

# CITY OF WEST FRANKFORT

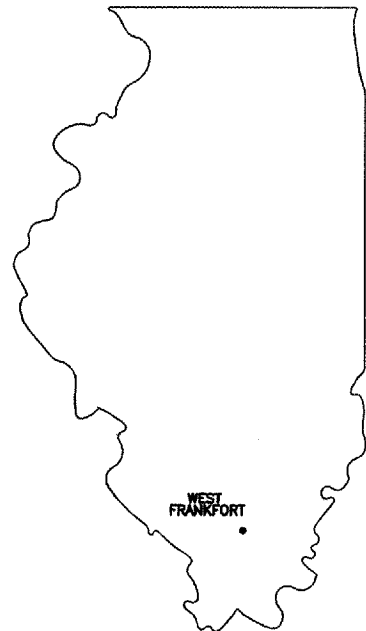
## PLANS FOR DOWNTOWN STREETScape

ILLINOIS TRANSPORTATION ENHANCEMENT PROGRAM

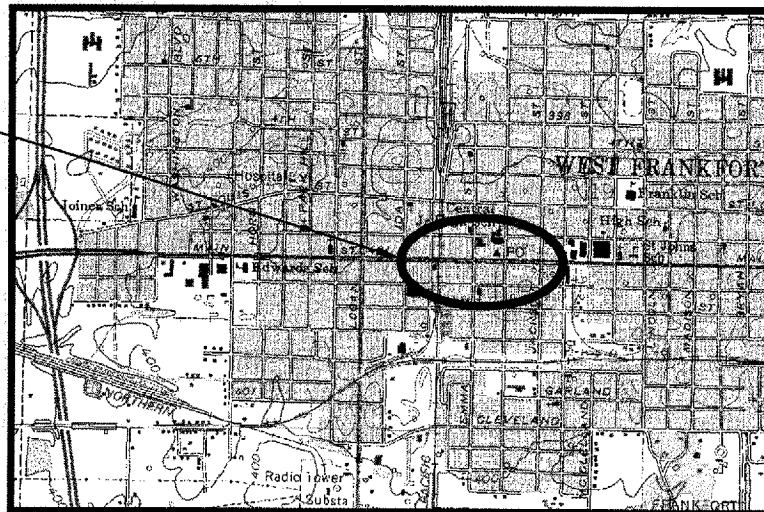
PROJECT NO. TE-00D9(93)  
SECTION 06-00054-00-SW  
JOB NO. C-99-500-07

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00054-00-SW	FRANKLIN	8	1
WEST FRANKFORT		MAIN STREET		

CONTRACT NO. 99302  
PROJECT NO. TE-00D9(93)



PROPOSED  
IMPROVEMENTS



LOCATION MAP APPROXIMATE SCALE: 1" = 0.5 MI.  
LENGTH OF IMPROVEMENT = 900 FEET (0.17 MILES)

### INDEX OF SHEETS

- 1 COVER SHEET
- 2 SUMMARY OF QUANTITIES  
AND MATERIAL SCHEDULES
- 3 TYPICAL DETAILS
- 4-7 PLAN VIEW
- 8 ELECTRICAL DETAILS

#### HIGHWAY STANDARDS

- 000001-05 STANDARD SYMBOLS, ABBREVIATIONS & PATTERNS
- 424001-05 CURB RAMPS FOR SIDEWALKS
- 701006-02 OFF RD OP, 2L, 2W, 15' TO EOP
- 701301-02 LANE CLOS., 2L, 2W, SHORT TIME OPERATIONS
- 701501-04 URBAN LANE CLOS., 2L, 2W
- 701801-03 LANE CLOS., CROSSWALK CLOS.
- 701901 TRAFFIC CONTROL DEVICES

#### UTILITIES

ALL EXISTING UTILITIES AND LOCATIONS TO BE  
CONFIRMED BY J.U.L.I.E. 800-892-0123

B.R.I. JOB NO. 05-136

*Jim W. Brown*  
JIM W. BROWN, PRESIDENT  
ILLINOIS PROFESSIONAL DESIGN FIRM  
LAND SURVEY & PROF. ENG. CORP.  
NUMBER 184-002518  
EXPIRES APRIL 30, 2009  
DATE: JAN. 31, 2008



