N50	TON	50
42300200	P.C.C. DRIVEWAY PAVEMENT, 6"	SQ YD	80
42400800	DETECTABLE WARNINGS	SQ FT	30
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	85
44000600	SIDEWALK REMOVAL	SQ FT	4,750
550A0340	STORM SEWER, CLASS A, TYPE 2, 12"	FOOT	60
550B0040	STORM SEWER, CLASS B, TYPE 1, 10"	FOOT	10
60228400	MANHOLES, SPECIAL	EACH	1
60235700	INLETS, TYPE A, TYPE 3 FRAME & GRATE	EACH	2
60255500	MANHOLES TO BE ADJUSTED	EACH	6
60260100	INLETS TO BE ADJUSTED	EACH	2
60266600	VALVE BOXES TO BE ADJUSTED	EACH	6
67100100	MOBILIZATION	L SUM	1
70103700	TRAFFIC CONTROL COMPLETE	L SUM	1
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	48
* 81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	275
* 81001000	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	30
* 81012600	CONDUIT IN TRENCH, 2" PVC	FOOT	1,500
* 81400105	HANDHOLE (SPECIAL)	EACH	9
* 83600100	LIGHT POLE FOUNDATION	EACH	7
Z0013798	CONSTRUCTION LAYOUT	L SUM	1
* B2005720	TREE, PYRUS CALLERYANA CHANTICLEER CHANTICLEER CALLERY PEAR), 2-1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	2
* K1005481	SHREDDED BARK MULCH, 3"	SQ YD	1
XX001011	BICYCLE RACKS	EACH	2
* XX003614	RECEPTACLE (GFI TYPE) WITH WEATHERPROOF COVER	EACH	7
* XX005420	ULMUS PARVIFOLIA 'FRONTIER' (FRONTIER CHINESE ELM) 2-1/2 CAL	EACH	1
XX005819	INLET TYPE A1, SPECIAL	EACH	1
XX006429	SIDEWALK, SPECIAL	SQ FT	4,750
* X0324994	ORNAMENTAL PLANTER	EACH	16
X0444100	BENCHES	EACH	7
* X2110100	TOPSOIL FURNISH AND PLACE, SPECIAL	CU YD	9
X5011100	CONCRETE FOUNDATION REMOVAL	EACH	2
* X8250400	LIGHTING CONTROLLER, PEDESTAL MOUNT	EACH	1
* XX007360	STRAWBERRY CANDY DAYLILY	EACH	36
* XX007361	LIGHT 445 WATT FLUORESCENT	EACH	2
* XX007362	LIGHT 105 WATT FLUORESCENT	EACH	5
* XX007363	COMPOST FURNISH AND PLACE, SPECIAL	CU YD	3
* XX007364	ELECTRICAL CABLE (THHN-THWN) #8	FOOT	3,920

* SPECIALTY ITEMS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUMMARY OF QUANTITIES
 CITY OF BLOOMINGTON
 DOWNTOWN MAIN STREET BEAUTIFICATION
 FRONT STREET TO WASHINGTON STREET
 VERT. SCALE: HORIZ.
 DATE: 01-31-08
 DRAWN BY: DVH
 CHECKED BY: JGB

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00334-00-SW	MCLEAN	14	C2.0
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TYPICAL SECTIONS
 CITY OF BLOOMINGTON
 DOWNTOWN MAIN STREET BEAUTIFICATION
 FRONT STREET TO WASHINGTON STREET
 SCALE: VERT. DRAWN BY: DVH
 HORIZ. CHECKED BY: JCB
 DATE: 01-31-08

PLOT DATE = #DATE#
 FILE NAME = #FILE#
 USER NAME = #USER#

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00334-00-SW	MCLEAN	14	C3.0
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT

LOCATION	UNIT
STA. 10+63, 30' RT	8
STA. 12+69, 28' RT	6
STA. 12+78, 28' RT	8
TOTAL	22

LOCATION	CU YD
STA. 9+84 TO STA. 10+52 LT	21
STA. 10+44 TO STA. 12+12.7 LT	32
STA. 10+53 LT & RT	13
STA. 10+53.8 LT	35
STA. 10+67 RT	54
STA. 10+74 TO STA. 12+45 RT	34
CONTINGENCY	31
TOTAL	220

LOCATION	EACH
STA. 10+48.7, 17' LT	1
STA. 10+74, 34' RT	1
STA. 12+61.8, 28.5' RT	1
STA. 12+66.8, 18' LT	1
TOTAL	4

LOCATION	CLASS A	CLASS B
	TYPE 2, 12"	TYPE 1, 10"
	FOOT	FOOT
STA. 10+53.8 LT	23	
STA. 10+66 TO STA. 10+73 RT		8
STA. 10+67 RT	35	
CONTINGENCY	2	2
TOTAL	60	10

LOCATION	MANHOLE, SPECIAL	INLET TYPE A WITH TYPE 3 FRAME AND GRATE	INLET TYPE A1, SPECIAL
	EACH	EACH	EACH
STA. 10+48.7, 18' LT		1	
STA. 10+61.6	1		
STA. 10+65.5, 36' RT			1
STA. 10+73, 34' RT		1	
TOTAL	1	2	1

LOCATION	SIDEWALK REMOVAL	DRIVEWAY PAVEMENT REMOVAL	CONCRETE FOUNDATION REMOVAL
	SO FT	SO YD	EACH
STA. 9+69.5 TO STA. 9+84 LT	78		
STA. 10+34 TO STA. 11+18 RT	1,272		
STA. 10+36.5 TO STA. 11+64.6 LT	1,345		
STA. 10+45.8, 26' RT			1
STA. 10+58, 26' RT			
STA. 11+27, 38' RT	25		
STA. 11+59.6 TO STA. 11+95.6 RT	452		
STA. 11+64.6 TO STA. 11+94.2 LT		38	
STA. 11+94, 35.5' RT			1
STA. 11+94.2 TO STA. 12+12.7 LT	216		
STA. 11+95.2 TO STA. 12+25.2 RT		41	
STA. 12+25 TO STA. 13+03.8 RT	1,332		
STA. 12+77, 21' LT			
CONTINGENCY	30	6	
TOTAL	4,750	85	2

LOCATION	EACH
STA 10+38.65, LT 37.31	ORNAMENTAL PLANTER 30"
STA 10+39.03, LT 34.20	ORNAMENTAL PLANTER 42"
STA 10+41.15, LT 31.94	ORNAMENTAL PLANTER 30"
STA 10+62.58, RT 36.90	ORNAMENTAL PLANTER 30"
STA 11+09.93, LT 21.17	ORNAMENTAL PLANTER 30"
STA. 11+12.07, RT 38.95	ORNAMENTAL PLANTER 30"
STA. 11+59.58, LT 21.29	ORNAMENTAL PLANTER 30"
STA. 11+70.12, RT 37.29	ORNAMENTAL PLANTER 30"
STA. 12+26.90, LT 21.88	ORNAMENTAL PLANTER 30"
STA. 12+31.09, RT 38.08	ORNAMENTAL PLANTER 30"
STA. 12+67.03, RT 32.79	ORNAMENTAL PLANTER 30"
STA. 12+68.51, LT 21.15	ORNAMENTAL PLANTER 30"
STA. 12+71.60, LT 21.19	ORNAMENTAL PLANTER 42"
STA. 12+99.10, RT 28.93	ORNAMENTAL PLANTER 30"
STA. 13+01.08, RT 31.21	ORNAMENTAL PLANTER 42"
STA. 13+02.63, RT 34.16	ORNAMENTAL PLANTER 30"
STA. 10+56.11, RT 36.22	METAL BENCH, 8'
STA. 10+61.55, RT 30.93	METAL BENCH, 8'
STA. 10+82.99, LT 27.23	METAL BENCH, 8'
STA. 11+04.23, RT 45.19	METAL BENCH, 8'
STA. 12+67.83, RT 26.67	METAL BENCH, 8'
STA. 12+73.30, RT 32.20	METAL BENCH, 8'
STA. 12+77.56, LT 20.21	METAL BENCH, 8'
STA. 12+82.85, RT 21.24	BIKE RACK
STA. 10+66.55, RT 30.67	BIKE RACK

LOCATION	SIDEWALK, SPECIAL	P.C.C. DRIVEWAY PAVEMENT, 6"	P.C.C. BASE COURSE 7"	HOT-MIX ASPHALT SURFACE COURSE MIX C, N50
	SO FT	SO YD	SO YD	TON
STA. 9+69.5 TO STA. 9+84 LT	78			
STA. 9+84 TO STA. 10+52 LT			45	8
STA. 10+32 TO STA. 10+74 RT			28	5
STA. 10+34 TO STA. 11+18 RT	1,272			
STA. 10+36.5 TO STA. 11+64.6 LT	1,320			
STA. 10+40 LT			14	3
STA. 10+44 TO STA. 12+12.7 LT			57	10
STA. 10+53 LT & RT			12	2
STA. 10+53.8 LT			3	1
STA. 10+67 RT			10	2
STA. 10+74 TO STA. 12+88 RT			71	13
STA. 11+59.6 TO STA. 11+95.6 RT	452			
STA. 11+64.6 TO STA. 11+94.2 LT		31		
STA. 11+94.2 TO STA. 12+12.7 LT	280			
STA. 11+95.2 TO STA. 12+25.2 RT		41		
STA. 12+25 TO STA. 13+03.8 RT	1,332			
CONTINGENCY	11	8	20	6
TOTAL	4,750	80	260	50

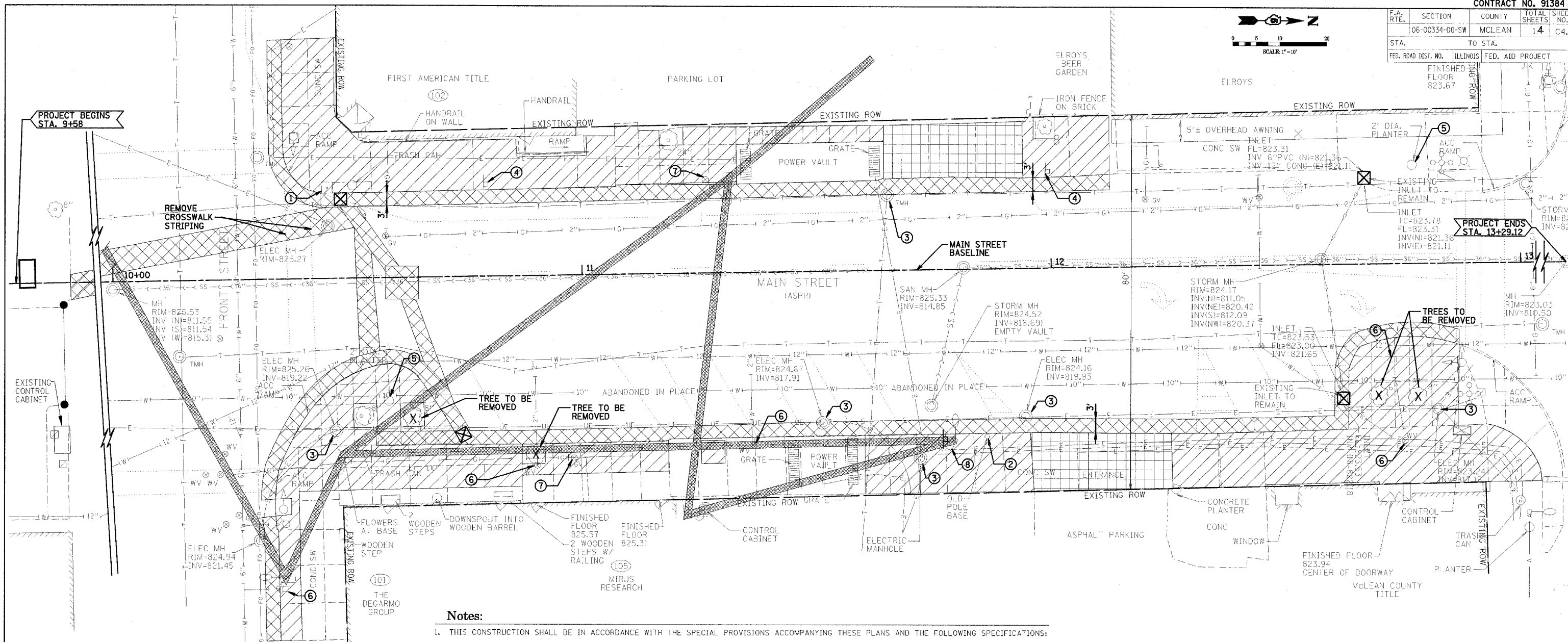
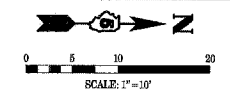
LOCATION	EACH
STA. 10+72.32, LT 21.42	CHANTICLEER CALLERY PEAR, 2 1/2" B.B.
STA. 11+27.38, RT 38.16	CHANTICLEER CALLERY PEAR, 2 1/2" B.B.
STA. 12+76.23, RT 24.26	FRONTIER ELM, 2 1/2" B.B.
STA. 10+49.02 TO STA. 10+56.02, RT 26.49 TO RT 31.99	STRAWBERRY CANDY DAYLILY - GROUPING OF 10
STA. 10+69.84 TO 10+74.84, LT 18.91 TO LT 23.91	STRAWBERRY CANDY DAYLILY - GROUPING OF 8
STA. 11+24.89 TO 11+29.89, RT 35.66 TO RT 40.66	STRAWBERRY CANDY DAYLILY - GROUPING OF 8
STA. 12+72.85 TO 12+79.85, RT 21.21 TO RT 27.21	STRAWBERRY CANDY DAYLILY - GROUPING OF 10

NOTE: FOR ELECTRICAL SCHEDULES SEE E1.3

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SCHEDULE OF QUANTITIES CITY OF BLOOMINGTON DOWNTOWN MAIN STREET BEAUTIFICATION FRONT STREET TO WASHINGTON STREET SCALE: VERT. DATE: 01-31-08 DRAWN BY: DVH CHECKED BY: JCB

PLOT DATE = #DATE\$
FILE NAME = #FILE\$
PLOT SCALE = #SCALE\$
USER NAME = #USER\$

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
06-00334-00-SW		MCLEAN	14	C4.0
STA.	TO STA.		FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT



LEGEND
EXISTING

36" SAN INLET	EVERGREEN TREE
18" SS STORM SEWER	TREE W/DIA.
UNDERGROUND TELEPHONE	SAPLING
GAS MAIN	RAILROAD SPIKE
GAS VALVE	WATER VALVE
WATER SERVICE SHUTOFF SIGN	FIRE HYDRANT MANHOLE
UNDERGROUND ELECTRIC	WATER LINE
AERIAL ELECTRIC	BUILDING
POLE DOWN GUY	PAVEMENT MARKING
TELEPHONE POLE	
LIGHT POLE	
MAST ARM	
POWER POLE	
TRAFFIC SIGNAL	
5 BULB LIGHT FIXTURE	
FENCE	
DITCH LINE	
IR IRON ROD	
IP IRON PIPE	
EXISTING ROW	

LEGEND
REMOVAL

TREE TO BE REMOVED	CONCRETE SIDEWALK REMOVAL
CONCRETE DRIVEWAY REMOVAL	HOT MIX ASPHALT OVER PCC BASE COURSE
OVERHEAD POWER AND LIGHT POLES AND LINES TO BE REMOVED BY AMEREN I.P.	

Notes:

- THIS CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE SPECIAL PROVISIONS ACCOMPANYING THESE PLANS AND THE FOLLOWING SPECIFICATIONS:
- "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", 5TH EDITION, DATED MAY, 1996".
- "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2007, BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
- "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2008, BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
- "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" AND THE ILLINOIS SUPPLEMENT TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- THE EXISTING TOPOGRAPHIC INFORMATION INDICATED FOR THIS PROJECT IS BASED ON FIELD DATA COLLECTED BY THE FARNSWORTH GROUP FROM TOPOGRAPHIC SURVEYS. INFORMATION FROM RECORD DRAWINGS OF VARIOUS PROJECTS WAS PROVIDED BY THE CITY OF BLOOMINGTON. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE TOPOGRAPHIC INFORMATION INDICATED ON THE DRAWINGS AND SHALL DETERMINE THE EXACT LOCATION AND ELEVATION OF ALL EXISTING TOPOGRAPHIC INFORMATION ABOVE OR BELOW GROUND, SHOWN OR NOT SHOWN, PRIOR TO CONSTRUCTION. DISCREPANCIES IN EXISTING TOPOGRAPHIC DATA SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY FOR REVIEW.
- UTILITY TRENCHES SHALL BE BACKFILLED WITH I.D.O.T. QUALITY GRANULAR MATERIAL.
- THE CONTRACTOR SHALL NOTIFY AND COORDINATE UTILITY ABANDONMENTS AND RELOCATIONS WITH APPROPRIATE UTILITY COMPANY AFFECTED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE CONTRACTOR SHALL CLEAN ALL SAND AND DEBRIS FROM EXISTING STORM SEWERS AND SHALL INSPECT STORM SEWERS FOR DEFICIENCIES AND IRREGULARITIES PRIOR TO CONSTRUCTION. ANY ABNORMALITIES DISCOVERED DURING THE CLEANING AND INSPECTION OPERATIONS SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
- ALL DEMOLITION AND CONSTRUCTION ACTIVITIES SHALL BE COORDINATED WITH THE OWNER TO MINIMIZE DISRUPTION OF THE NORMAL DAILY FUNCTIONING OF THE INDIVIDUAL BUSINESSES WITHIN THE PROJECT AREA.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT DAMAGE TO ANY AREAS ADJACENT TO NEW CONSTRUCTION.
- THE CITY WILL RETAIN ALL SALVAGE THAT IS OF VALUE AS DESIGNATED BY THE CITY'S REPRESENTATIVE. THE CITY WILL DIRECT THE CONTRACTOR AS TO THE LOCATION FOR STORAGE OF SALVAGED ITEMS. THE CONTRACTOR WILL BE RESPONSIBLE FOR REMOVING FROM THE CONSTRUCTION SITE ALL CONSTRUCTION DEBRIS AND/OR ITEMS NOT TO BE SALVAGED AS DETERMINED BY THE CITY'S REPRESENTATIVE.
- TEMPORARY BARRICADES PERTAINING TO THE CONTRACTOR'S ACTIVITIES SHALL BE INSTALLED TO PREVENT POSSIBLE INJURY TO PEDESTRIANS IN AND AROUND CONSTRUCTION AREAS IN ACCORDANCE WITH OSHA REQUIREMENTS. THE CONTRACTOR SHALL COORDINATE THIS WORK WITH THE CITY.
- UNLESS OTHERWISE NOTED, REMOVAL OF EXISTING SIDEWALK AND PAVEMENT SHALL EXTEND 6" OUT FROM THE GENERAL LINE OF THE EXISTING BUILDING FACE. EXISTING STEPS AND/OR RAMPS ARE NOT TO BE REMOVED UNLESS SPECIFICALLY NOTED. ALL EXISTING SERVICES AND UTILITIES SHALL BE MAINTAINED TO INDIVIDUAL BUSINESSES. THE CONTRACTOR SHALL COORDINATE ALL DISRUPTIONS OR DISCONTINUATION OF UTILITIES AND SERVICES WITH THE CITY, THE RESPECTIVE UTILITY COMPANY AND OWNER OF THE INDIVIDUAL BUSINESS THAT THE UTILITY SERVES.
- REFER TO ELECTRICAL DRAWINGS FOR ELECTRICAL DEMOLITION NOTATIONS.

KEYNOTE LEGEND

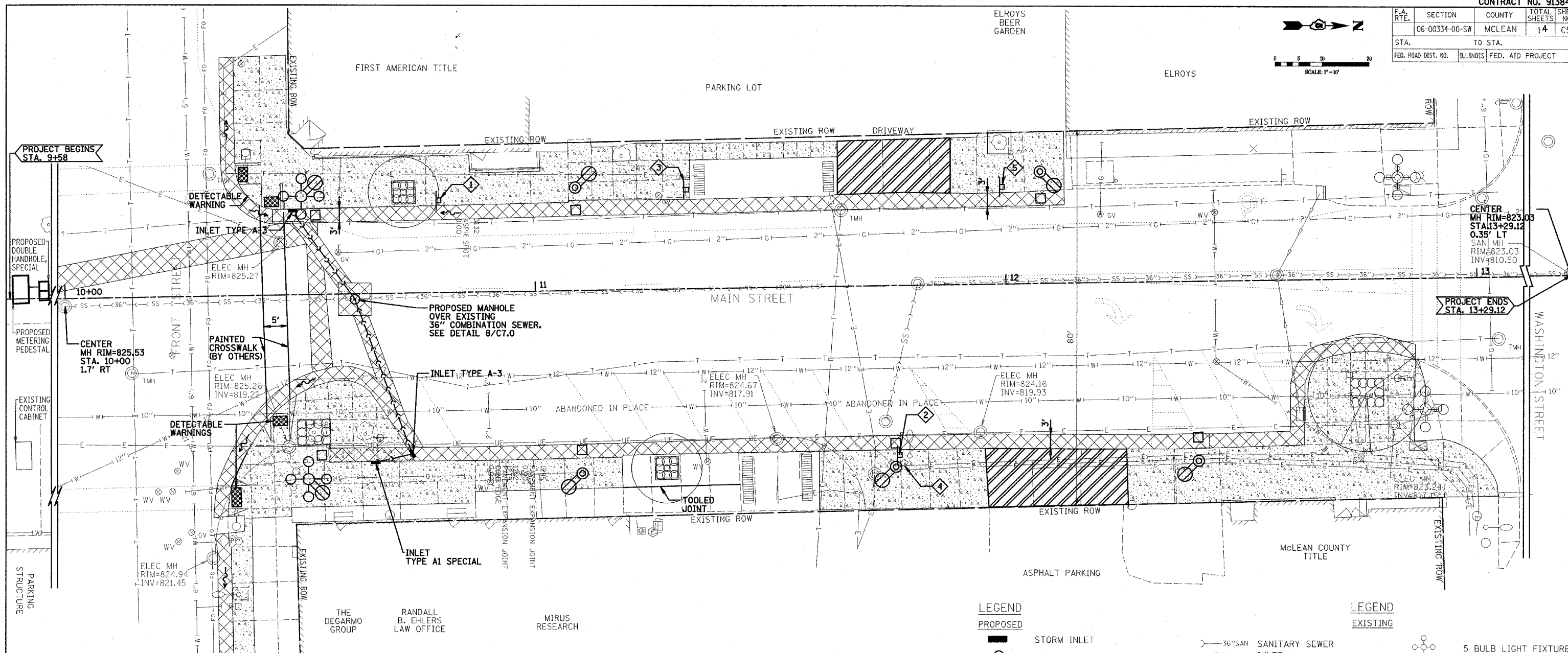
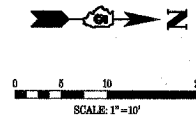
- EXISTING SIGNAL FOUNDATION TO BE REMOVED TO A MAXIMUM DEPTH OF 24".
- EXISTING BASE TO BE REMOVED TO A MAXIMUM DEPTH OF 24".
- MANHOLE TO BE ADJUSTED.
- EXISTING SIGN TO BE REMOVED AND REPLACED.
- REMOVE PLASTIC PLANTER (BY CITY OF BLOOMINGTON).
- WATER VALVE TO BE ADJUSTED.
- GAS VALVE TO BE ADJUSTED.
- NEWSPAPER BOX TO BE REMOVED AND REPLACED AFTER CONSTRUCTION IS COMPLETE.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
DEMOLITION PLAN
CITY OF BLOOMINGTON
DOWNTOWN MAIN STREET BEAUTIFICATION
FRONT STREET TO WASHINGTON STREET
SCALE: VERT.
DATE: 01-31-08
DRAWN BY: DVH
CHECKED BY: JCB

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PLOT SCALE = #SCALES
USER NAME = #ROBOTS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00334-00-SW	MCLEAN	14	C5.0
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



- NOTES**
- THIS CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE SPECIAL PROVISIONS ACCOMPANYING THESE PLANS AND THE FOLLOWING SPECIFICATIONS:
 - "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", 5TH EDITION, DATED MAY, 1996".
 - "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY, 1, 2007, BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
 - "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2008, BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
 - "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" AND THE ILLINOIS SUPPLEMENT TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
 - HANDICAP RAMPS SHALL BE BUILT IN ACCORDANCE WITH I.D.O.T. STANDARD 424001-04. HANDICAP RAMPS SHALL BE CONSTRUCTED WHERE THE PROPOSED SIDEWALK INTERSECTS PROPOSED OR EXISTING COMBINATION CURB AND GUTTER FOR DRIVEWAYS, ALLEYS, PAVEMENTS, STREETS OR AS MAY BE INDICATED ON THE DRAWINGS.
 - JOINTS IN PROPOSED SIDEWALK SHALL BE TOOLED AT MINIMUM 5' INTERVALS OR AS MAY CORRESPOND TO EXISTING JOINTS OF ADJACENT SIDEWALKS. JOINT LOCATIONS INDICATED ON THE PLANS ARE FOR REFERENCE ONLY. THE CONTRACTOR SHALL SUBMIT A LAYOUT PLAN OF ALL JOINTS TO THE ENGINEER PRIOR TO CONSTRUCTION OF THE SIDEWALK. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
 - PROVIDE EROSION CONTROL AROUND ALL EXISTING AND PROPOSED MANHOLES AND INLETS, PER EACH FOR INLET PIPE PROTECTION.
 - THE CONTRACTOR SHALL INSTALL 1/2" EXPANSION JOINTS WHEREVER THE PROPOSED SIDEWALK IS ADJACENT TO THE EXISTING BUILDING, THE EXISTING SIDEWALK THAT WILL REMAIN AND AT OTHER LOCATIONS INDICATED ON THE DRAWINGS.
 - THE CONTRACTOR SHALL MOVE EXISTING PLANTERS, BENCHES OR OTHER ITEMS WHICH ARE TO REMAIN AND WHICH CONFLICT WITH THE CONSTRUCTION. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCIDENTAL TO THE CONTRACT.
 - NO PROFILE SHOWN HEREIN, GRADES VARY. SEE GRADING AND EROSION CONTROL SHEET AND MATCH EXISTING SIDEWALK ELEVATIONS. SLOPE TO DRAIN AWAY FROM BUILDINGS AND PARKING LOT.