**BROWN AND ROBERTS, INC.**  
CONSULTING ENGINEERS AND LAND SURVEYORS

1 WEST RIDGE ROAD HARRISBURG, IL 62946 (618) 252-8111

CITY OF WEST FRANKFORT

APPROVED

2/1/08

*M. Annunzio Wesley*  
MAYOR, CITY OF WEST FRANKFORT

PASSED

FEB. 5, 2008

*Dennis W. Hill*  
DISTRICT 9 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID  
BASED ON LIMITED  
REVIEW

Feb 7, 2008

*Mary C. Lamie*  
MARY C. LAMIE, P.E.  
DEPUTY DIRECTOR OF HIGHWAYS  
REGION FIVE ENGINEER

**CURB AND GUTTER REMOVAL  
AND REPLACEMENT SCHEDULE**

STATION	LIN. FT.	STATION	LIN. FT.
0+79 RT TO 0+95 RT	16	4+27 RT TO 4+45 RT	19
1+24 LT TO 1+39 LT	26	4+80 LT TO 4+92 LT	24
1+25 RT TO 1+28 RT	8	4+80 RT TO 5+20 RT	40
2+19 RT TO 2+76 RT	67	5+74 RT TO 5+95 RT	21
2+75 LT	10	6+30 RT TO 6+40 RT	10
2+94 RT TO 3+03 RT	12	6+60 LT TO 6+75 LT	15
3+10 RT TO 3+15 RT	5	7+08 RT TO 7+18 RT	10
3+34 RT TO 3+49 RT	15	7+16 LT TO 7+54 LT	38
3+77 RT TO 3+85 RT	8	7+67 LT TO 8+33 LT	66
4+13 LT TO 4+35 LT	22	8+31 RT TO 8+38 RT	7

TOTAL 439

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00054-00-SW	FRANKLIN	8	2
WEST FRANKFORT		MAIN STREET		

**CONTRACT NO. 99302  
PROJECT NO. TE-00D9(93)**

**SUMMARY OF QUANTITIES**

ITEM NO.	PAY ITEM	UNIT	QUANTITY
			<i>SFTY-1B</i>
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ. FT.	370
42400600•	PORTLAND CEMENT CONCRETE SIDEWALK SPECIAL	SQ. FT.	15,890
42400800	DETECTABLE WARNINGS	SQ. FT.	114
44000600•	SIDEWALK REMOVAL	SQ. FT.	16,260
44001700•	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	439
67100100	MOBILIZATION	L SUM	1
△ A2008016	TREE, TILIA CORDATA (LITTLE LEAF LINDEN) 2' CALIPER, BALLED AND BURLAPPED	EACH	8
△ X0300635•	PLANTER	EACH	4
△ X0444100•	BENCHES	EACH	4
△ XX002918•	TREE FRAME AND GRATES	EACH	8
△ Z0020000•	ELECTRICAL SYSTEM COMPLETE	L SUM	1

△ SPECIALTY ITEMS

**TREE, FRAME  
AND GRATE  
LOCATIONS**

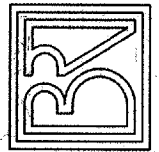
STATION	OFFSET
1+99	31' RT
2+38	31' LT
3+68	31' RT
3+86	31' LT
5+30	31' RT
5+88	31' LT
7+26	31' LT
7+85	31' RT

**SIDEWALK REMOVAL AND REPLACEMENT SCHEDULE**

STATION	SIDEWALK REMOVAL SQ. FT.	PC SIDEWALK SQ. FT.	PC SW SPECIAL SQ. FT.	DETECTABLE WARNINGS SQ. FT.
1+24 LT to 2+75 LT	2185	-	2185	12
2+94 LT to 4+47 LT	1835	-	1835	18
4+80 LT to 8+44 LT	4150	-	4150	24
0+80 RT to 1+01 RT	240	240	-	6
1+25 RT to 2+75 RT	1815	-	1815	12
2+95 RT to 4+46 RT	1960	130	1830	18
4+80 RT to 8+43 RT	4075	-	4075	24