- GENERAL KEYNOTES**
- EXISTING COMPACT CAR PARKING SIGN TO BE REUSED ON NEW TELESCOPING STEEL SIGN SUPPORT.
 - EXISTING SIGN R3-7R TO BE REUSED ON NEW TELESCOPING STEEL SIGN SUPPORT.
 - EXISTING SIGNS FROM LIGHT POLE TO BE REUSED ON NEW TELESCOPING STEEL SIGN SUPPORT.
 - EXISTING NEWSPAPER BOX TO BE REPLACED.
 - EXISTING SIGN R6-2R AND 90 MINUTE PARKING SIGN TO BE REUSED ON NEW TELESCOPING STEEL SIGN SUPPORT.

LEGEND

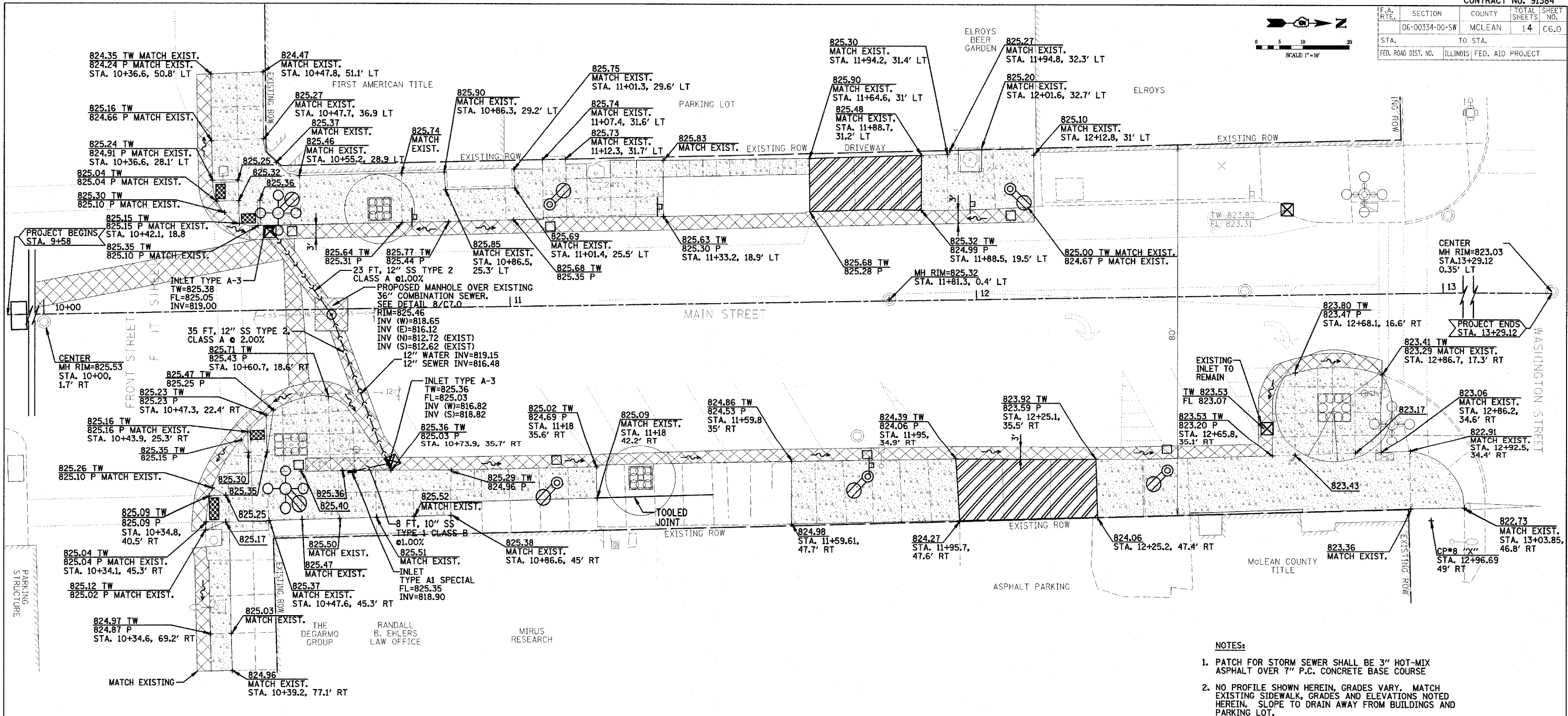
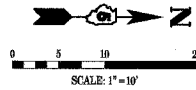
- | | | | | | |
|--|--|--|-------------------------------------|--|----------------------|
| | PROPOSED STORM INLET | | EXISTING 36" SANITARY SEWER | | 5 BULB LIGHT FIXTURE |
| | PROPOSED STORM MANHOLE | | EXISTING 18" SS STORM SEWER | | FENCE |
| | PROPOSED SIGN | | EXISTING UNDERGROUND TELEPHONE | | DITCH LINE |
| | PROPOSED SIDEWALK, SPECIAL | | EXISTING GAS MAIN | | IRON ROD |
| | PROPOSED CONCRETE DRIVEWAY | | EXISTING GAS VALVE | | IRON PIPE |
| | PROPOSED HOT MIX ASPHALT OVER PCC BASE COURSE | | EXISTING WATER SERVICE SHUTOFF SIGN | | EVERGREEN TREE |
| | PROPOSED SINGLE POLE LIGHT FIXTURE AND POLE W/RECEPTACLE | | EXISTING UNDERGROUND ELECTRIC | | TREE W/DIA. |
| | PROPOSED 5 BULB LIGHT FIXTURE AND POLE WITH RECEPTACLE | | EXISTING POLE DOWN GUY | | SAPLING |
| | PROPOSED TREE | | EXISTING TELEPHONE POLE | | RAILROAD SPIKE |
| | PROPOSED DETECTABLE WARNINGS | | EXISTING LIGHT POLE | | WATER VALVE |
| | PROPOSED HANDHOLE (SPECIAL) | | EXISTING MAST ARM | | FIRE HYDRANT |
| | | | PROPOSED POWER POLE | | MANHOLE |
| | | | PROPOSED TRAFFIC SIGNAL | | WATER LINE |
| | | | | | BUILDING LINE |
| | | | | | PAVEMENT MARKING |

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 LAYOUT PLAN
 CITY OF BLOOMINGTON
 DOWNTOWN MAIN STREET BEAUTIFICATION
 FRONT STREET TO WASHINGTON STREET
 SCALE: VERT. DATE: 01-31-08
 DRAWN BY: DVH
 CHECKED BY: JCB

PLOT DATE = DATE#
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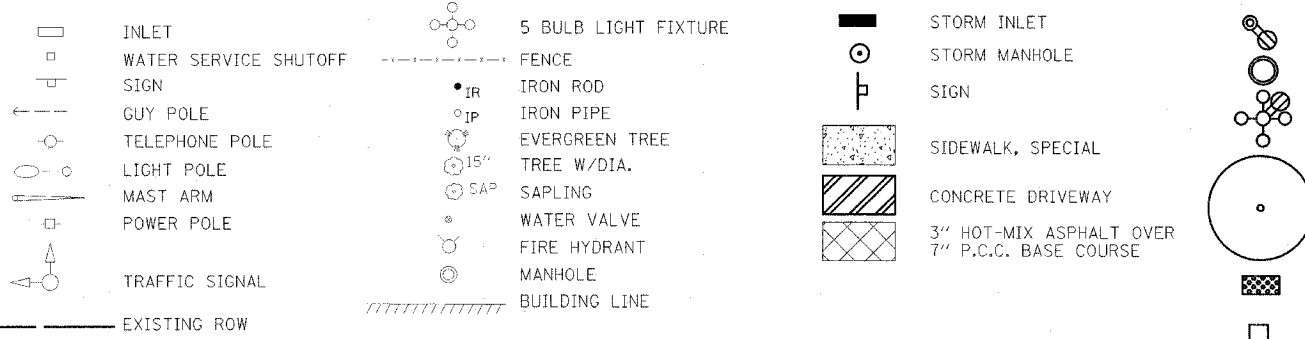
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
06-00334-00-SW		MCLEAN	14	C6.0
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



- NOTES:**
- 1) PATCH FOR STORM SEWER SHALL BE 3" HOT-MIX ASPHALT OVER 7" P.C. CONCRETE BASE COURSE
 - 2) NO PROFILE SHOWN HEREIN, GRADES VARY. MATCH EXISTING SIDEWALK, GRADES AND ELEVATIONS NOTED HEREIN. SLOPE TO DRAIN AWAY FROM BUILDINGS AND PARKING LOT.

LEGEND
EXISTING

LEGEND
PROPOSED



INTENDED SEQUENCE

- 1) PLACEMENT OF INLET AND PIPE PROTECTION PRIOR TO THE COMMENCEMENT OF ANY WORK SEE STD 280001
- 2) REMOVAL OF EXISTING STRUCTURE
- 3) CONSTRUCTION OF THE PROPOSED STRUCTURE
- 4) CONSTRUCT ROADWAY EMBANKMENT INCLUDING DITCHES
- 5) THE PLACEMENT AND MAINTENANCE OF TEMPORARY EROSION CONTROLS
- 6) FINAL GRADING AND SHAPING INCLUDING PLACEMENT OF THE AGGREGATE SURFACE
- 7) REMOVAL AND PROPER CLEAN UP OF TEMPORARY EROSION CONTROLS
- 8) PLACEMENT OF PERMANENT EROSION CONTROLS

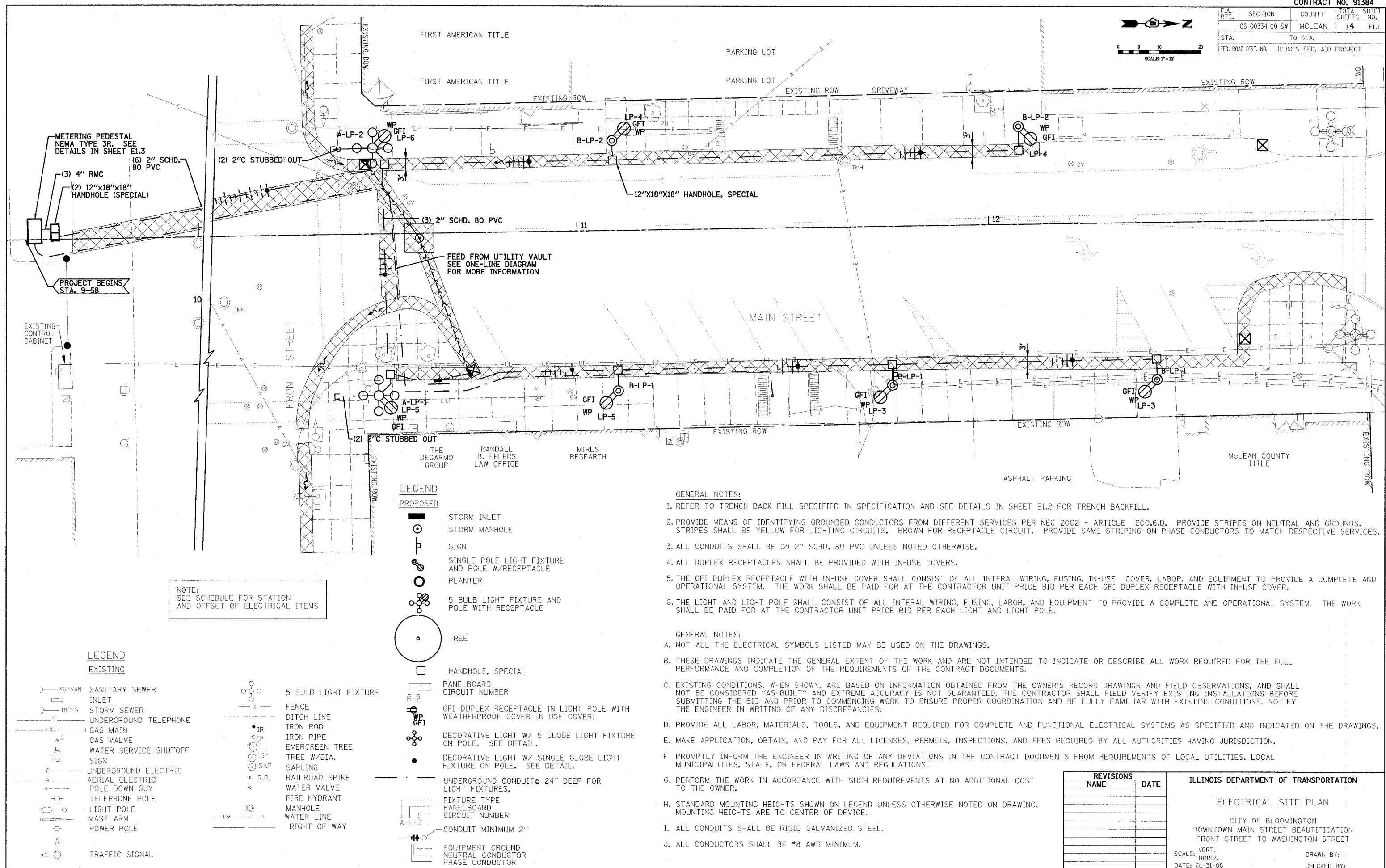
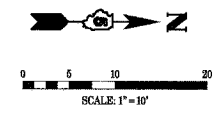
+TW	TOP OF SIDEWALK ELEVATION
+P	PAVEMENT ELEVATION
+R	TOP OF RIM ELEVATION
⊗	INLET PROTECTION
FL	FLOW LINE ELEVATION
→	FLOW ARROW

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
GRADING AND EROSION CONTROL PLAN
CITY OF BLOOMINGTON
DOWNTOWN MAIN STREET BEAUTIFICATION
FRONT STREET TO WASHINGTON STREET
SCALE: VERT. HORIZ. DATE: 01-31-08
DRAWN BY: DVH
CHECKED BY: JGB

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PLOT NAME = #PLOTS#
USER NAME = #USERS#

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
06-00334-00-SW	MCLEAN	ILLINOIS	14	E1.1
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



METERING PEDESTAL
NEMA TYPE 3R. SEE
DETAILS IN SHEET E1.3
(6) 2" SCHD.
80 PVC
(3) 4" RMC
(2) 12"x18"x18"
HANDHOLE (SPECIAL)

PROJECT BEGINS
STA. 9+58

NOTE:
SEE SCHEDULE FOR STATION
AND OFFSET OF ELECTRICAL ITEMS

LEGEND

- PROPOSED**
- STORM INLET
 - STORM MANHOLE
 - SIGN
 - SINGLE POLE LIGHT FIXTURE AND POLE W/RECEPTACLE
 - PLANTER
 - 5 BULB LIGHT FIXTURE AND POLE WITH RECEPTACLE
 - TREE
 - HANDHOLE, SPECIAL
 - PANELBOARD CIRCUIT NUMBER
 - GFI DUPLEX RECEPTACLE IN LIGHT POLE WITH WEATHERPROOF COVER IN USE COVER.
 - DECORATIVE LIGHT W/ 5 GLOBE LIGHT FIXTURE ON POLE. SEE DETAIL.
 - DECORATIVE LIGHT W/ SINGLE GLOBE LIGHT FIXTURE ON POLE. SEE DETAIL.
 - UNDERGROUND CONDUIT @ 24" DEEP FOR LIGHT FIXTURES.
 - FIXTURE TYPE PANELBOARD CIRCUIT NUMBER
 - CONDUIT MINIMUM 2"
 - EQUIPMENT GROUND NEUTRAL CONDUCTOR PHASE CONDUCTOR

LEGEND

- EXISTING**
- 36" SAN SANITARY SEWER
 - 18" SS STORM SEWER
 - UNDERGROUND TELEPHONE
 - GAS MAIN
 - GAS VALVE
 - WATER SERVICE SHUTOFF
 - SIGN
 - UNDERGROUND ELECTRIC
 - AERIAL ELECTRIC POLE DOWN GUY
 - TELEPHONE POLE
 - LIGHT POLE
 - MAST ARM
 - POWER POLE
 - TRAFFIC SIGNAL
 - 5 BULB LIGHT FIXTURE
 - FENCE
 - DITCH LINE
 - IRON ROD
 - IRON PIPE
 - EVERGREEN TREE
 - TREE W/DIA.
 - SAPLING
 - RAILROAD SPIKE
 - WATER VALVE
 - FIRE HYDRANT
 - MANHOLE
 - WATER LINE
 - RIGHT OF WAY

GENERAL NOTES:

1. REFER TO TRENCH BACK FILL SPECIFIED IN SPECIFICATION AND SEE DETAILS IN SHEET E1.2 FOR TRENCH BACKFILL.
 2. PROVIDE MEANS OF IDENTIFYING GROUNDED CONDUCTORS FROM DIFFERENT SERVICES PER NEC 2002 - ARTICLE 200.6.D. PROVIDE STRIPES ON NEUTRAL AND GROUNDS. STRIPES SHALL BE YELLOW FOR LIGHTING CIRCUITS, BROWN FOR RECEPTACLE CIRCUIT. PROVIDE SAME STRIPING ON PHASE CONDUCTORS TO MATCH RESPECTIVE SERVICES.
 3. ALL CONDUITS SHALL BE (2) 2" SCHD. 80 PVC UNLESS NOTED OTHERWISE.
 4. ALL DUPLEX RECEPTACLES SHALL BE PROVIDED WITH IN-USE COVERS.
 5. THE GFI DUPLEX RECEPTACLE WITH IN-USE COVER SHALL CONSIST OF ALL INTERNAL WIRING, FUSING, IN-USE COVER, LABOR, AND EQUIPMENT TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM. THE WORK SHALL BE PAID FOR AT THE CONTRACTOR UNIT PRICE BID PER EACH GFI DUPLEX RECEPTACLE WITH IN-USE COVER.
 6. THE LIGHT AND LIGHT POLE SHALL CONSIST OF ALL INTERNAL WIRING, FUSING, LABOR, AND EQUIPMENT TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM. THE WORK SHALL BE PAID FOR AT THE CONTRACTOR UNIT PRICE BID PER EACH LIGHT AND LIGHT POLE.
- GENERAL NOTES:**
- A. NOT ALL THE ELECTRICAL SYMBOLS LISTED MAY BE USED ON THE DRAWINGS.
 - B. THESE DRAWINGS INDICATE THE GENERAL EXTENT OF THE WORK AND ARE NOT INTENDED TO INDICATE OR DESCRIBE ALL WORK REQUIRED FOR THE FULL PERFORMANCE AND COMPLETION OF THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
 - C. EXISTING CONDITIONS, WHEN SHOWN, ARE BASED ON INFORMATION OBTAINED FROM THE OWNER'S RECORD DRAWINGS AND FIELD OBSERVATIONS, AND SHALL NOT BE CONSIDERED "AS-BUILT" AND EXTREME ACCURACY IS NOT GUARANTEED. THE CONTRACTOR SHALL FIELD VERIFY EXISTING INSTALLATIONS BEFORE SUBMITTING THE BID AND PRIOR TO COMMENCING WORK TO ENSURE PROPER COORDINATION AND BE FULLY FAMILIAR WITH EXISTING CONDITIONS. NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES.
 - D. PROVIDE ALL LABOR, MATERIALS, TOOLS, AND EQUIPMENT REQUIRED FOR COMPLETE AND FUNCTIONAL ELECTRICAL SYSTEMS AS SPECIFIED AND INDICATED ON THE DRAWINGS.
 - E. MAKE APPLICATION, OBTAIN, AND PAY FOR ALL LICENSES, PERMITS, INSPECTIONS, AND FEES REQUIRED BY ALL AUTHORITIES HAVING JURISDICTION.
 - F. PROMPTLY INFORM THE ENGINEER IN WRITING OF ANY DEVIATIONS IN THE CONTRACT DOCUMENTS FROM REQUIREMENTS OF LOCAL UTILITIES, LOCAL MUNICIPALITIES, STATE, OR FEDERAL LAWS AND REGULATIONS.
 - G. PERFORM THE WORK IN ACCORDANCE WITH SUCH REQUIREMENTS AT NO ADDITIONAL COST TO THE OWNER.
 - H. STANDARD MOUNTING HEIGHTS SHOWN ON LEGEND UNLESS OTHERWISE NOTED ON DRAWING. MOUNTING HEIGHTS ARE TO CENTER OF DEVICE.
 - I. ALL CONDUITS SHALL BE RIGID GALVANIZED STEEL.
 - J. ALL CONDUCTORS SHALL BE #8 AWG MINIMUM.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ELECTRICAL SITE PLAN

CITY OF BLOOMINGTON
DOWNTOWN MAIN STREET BEAUTIFICATION
FRONT STREET TO WASHINGTON STREET

SCALE: VERT.
HORIZ.
DATE: 01-31-08

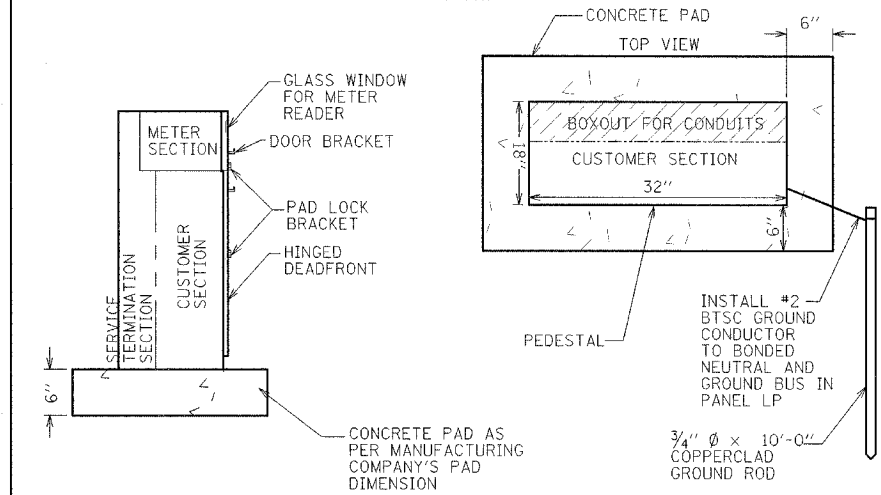
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00334-00-SW	MCLEAN	14	E1.2
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

NOTES:

- NEMA TYPE 3R ALUMINUM ENCLOSURE WITH BOTH SIDES ACCESSIBLE WITH DEAD FRONT
- PEDESTAL SHALL BE ANCHORED WITH (4) ANCHOR BOLTS IN CONCRETE PAD
- 200 AMP, 3 PHASE METER RATING
- ACCESSIBLE DOORS SHALL BE LOCKABLE.
- METERING PEDESTAL SHALL BE GROUNDED AND BONDED AS PER NEC
- MANUFACTURER MILBANK WEST MODEL *CP3352529K-SP VERIFY COMPLETE
MEGLIO & ASSOCIATES - DON HARROD (217) 496-3524

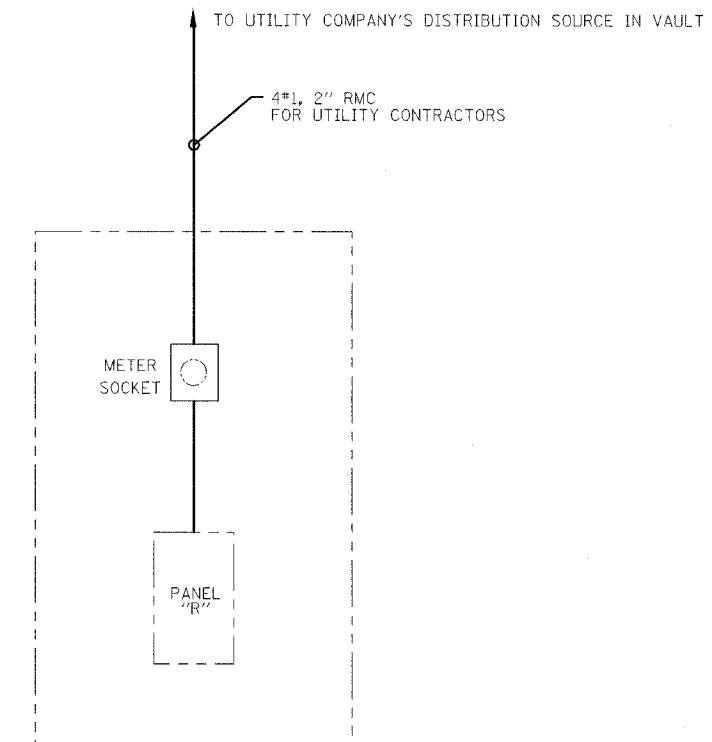


1 3-Phase Meter, Load Center, Lighting Control Pedestal

Scale: Not To Scale

2 One-Line Diagram

Scale: Not To Scale



NOTES:

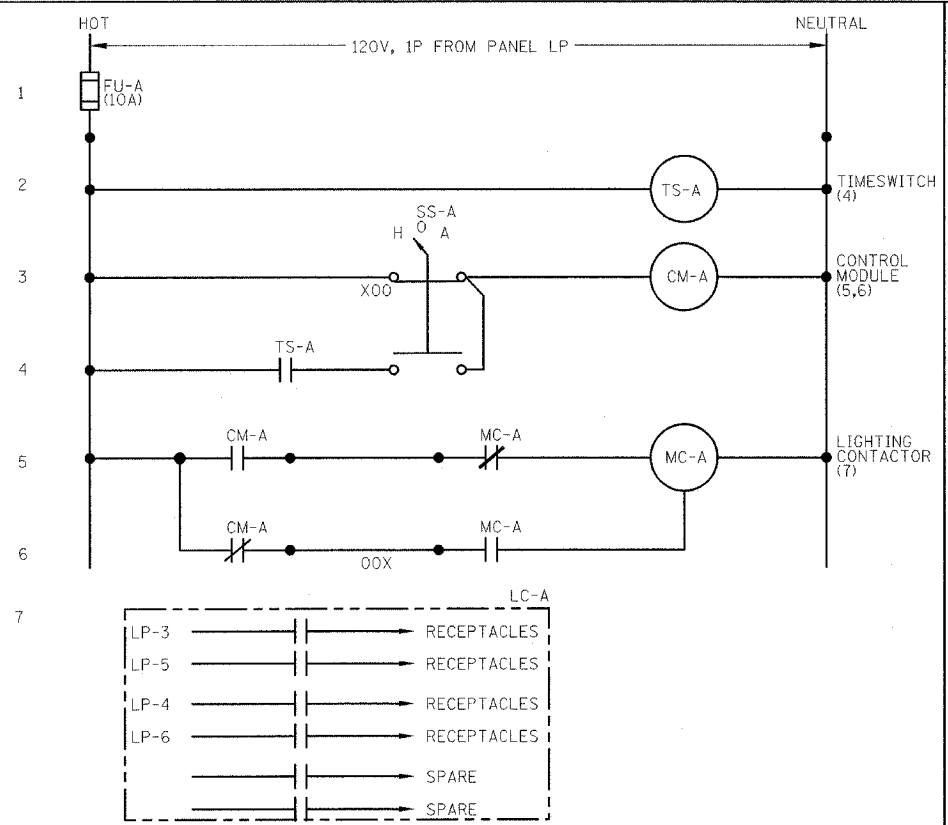
- PROVIDE MECHANICALLY HELD LIGHTING CONTACTOR
- LIGHTING CONTROL SHALL BE ACTIVATED BY TIMER FOR LIGHTS
- PROVIDE HAND OFF AUTO CONTROL SWITCH
- CONTRACTOR SHALL PROVIDE LIGHTING CONTROLS AS REQUIRED TO MAKE THE DECORATIVE LIGHTS OPERATIONAL.