TOTALS 16,260 370 15,890 114

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**CITY OF WEST FRANKFORT  
STREETSCAPE IMPROVEMENTS  
SUMMARY OF QUANTITIES**

Drawn By: *ECB* Checked By: *MWR*

Revisions  
Item Date By

Scale: AS SHOWN Field Bk:

Job Number: 05-136 Date: 03/2007

Sheet

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of 8

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00054-00-SW	FRANKLIN	8	3
WEST FRANKFORT		MAIN STREET		

CONTRACT NO. 99302  
PROJECT NO. TE-00D9(93)

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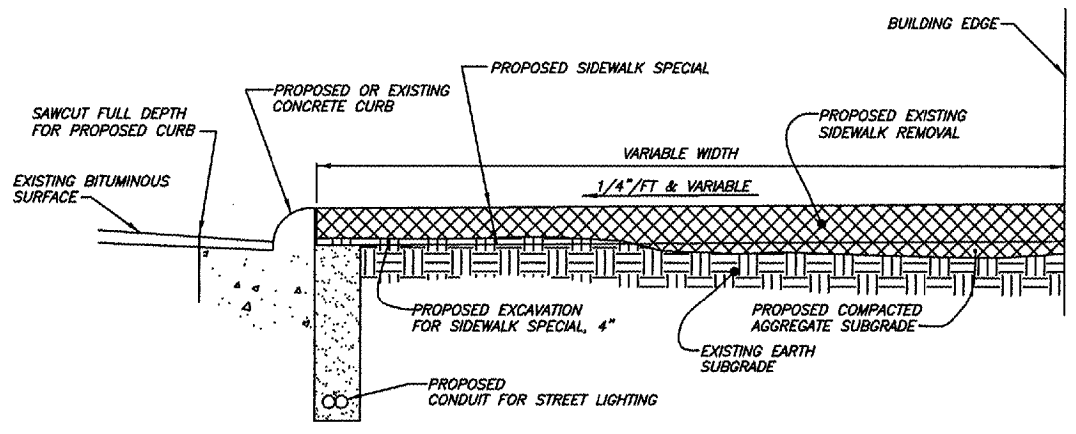


CITY OF WEST FRANKFORT  
STREETSCAPE IMPROVEMENTS  
TYPICAL DETAILS

Drawn By:	Checked By:
ECB	MWR
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Item	Date By

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05-136	03/2007

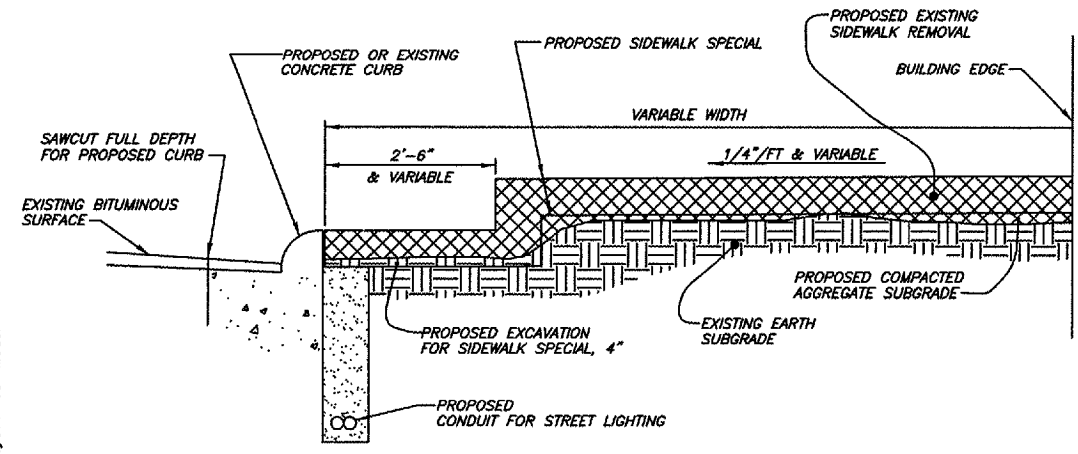
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of 8