2 One-Line Diagram

Scale: Not To Scale

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
ELECTRICAL DETAILS
CITY OF BLOOMINGTON
DOWNTOWN MAIN STREET BEAUTIFICATION
FRONT STREET TO WASHINGTON STREET
SCALE: VERT. DATE: 01-31-08
DRAWN BY: CHECKED BY:

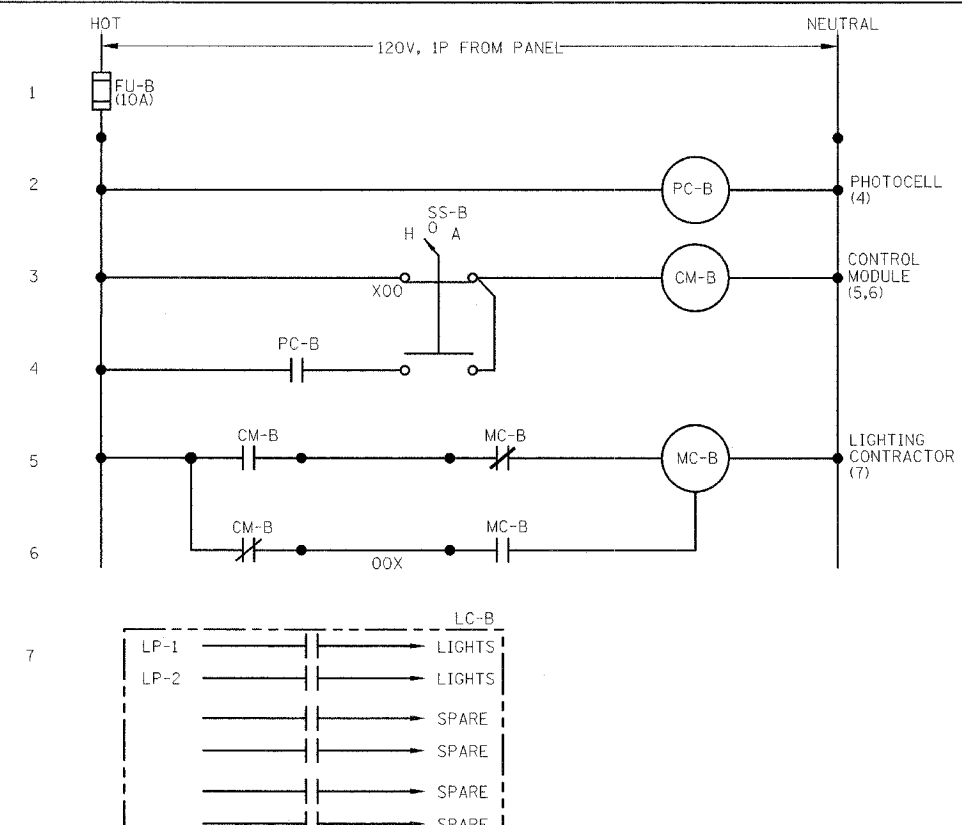


LIGHTING CONTROL NOTES:

- LIGHTING CONTACTOR SHALL BE SEIMENS CLM2B12 120 SERIES MECHANICALLY HELD, 6 POLE, 20 AMP REMOTE CONTROL LIGHTING CONTACTOR WITH ACCESSORY 47 TWO WIRE CONTROL MODULE.
- TIME SWITCH SHALL BE 120 VAC, PROGRAMMABLE, ELECTRONIC, 7-DAY, DUAL CHANNEL, INTERNALLY MOUNTED; INTERMATIC *E770215C/120V.
- SELECTOR SWITCH SHALL BE 3-POSITION, MAINTAINED SIEMENS 3SB03-3MKBX25 WITH METAL "MANUAL-OFF-AUTO" LEGEND PLATE *P30NPJ84.
- CONTRACTOR MAY SUBMIT EQUIPMENT AND COMPONENTS FROM OTHER MANUFACTURERS FOR ENGINEER'S APPROVAL.
- PROVIDE AS PART OF MILBANK WEST ENCLOSURE

5 Exterior Receptacle Control Detail (LC-A)

Scale: Not To Scale



LIGHTING CONTROL NOTES:

- LIGHTING CONTACTOR SHALL BE SEIMENS CLM2B12 120 SERIES MECHANICALLY HELD, 6 POLE, 20 AMP REMOTE CONTROL LIGHTING CONTACTOR WITH ACCESSORY 47 TWO WIRE CONTROL MODULE.
- PHOTOCELL SHALL BE 120 VAC WITH 1/2 INCH NIPPLE FOR CONDUIT MOUNTING PARAGON CW201-00.
- SELECTOR SWITCH SHALL BE 3-POSITION, MAINTAINED SIEMENS 3SB03-3MKBX25 WITH METAL "MANUAL-OFF-AUTO" LEGEND PLATE *P30NPJ84.
- CONTRACTOR MAY SUBMIT EQUIPMENT AND COMPONENTS FROM OTHER MANUFACTURERS FOR ENGINEER'S APPROVAL.
- PROVIDE AS PART OF MILBANK WEST ENCLOSURE

3 Exterior Lighting Control Detail (LC-B)

Scale: Not To Scale

PART OF MILBANK CP3 PANELBOARD LP																				
PANEL WIDTH:	20"	TYPE:	NQOD	VOLTS:	120/208	PHASE:	3	MAIN BREAKER:	100A											
AIC:	10,000	MOUNTING:	PEDESTAL	MAIN RATING:	100A	WIRE:	4	GROUND BAR:	100%											
		FEED:	BOTTOM POLES:	3				NEUTRAL BAR:	100%											
BRANCH BREAKERS																				
LOAD DESCRIPTION	AMP RATING	POLE	BREAKER ACCESS.	LOAD TYPE	CIRCUIT NUMBER	LEFT PHASE LOAD			RIGHT PHASE LOAD			CIRCUIT NUMBER	LOAD TYPE	BREAKER ACCESS.	POLE	AMP RATING	LOAD DESCRIPTION			
						A	B	C	A	B	C									
LIGHTING	20	1		L	1	780			655			2	L		1	20	LIGHTING			
RECEPTACLES	20	1		R	3		400			400		4	R		1	20	RECEPTACLES			
RECEPTACLES	20	1		R	5			400			200	6	R		1	20	RECEPTACLES			
SPARE	20	1			7							8			1	20	SPARE			
SPARE	20	1			9							10			1	20	SPARE			
SPARE	20	1			11							12			1	20	SPARE			
SPARE	20	1			13							14			1	20	SPARE			
SPARE	20	1			15							16			1	20	SPARE			
SPARE	20	1			17							18			1	20	SPARE			
SPARE	20	1			19							20			1	20	SPARE			
SPARE	20	1			21							22			1	20	SPARE			
SPARE	20	1			23							24			1	20	SPARE			
SPARE	20	1			25							26			1	20	SPARE			
SPARE	20	1			27							28			1	20	SPARE			
SPARE	20	1			29							30			1	20	SPARE			
SUB-TOTAL						780	400	400	655	400	200									
TOTAL						1415	800	600												
TOTAL CONNECTED LOAD:														2.8 kVA						
LIGHTING LOAD:														1.4 kVA x 100 % = 1.4 kVA						
RECEPTACLE LOAD:														1.4 kVA x 100 % = 1.4 kVA						
EQUIPMENT LOAD:														0.0 kVA x 50 % = 0.0 kVA						
TOTAL DEMAND LOAD:														2.8 kVA						
TOTAL DEMAND CURRENT:														8 A						

NOTES:

- BOND NEUTRAL AND GROUND BUS

4 Panelboard Schedules

Scale: Not To Scale

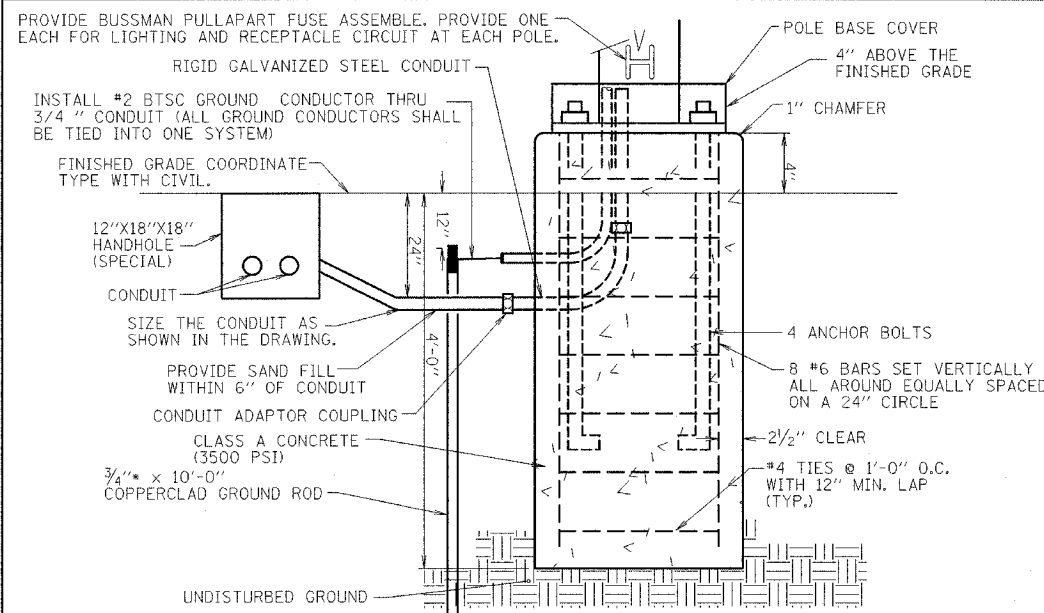
ELECTRICAL EQUIPMENT AND DEVICES					
LOCATION	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
12+40.34, 38.25 RT	1		1		
12+7.58, 23.79 LT	1		1		
11+76.08, 38.61 RT	1		1		
11+9.44, 38.98 RT	1		1		
11+8.8, 21.91 LT	1		1		
10+51.2, 39.31 RT		1	1		
10+50.57, 20.9 LT		1	1		
12+40.31, 33.17 RT				1	
12.783, 17.51 LT				1	
11+76.05, 33.53 RT				1	
11+9.41, 33.9 RT				1	
11+8.87, 17.1 LT				1	
10+54.1, 34.21 RT				1	
10+53.59, 16.88 LT				1	
09+65.17, 1.62 LT				2	
09+67.12, 33.45 RT					1

6 Schedule Of Quantities

Scale: Not To Scale

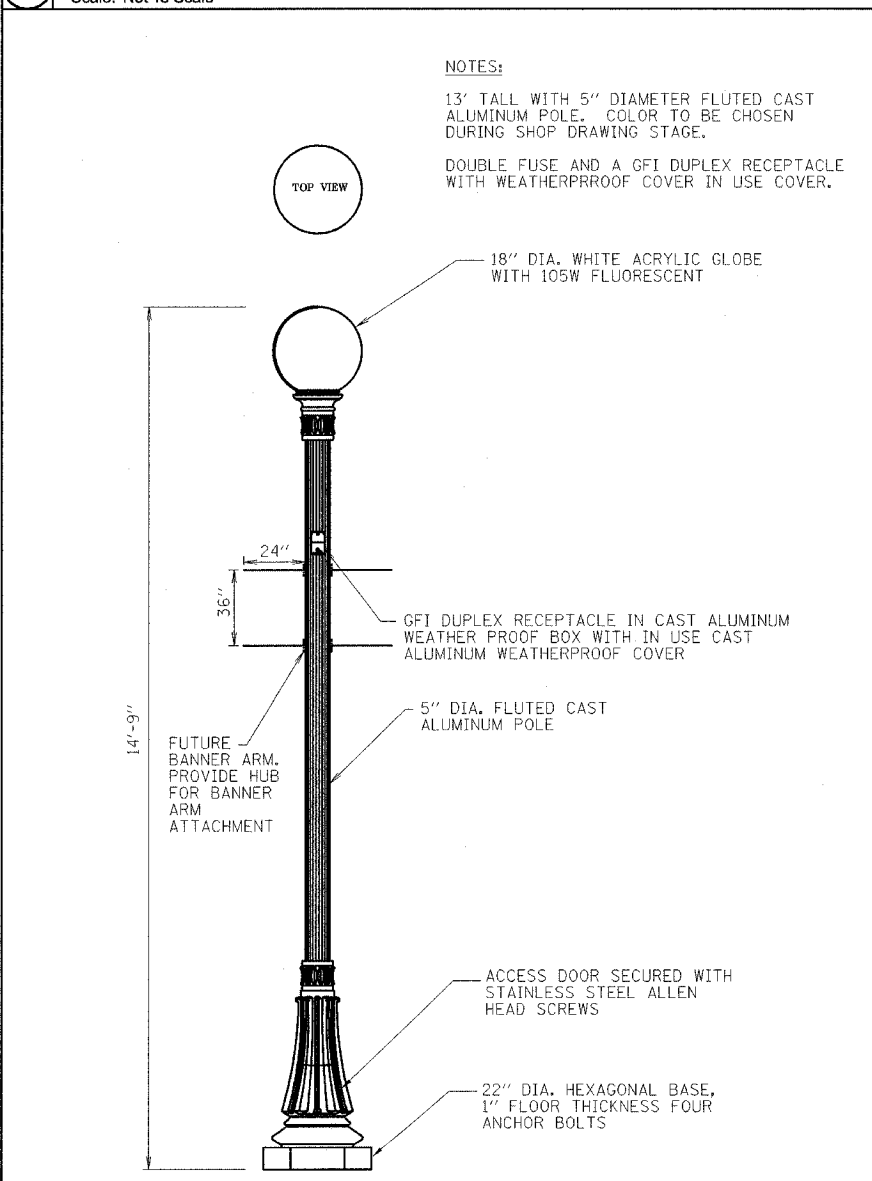
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00334-00-SW	MCLEAN	14	E1.3
STA. TO STA.		ILLINOIS FED. AID PROJECT		

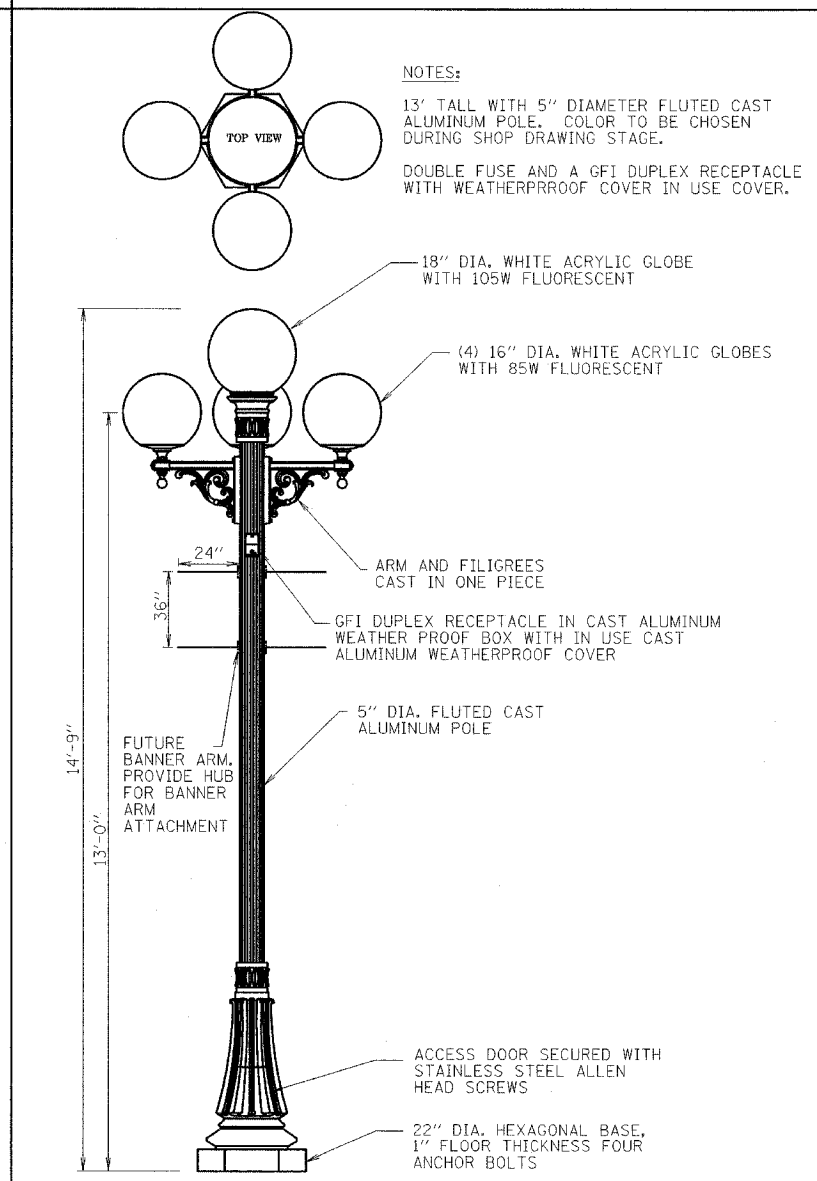


- NOTES:**
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO CHECK AND VERIFY ALL ANCHOR BOLT DIMENSIONS (SIZE, BOLT CIRCLE, ETC.) WITH THE LIGHTING STANDARD PRIOR TO INSTALLATION OF THE FOUNDATIONS.
 - CHAMFER EXPOSED EDGES OF ALL FOUNDATIONS.
 - PROVIDE INSULATING GROUNDING BUSHING ON EXPOSED ENDS (IN BASE OF POLE) OF ALL GALVANIZED STEEL BENDS.
 - ALL SPLICES SHALL TAKE PLACE AT THE ACCESS DOOR OF LIGHT POLE. NO SPLICES WILL BE ALLOWED IN HANDHOLES.
 - POLE BASES SHALL BE PAID FOR, PER EACH LIGHT POLE BASE.

4 Luminaire Base Details For Light Fixture Type A & B
Scale: Not To Scale



- NOTES:**
- 13' TALL WITH 5" DIAMETER FLUTED CAST ALUMINUM POLE. COLOR TO BE CHOSEN DURING SHOP DRAWING STAGE.
 - DOUBLE FUSE AND A GFI DUPLEX RECEPTACLE WITH WEATHERPROOF COVER IN USE COVER.



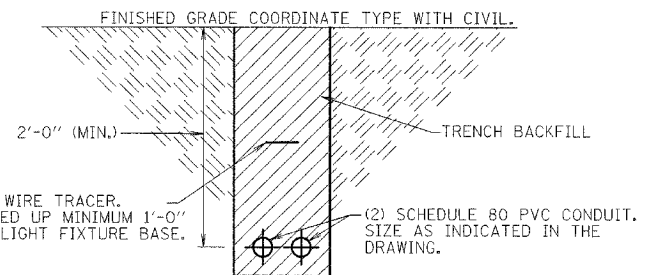
- NOTES:**
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6 Luminaire Detail For Light Fixture Type B
Scale: Not To Scale

5 Luminaire Detail For Light Fixture Type A
Scale: Not To Scale

- R-2 WP GFI: PANELBOARD CIRCUIT NUMBER
- WP GFI: GFI DUPLEX RECEPTACLE IN LIGHT POLE WITH WEATHERPROOF COVER IN USE COVER.
- Decorative Light with 5 Globe Light Fixture: DECORATIVE LIGHT WITH 5 GLOBE LIGHT FIXTURE ON POLE. SEE DETAIL.
- Decorative Light with Single Globe Light Fixture: DECORATIVE LIGHT WITH SINGLE GLOBE LIGHT FIXTURE ON POLE. SEE DETAIL.
- : UNDERGROUND CONDUIT AT 24" DEEP FOR LIGHT FIXTURES.
- A-LP-3: FIXTURE TYPE PANELBOARD CIRCUIT NUMBER
- : CONDUIT MINIMUM 2"
- : EQUIPMENT GROUND NEUTRAL CONDUCTOR PHASE CONDUCTOR

1 Legend
Scale: Not To Scale



2 Trench Backfill Details
Scale: Not To Scale

LUMINAIRE SCHEDULE							
TYPE	LUMINAIRE		LAMP DATA			REMARKS	
	MANUFACTURER/CATALOG NO.	DESCRIPTION	VOLT AMPS	VOLTS	LAMP CODE QNTY WATTS		
A	STERNBERG 4-G16WA 508A 478PM 208V G18WA 508BD5- 13' POLE-SP-SPA	POLE MOUNTED 5 GLOBE TYPE LIGHT FIXTURE. SEE LIGHT FIXTURE DETAILS.	445	120	(4) EIKO SP85/41/MED 85 WATT SELF BALLASTED FLUORESCENT (1) EIKO SP105/41/MED 105 WATT SELF BALLASTED FLUORESCENT	4 85 105	MOUNT LIGHT FIXTURES ON 13' TALL ALUMINUM POLE. SP=WITH GFI HUBBELL #GF8300GY RECEPTACLE AND IN USE WEATHERPROOF COVER SPA= PROVIDE ACRYLIC GLOBES HID BALLAST NOT REQUIRED. CONTRACTOR SHALL MATCH EXISTING LIGHT POLES, LUMINAIRES, AND BASES. (FIELD VERIFY PRIOR TO BIDDING). CONTRACTOR SHALL PROVIDE IN LINE FUSES AT ACCESS DOOR. ONE FOR LIGHTING CIRCUIT AND ONE FOR RECEPTACLE.
B	STERNBERG G18WA 508BD5 208V- 13' POLE-SP-SPA	POLE MOUNTED 1 GLOBE TYPE LIGHT FIXTURE. SEE LIGHT FIXTURE DETAILS.	105	120	(1) EIKO SP105/41/MED 105 WATT SELF BALLASTED FLUORESCENT	1 105	MOUNT LIGHT FIXTURES ON 13' TALL ALUMINUM POLE. SP=WITH GFI HUBBELL #GF8300GY RECEPTACLE AND IN USE WEATHERPROOF COVER SPA=PROVIDE ACRYLIC GLOBES HID BALLAST NOT REQUIRED. CONTRACTOR SHALL MATCH EXISTING LIGHT POLE, LUMINAIRE, AND BASE. (FIELD VERIFY PRIOR TO BIDDING). CONTRACTOR SHALL PROVIDE IN LINE FUSES AT ACCESS DOOR. ONE FOR LIGHTING CIRCUIT AND ONE FOR RECEPTACLES.

3 Luminaire Schedule
Scale: Not To Scale

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ELECTRICAL DETAILS

CITY OF BLOOMINGTON
DOWNTOWN MAIN STREET BEAUTIFICATION
FRONT STREET TO WASHINGTON STREET

SCALE: VERT. HORIZ. DATE: 01-31-08
DRAWN BY: CHECKED BY:

PLOT DATE = 08/15/08
FILE NAME = BFILEL18
USER NAME = AUSER1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00334-00-SW	MCLEAN	14	E1.4
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

ELECTRICAL SPECIFICATION

1. RELATED DOCUMENTS

- A. GENERAL PROVISIONS OF THE CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS, APPLY TO WORK INDICATED ON THE ELECTRICAL DRAWINGS.
- B. THESE DRAWINGS INDICATE THE GENERAL EXTENT OF THE WORK AND ARE NOT INTENDED TO INDICATE OR DESCRIBE ALL WORK REQUIRED FOR THE FULL PERFORMANCE AND COMPLETION OF THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. REFER TO THE CONTRACT DOCUMENTS FOR ADDITIONAL REQUIREMENTS GOVERNING THE WORK OF THIS CONTRACT.
- C. EXISTING CONDITIONS SHOWN ARE BASED ON INFORMATION OBTAINED FROM THE FIELD OBSERVATIONS, AND SHALL NOT BE CONSIDERED "AS-BUILT" AND EXTREME ACCURACY IS NOT GUARANTEED. THE CONTRACTOR SHALL FIELD VERIFY EXISTING INSTALLATIONS BEFORE SUBMITTING THE BID AND PRIOR TO COMMENCING WORK TO ENSURE PROPER COORDINATION AND BE FULLY FAMILIAR WITH EXISTING CONDITIONS. NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES.

2. SCOPE OF WORK

- A. PROVIDE ALL LABOR, MATERIALS, TOOLS, AND EQUIPMENT REQUIRED FOR A COMPLETE AND FUNCTIONAL ELECTRICAL SYSTEM AS SPECIFIED AND INDICATED ON THE DRAWINGS.
- B. MAKE APPLICATION, OBTAIN, AND PAY FOR ALL LICENSES, PERMITS, INSPECTIONS, AND FEES REQUIRED BY ALL AUTHORITIES HAVING JURISDICTION FOR ELECTRICAL SYSTEMS.
- C. PROMPTLY INFORM THE ENGINEER IN WRITING OF ANY DEVIATIONS IN THE CONTRACT DOCUMENTS FROM REQUIREMENTS OF LOCAL UTILITIES OR LOCAL STATE OR FEDERAL LAWS AND RULES. PERFORM THE WORK IN ACCORDANCE WITH SUCH REQUIREMENTS AT NO ADDITIONAL COST TO THE OWNER.

3. SUBMITTALS

- A. SUBMIT A MINIMUM OF SIX (6) SETS OF MANUFACTURERS' PRODUCT LITERATURE FOR ALL MAJOR ELECTRICAL EQUIPMENT PROVIDED.
- B. UPON SUBSTANTIAL COMPLETION OF THE WORK THE CONTRACTOR SHALL SUBMIT FULLY DETAILED RECORD DRAWINGS TO THE OWNER. THE CONTRACTOR'S RECORD DRAWINGS SHALL SHOW THE COMPLETE ELECTRICAL INSTALLATION.
- C. SUBMIT A MINIMUM OF SIX (6) SETS OPERATING AND MAINTENANCE MANUALS FOR ALL INSTALLED EQUIPMENT. MANUALS SHALL INCLUDE THE FOLLOWING:
 - 1. PRODUCT INFORMATION.
 - 2. NORMAL OPERATING CHARACTERISTICS AND LIMITS.
 - 3. ENGINEERING DATA.
 - 4. COMMERCIAL REPLACEMENT PART NUMBERS.
 - 5. OPERATING AND MAINTENANCE INSTRUCTIONS.
- D. SUBMIT ORIGINAL CERTIFICATES OF INSPECTION AND OTHER CERTIFICATES OF COMPLETION OR ACCEPTANCE TO THE OWNER.

4. QUALITY ASSURANCE

- A. MANUFACTURER QUALIFICATIONS: PROVIDE ELECTRICAL PRODUCTS OF MANUFACTURERS REGULARLY ENGAGED IN MANUFACTURING ELECTRICAL PRODUCTS COMPLYING WITH PROJECT REQUIREMENTS THAT HAVE BEEN USED ON AT LEAST FIVE PROJECTS OF SIMILAR SIZE AND SCOPE AS THIS PROJECT.
- B. INSTALLER QUALIFICATIONS: FIRMS WITH AT LEAST THREE (3) YEARS OF SUCCESSFUL INSTALLATION EXPERIENCE ON PROJECTS WITH ELECTRICAL EQUIPMENT AND MATERIALS SIMILAR TO THAT REQUIRED FOR THIS PROJECT.
- C. PROVIDE ELECTRICAL EQUIPMENT AND MATERIALS THAT ARE UL LISTED AND LABELED.
- D. INSTALL WORK TO MEET THE REQUIREMENTS OF THE MOST CURRENT EDITION OF THE FOLLOWING CODES AS APPLICABLE TO INSTALLATION AND MATERIALS OF ELECTRICAL EQUIPMENT AND PRODUCTS:
 - 1. NFPA-70, NATIONAL ELECTRICAL CODE.
 - 2. ANSI/IEEE C2, NATIONAL ELECTRICAL SAFETY CODE.
 - 3. OSHA, OCCUPATIONAL SAFETY AND HEALTH ACT.
- E. ALL ELECTRICAL MATERIALS AND INSTALLATIONS SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL LAWS, RULES, AND ORDINANCES.
- F. ALL ELECTRICAL EQUIPMENT AND MATERIALS SHALL BE NEW AND MEET THE REQUIREMENTS OF ALL APPLICABLE STANDARDS OF THE FOLLOWING ORGANIZATIONS:
 - 1. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI).
 - 2. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM).
 - 3. CERTIFIED BALLAST MANUFACTURERS (CBM).
 - 4. ELECTRONIC INDUSTRIES ASSOCIATION (EIA).
 - 5. ELECTRICAL TESTING LABORATORIES (ETL).
 - 6. FACTORY MUTUAL (FM).
 - 7. ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IES).
 - 8. THE INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE).
 - 9. NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA).
 - 10. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA).
 - 11. UNDERWRITERS' LABORATORIES, INC. (UL).

5. DELIVERY, STORAGE AND HANDLING

- A. DELIVER ELECTRICAL EQUIPMENT AND MATERIALS IN FACTORY-FABRICATED TYPE CONTAINERS AND WRAPPINGS, WHICH PROPERLY PROTECT THE CONTENTS FROM DAMAGE. MARK EACH PACKAGE OR PIECE WITH THE MANUFACTURER'S NAME, VENDOR'S NAME, OWNER'S NAME, AND THE PROJECT NAME AND NUMBER.
- B. DELIVER ELECTRICAL PRODUCTS TO THE JOB SITE PROPERLY IDENTIFIED WITH NAMES, MODEL NUMBERS, TYPES, GRADES, COMPLIANCE LABELS, AND OTHER INFORMATION REQUIRED FOR IDENTIFICATION.
- C. DO NOT RELEASE MATERIALS TO THE JOB SITE UNTIL THE TIME FOR INSTALLATION.

- D. DO NOT RELEASE MATERIALS TO THE JOB SITE UNTIL THE TIME FOR INSTALLATION.
- E. COORDINATE DELIVERY OF ELECTRICAL EQUIPMENT TO ALLOW MOVEMENT INTO DESIGNATED SPACE WHERE IT WILL BE INSTALLED.
- F. STORE ELECTRICAL PRODUCTS IN ORIGINAL PACKAGING AND PROTECTED FROM WEATHER AND CONSTRUCTION TRAFFIC. WHEREVER POSSIBLE STORE IN A DRY PLACE FREE FROM DAMAGE AND ABUSE. WHERE NECESSARY TO STORE OUTDOORS, STORE ABOVE GRADE AND ENCLOSE WITH WATERTIGHT WRAPPING.
- G. STORE ELECTRICAL EQUIPMENT AND MATERIAL IN A DRY PLACE SO CONDENSATION WILL NOT FORM ON OR IN THE EQUIPMENT.
- H. HANDLE ELECTRICAL EQUIPMENT AND MATERIALS CAREFULLY TO PREVENT PHYSICAL DAMAGE. DO NOT INSTALL DAMAGED MATERIALS; REMOVE FROM JOB SITE AND REPLACE WITH NEW.
- I. HANDLE ELECTRICAL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. WHERE PROVIDED USE FACTORY INSTALLED LIFTING PROVISIONS.

6. PROJECT/SITE CONDITIONS

- A. DO NOT INTERFERE WITH THE USE OF ADJACENT AREAS NOT INCLUDED IN THE SCOPE OF WORK. MAINTAIN FREE AND SAFE PASSAGEWAYS TO AND FROM SUCH AREAS. DO NOT CLOSE OR OBSTRUCT THE ROAD OR SIDEWALK.
- B. MAINTAIN SERVICES PASSING THROUGH THE WORK AREA TO SERVE AREAS THAT REMAIN IN USE.

7. COORDINATION

- A. THE CONTRACTOR SHALL REVIEW THE DRAWINGS OF ALL OTHER DISCIPLINES AND VERIFY THE LOCATION AND SIZE OF ELECTRICAL EQUIPMENT WILL FIT AND MATE WITH WORK OF OTHER TRADES.
- B. ALL DIFFICULTIES THAT ARE A RESULT OF NOT COORDINATING THE WORK SHALL BE RESOLVED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

8. GUARANTEE

- A. THE CONTRACTOR SHALL GUARANTEE THE ELECTRICAL WORK TO BE FREE OF DEFECTS IN MATERIAL AND WORKMANSHIP AND OPERATE AS DESIGNED FOR A PERIOD OF ONE (1) YEAR FROM DATE OF OPERATION OF LIGHTS.
- B. SHOULD ANY PORTION OF THE ELECTRICAL WORK BE FOUND DEFECTIVE THE CONTRACTOR SHALL REPAIR OR REPLACE, AT THE OWNER'S OPTION, THE DEFECTIVE PORTION(S) OF THE WORK.
- C. UPON NOTIFICATION OF A GUARANTEE ISSUE THE CONTRACTOR SHALL PROVIDE ALL NECESSARY LABOR AND MATERIALS IN A REASONABLE AMOUNT OF TIME AND AT NO ADDITIONAL EXPENSE TO THE OWNER DURING THE GUARANTEE PERIOD.
- D. THIS GUARANTEE IS IN ADDITION TO ANY AND ALL EQUIPMENT MANUFACTURERS' WARRANTIES.

9. EXECUTION - GENERAL

- A. DO NOT SCALE DRAWINGS; FOLLOW NOTES AND WRITTEN DIMENSIONS.
- B. BRANCH CIRCUIT FOR RECEPTACLES ON POLE IS 20A/1P AND BRANCH CIRCUIT FOR DECORATIVE LIGHTS IS 20A/2P, UNLESS INDICATED OTHERWISE.

10. EXAMINATION

- A. CEASE OPERATIONS AND NOTIFY THE OWNER IMMEDIATELY IF PERSONNEL SAFETY OR STRUCTURAL STABILITY APPEARS TO BE ENDANGERED. TAKE PRECAUTIONS TO PROPERLY SUPPORT UNSTABLE ELEMENTS. DO NOT RESUME WORK UNTIL SAFETY IS RESTORED.

11. INSTALLATION

- A. RACEWAYS AND BOXES
 - 1. ALL POWER WIRING SHALL BE INSTALLED IN CONDUIT. THE CONDUIT SHALL BE RIGID GALVANIZED STEEL CONDUIT AND RIGID PVC SCHEDULE 80 (MINIMUM).
 - 2. ALL CONDUIT BENDS SHALL BE RIGID GALVANIZED STEEL.
 - 3. PROVIDE GROUNDING TYPE BUSHINGS WITH INTEGRAL GROUND LUG FOR BONDING METAL CONDUITS TO METAL ENCLOSURES.
 - 4. CAP THE ENDS OF ALL CONDUITS DURING ROUGH-IN TO PREVENT ACCESS TO DIRT AND MOISTURE.
 - 5. HANDHOLE (SPECIAL) SHALL BE A 12"x18"x18" QUARTZITE BOX.

B. WIRES AND CABLES

- 1. BRANCH CIRCUIT CONDUCTORS SHALL BE RATED 600 VAC, TYPE XHHW-2 INSULATION, AND STRANDED COPPER FOR SIZES #6 AND LARGER.
- 2. FEEDER CONDUCTORS SHALL BE RATED 600 VAC, STRANDED COPPER TYPE XHHW-2 INSULATION.
- 3. SPLICE CONDUCTORS ONLY AT THE POLE BASE. SPLICES SHALL NOT BE PULLED INTO CONDUIT. SPLICE AND TAP CONNECTORS SHALL BE COMPATIBLE WITH CONDUCTOR MATERIAL AND POSSESSES EQUIVALENT OR BETTER MECHANICAL STRENGTH AND INSULATION RATING THAN CONDUCTORS BEING SPLICED.

C. WIRING DEVICES

- 1. PROVIDE HEAVY DUTY SPECIFICATION GRADE WIRING DEVICES AS MANUFACTURED BY HUBBELL INC., GE WIRING DEVICES, OR ARROW HART. ALL WIRING DEVICES PROVIDED SHALL BE THE PRODUCTS OF ONE MANUFACTURER.
 - A) WEATHERPROOF, GROUND FAULT CIRCUIT INTERRUPTER TYPE RECEPTACLES SHALL BE HEAVY DUTY SPECIFICATION GRADE, NEMA 5-20R.
- 2. OUTLETS IN DECORATIVE POLE SHALL BE FLUSH MOUNTED UNLESS INDICATED OTHERWISE. MOUNT RECEPTACLE WITH GROUND CONNECTION UP.
- 3. STANDARD MOUNTING HEIGHT FOR ALL RECEPTACLES MOUNTED IN DECORATIVE POLE SHALL BE PROVIDED AS INDICATED IN THE DRAWING.
- 4. WEATHERPROOF COVERS FOR OUTLETS SHALL BE " IN USE WEATHERPROOF " TYPE INSTALLED IN THIS PROJECT. AND COLOR SHALL MATCH WITH POLE.

D. ELECTRICAL IDENTIFICATION

- 1. ALL ELECTRICAL INSTALLATIONS SHALL BE IDENTIFIED AND LABELED USING UL LISTED IDENTIFICATION PRODUCTS. IDENTIFICATION SHALL BE PROVIDED FOR THE FOLLOWING:
 - A) BRANCH CIRCUIT AND FEEDER CONDUCTORS.
 - B) RECEPTACLES
- 2. CIRCUIT CONDUCTORS SHALL BE COLOR CODED ACCORDING TO THE FOLLOWING.
 - A) PHASE A: BLACK - 120/208 VAC;
 - B) PHASE B: RED - 120/208 VAC;
 - C) PHASE C: BLUE - 120/208 VAC;
 - D) NEUTRAL: WHITE
 - E) GROUND: GREEN
- 3. CABLE IDENTIFICATION SHALL INCLUDE COLOR CODING AND CIRCUIT NUMBER.
- 4. RACEWAY IDENTIFICATION SHALL BE PREPRINTED SELF-ADHESIVE PLASTIC TAPE 4" LONG WITH 1-1/8" HIGH LETTERING EXTENDING 360° AROUND THE CONDUIT.
- 5. UPDATE CIRCUIT DIRECTORIES FOR 100 AMP LOAD CENTERS. INDICATE THE LOAD CENTER RATINGS TOGETHER WITH THE LOAD DESCRIPTION SERVED FOR EACH BRANCH CIRCUIT.

E. GROUNDING

- 1. PROVIDE GREEN INSULATED EQUIPMENT GROUNDING CONDUCTORS IN ALL BRANCH CIRCUITS AND FEEDERS SIZED ACCORDING TO NEC ARTICLE 250, UNLESS INDICATED OTHERWISE.
- 2. GROUND ALL ELECTRICAL SYSTEMS AND EQUIPMENT ACCORDING TO NEC ARTICLE 250.

F. LIGHTING

- 1. CONTRACTOR SHALL PROVIDE ALL LUMINAIRES INDICATED ON THE DRAWINGS AND SPECIFIED IN THE GENERAL NOTES, COMPLETE WITH LAMPS, AND SPECIFIED OR NECESSARY ACCESSORIES.
- 2. FIELD VERIFY LUMINAIRE COMPATIBILITY WITH ADJACENT CONSTRUCTION AND FINISH AND COORDINATE WITH ALL TRADES. LUMINAIRES SHALL BE PROVIDED COMPLETE WITH ALL HARDWARE, LAMPS, AND ACCESSORIES.
- 3. ALL LUMINAIRES SHALL BE UL LISTED FOR THE INTENDED LOCATION.
- 4. LIGHTING BRANCH CIRCUIT DESIGN IS BASED ON THE ELECTRICAL DATA INDICATED.
- 5. LUMINAIRES INSTALLED IN EXTERIOR LOCATIONS SHALL BE SUITABLE FOR LOCAL TEMPERATURES AND CONDITIONS.
- 6. MANUFACTURER'S STANDARD FINISH WILL BE SELECTED DURING REVIEW OF THE SHOP DRAWINGS. LUMINAIRES SHALL BE FABRICATED COMPLETE PRIOR TO APPLICATION OF THE FINISH.
- 7. LUMINAIRE FINISHES SHALL BE MANUFACTURER'S STANDARD APPLIED OVER CORROSION RESISTANT TREATMENT OR PRIMER. PAINT FINISHES SHALL BE FREE OF STREAKS, RUNS, STAINS, BLISTERS, AND SIMILAR DEFECTS.
- 8. ALL LIGHT FIXTURES SHALL BE WEATHERPROOF AND RUSTPROOF.
- 9. EACH FIXTURE SHALL HAVE SEPERATE FUSE FOR LUMINAIRE AND SEPERATE FUSE FOR RECEPTACLE
- 10. BALLAST SHALL OPERATE FROM -20°F TO 120°F
- 11. CLEAN FIXTURES AFTER INSTALLATION. USE METHODS AND MATERIALS RECOMMENDED BY MANUFACTURER.
- 12. FINISH OF POLE/SUPPORT STRUCTURE FOR ARM, BRACKET, AND TENON MOUNT MATERIALS SHALL MATCH WITH LIGHT FIXTURE OR VICE VERSA.
- 13. POLE/SUPPORT STRUCTURE BASES: ANCHOR TYPE WITH HOLD DOWN OR ANCHOR BOLTS LEVELING NUTS, AND BOLT COVERS.
- 14. CONCRETE FOR POLE FOUNDATIONS:
 - A) DESIGN STRENGTH: 3000 PSIG (20.7-MPa), 28 DAY COMPRESSIVE STRENGTH
- 15. PROVIDE BREAKWAY CONNECTION FUSE HOLDERS ON ALL POLES AT BASE.
- 16. PROVIDE FACTORY MOUNTED 24"x36" DOUBLE ARM BANNER ATTACHMENT ON ONLY FOUR POLES. SEE DETAILS IN DRAWING. LOCATION SHALL BE DETERMINED BY OWNER.

12. GRADING AND PLANTING

- A. RESTORE SURFACE FEATURES, INCLUDING VEGETATION, AT AREAS DISTURBED BY WORK OF THIS SECTION. REESTABLISH ORIGINAL GRADES UNLESS OTHERWISE INDICATED. RESTORE AREAS DISTURBED BY TRENCHING, BORING, STORING DIRT, CABLE LAYING, AND OTHER TO THEIR ORIGINAL CONDITION. MAINTAIN RESTORED SURFACES.

13. ADJUSTING

- A. TEST AND ADJUST, WHERE NECESSARY, ELECTRICAL EQUIPMENT AND DEVICES IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE TO ENSURE EQUIPMENT OPERATES AS INTENDED. REPAIR OR REPLACE MALFUNCTIONING UNITS AT THE SITE AND RETEST.

14. PROTECTION

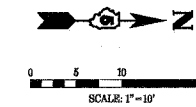
- A. PROVIDE AND MAINTAIN TEMPORARY PROTECTION OF EXISTING CONDITIONS THAT ARE TO REMAIN AS WELL AS INSTALLED NEW WORK. SUCH PROTECTION SHALL INCLUDE GUARDS AND BARRIERS WHERE MATERIALS ARE HANDLED OR EQUIPMENT MOVED AND DUST PROOF PARTITIONS TO PREVENT THE SPREAD OF DUST, FUMES, AND NOISE TO OTHER AREAS. UPON COMPLETION OF THE WORK REMOVE THE PARTITIONS AND REPAIR DAMAGED SURFACES TO MATCH ADJACENT SURFACES. THE CONTRACTOR SHALL REPAIR OR REPLACE AT THE OWNER'S OPTION ANY PORTION OF THE WORK OR ANY PART OF EXISTING BUILDING THAT IS DAMAGED DUE TO INADEQUATE PROTECTION. SUCH REPAIRS SHALL BE AT NO COST TO THE OWNER.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 ELECTRICAL SPECIFICATIONS
 CITY OF BLOOMINGTON
 DOWNTOWN MAIN STREET BEAUTIFICATION
 FRONT STREET TO WASHINGTON STREET
 SCALE: VERT.
 HORIZ.
 DATE: 01-31-08
 DRAWN BY:
 CHECKED BY:

PLOT DATE = 08/07/08
 FILE NAME = 06ELE1.4
 USER NAME = AUSTIN

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00334-00-SW	MCLEAN	14	L1.1
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



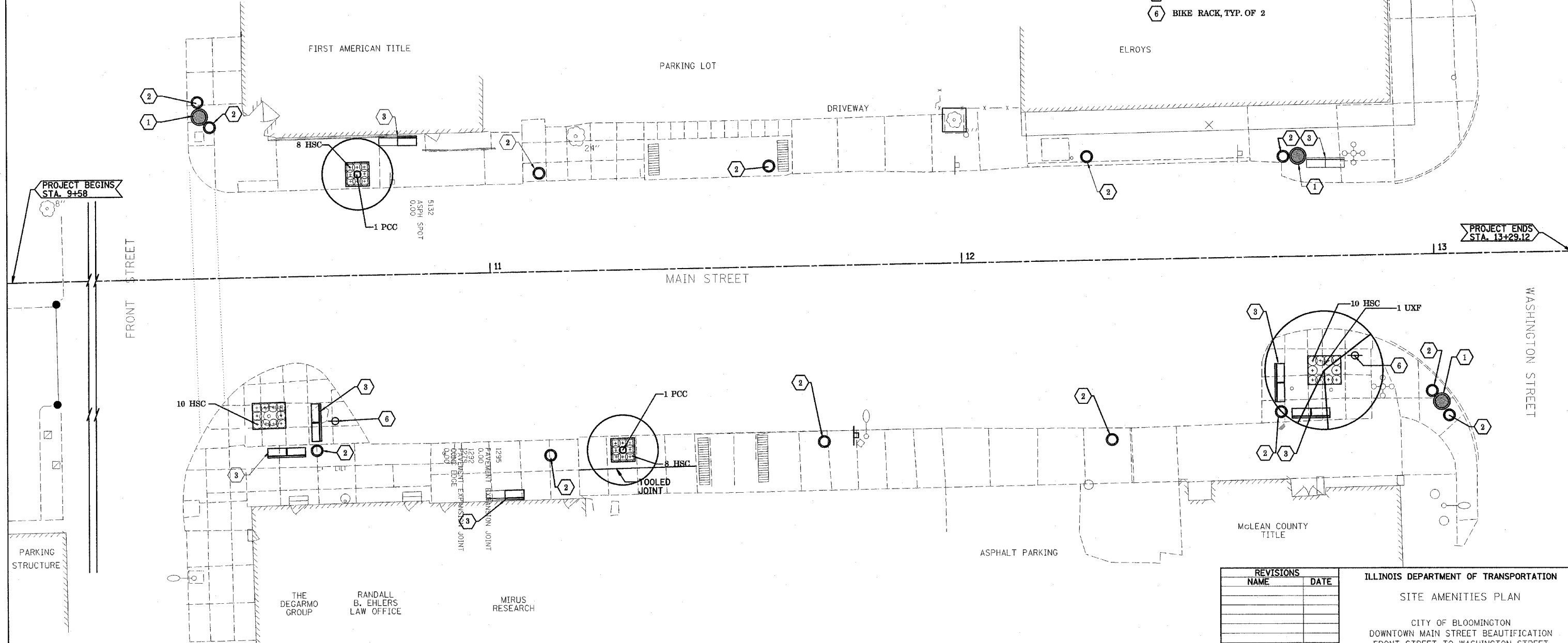
GENERAL NOTES

1. PLANT SPECIES AND/OR SIZE 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, UTILITY LOCATIONS, AND WATER CONDITIONS BEFORE PROCEEDING WITH THE WORK.
3. THE CONTRACTOR SHALL FIELD CHECK AND VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES BETWEEN CONSTRUCTION DOCUMENTS AND ACTUAL FIELD CONDITIONS TO THE OWNER'S REPRESENTATIVE 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. ALL TREES ARE SINGLE STEM UNLESS OTHERWISE NOTED.
6. FORM PLANTING MIX FOR ALL TREE PITS/PLANT BEDS BY MIXING COMPOST AND SANDY LOAM TOPSOIL AT A 1:3 RATIO BEFORE BACKFILLING.
7. SPECIES OF THE SAME VARIETY SHALL BE OF UNIFORM HEIGHT, SPREAD, AND SHAPE AND OF SPECIMEN QUALITY. LOWEST BRANCHES OF ALL TREES MUST BE A MINIMUM OF 6' ABOVE THE TOP OF ROOT BALL.
8. CONTRACTOR WILL BE REQUIRED TO PROVIDE ACCESS FOR THE LANDSCAPE ARCHITECT AND OWNER TO REVIEW AND DOCUMENT ALL PLANTS SELECTED FOR PROJECT A MINIMUM OF ONE MONTH PRIOR TO INSTALLATION AT PLACE OF GROWTH AND AGAIN AT THE JOB SITE PRIOR TO PLANTING. THE LANDSCAPE ARCHITECT AND OWNER RESERVE THE RIGHT TO REJECT ANY PLANTS WHICH DO NOT MEET REQUIREMENTS OUTLINED IN THESE DRAWINGS AND SPECIFICATION SECTION 02930 IN THE PROJECT MANUAL. REPLACING OR ALLOWING A DECLINE IN HEALTH TO ANY PLANT AFTER REVIEW AT PLACE OF GROWTH WILL BE CAUSE FOR REJECTION OF THE TREE.
9. SPREAD PREEMERGENCE HERBICIDE AND 3" OF SHREDDED BARK MULCH IN ALL PLANTING BEDS. PREEMERGENCE HERBICIDE SHALL BE SPREAD PRIOR TO INSTALLTION OF MULCH.
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 QUALITY, GENUS, SIZE, SPECIES, AND VARIETY OF PLANTS COMPLYING WITH APPLICABLE REQUIREMENTS OF ANSI Z60.1, "AMERICAN STANDARD FOR NURSERY STOCK."
13. SEE SCHEDULES FOR STATION AND OFFSETS FOR LANDSCAPE AMENITIES.

PLANT SCHEDULE				
QTY.	SYMBOL	SCIENTIFIC NAME	COMMON NAME	SIZE
36	HSC	Hemerocallis 'Strawberry Candy'	Strawberry Candy Daylily	1 GAL.
2	PCC	Pyrus calleryana 'Chanticleer'	Chanticleer Callery Pear	2 1/2" B.B.
1	UXF	Ulmus parvifolia 'Frontier'	Frontier Hybrid Elm	2 1/2" B.B.

KEYNOTES

- 1 ORNAMENTAL PLANTER, 42". TYP. OF 3
- 2 ORNAMENTAL PLANTER, 30". TYP. OF 13
- 3 METAL BENCH, 8'. TYP. OF 7
- 4 RESERVED
- 5 RESERVED
- 6 BIKE RACK, TYP. OF 2



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SITE AMENITIES PLAN

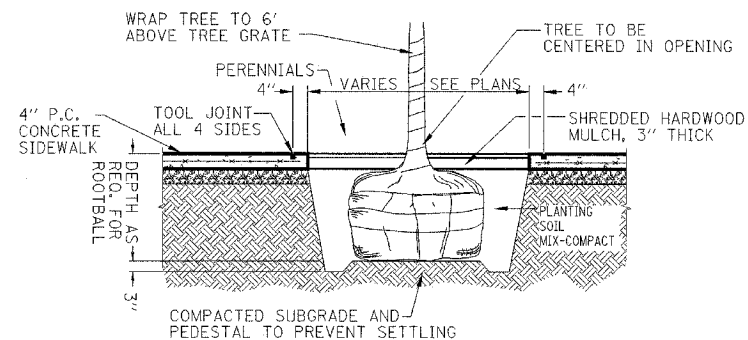
CITY OF BLOOMINGTON
DOWNTOWN MAIN STREET BEAUTIFICATION
FRONT STREET TO WASHINGTON STREET

SCALE: VERT. _____
HORIZ. _____
DATE: 01-31-08

DRAWN BY: _____
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PLOT SCALE = #SCALE#
USER NAME = #USER#

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00334-00-SW	MCLEAN	14	L2.1
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR INSURING TREE MAINTAINS ITS VERTICAL POSITION IN PIT. IF TREE APPEARS UNSTABLE, CONTRACTOR IS TO PROVIDE ADEQUATE GUYING OR STAKING TO STABILIZE TREE. METHOD OF GUYING OR STAKING MUST BE APPROVED BY LANDSCAPE ARCHITECT.
2. EXCAVATE ENTIRE PIT TO DEPTH OF ROOT BALL FOR PLANTING SOIL MIX.

1 TREE PIT CROSS SECTION
N.T.S.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 LANDSCAPE DETAILS

 CITY OF BLOOMINGTON
 DOWNTOWN MAIN STREET BEAUTIFICATION
 FRONT STREET TO WASHINGTON STREET

 SCALE: VERT.
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 DATE: 01-31-08

 DRAWN BY:
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PLOT DATE = #DATE\$
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 PLOT SCALE = #SCALE\$
 USER NAME = #USER\$