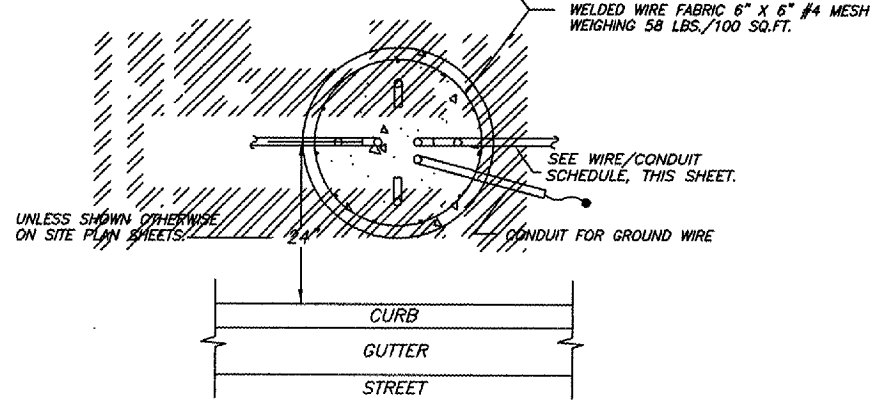
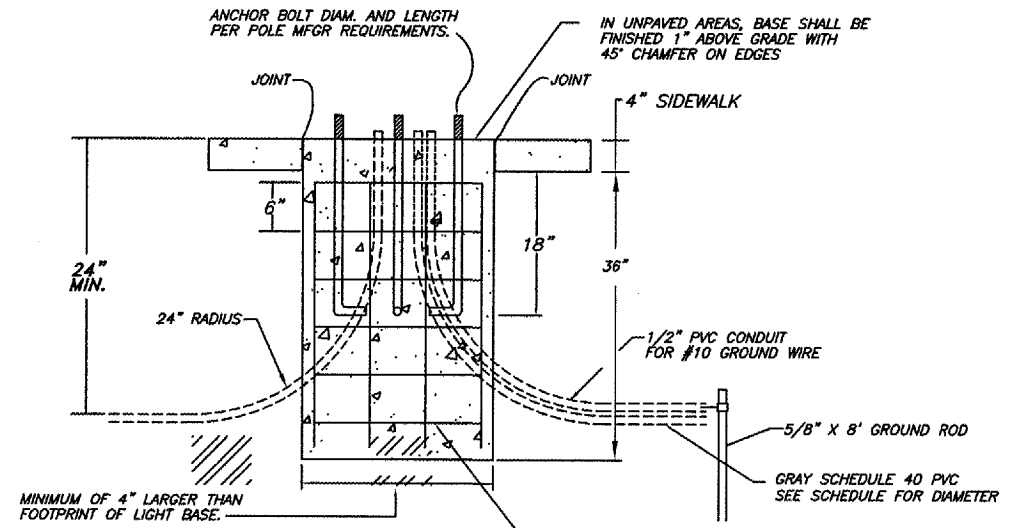
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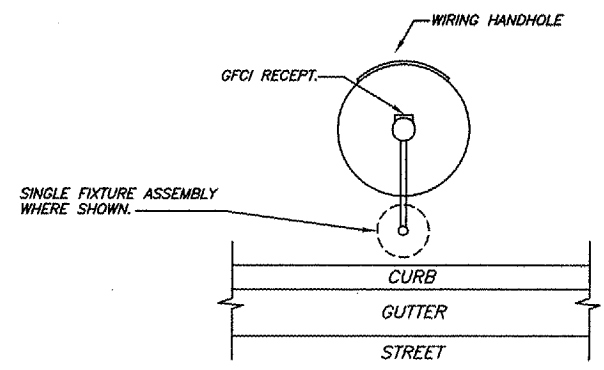
**TYPICAL PATTERN**  
**PROPOSED SIDEWALK SPECIAL**  
NO SCALE



**TYPICAL SECTION**  
STATION 3+78 RT TO 4+27 RT  
STATION 4+91 LT TO 7+14 LT  
STATION 4+96 RT TO 6+41 LT  
STATION 6+71 RT TO 8+32 RT  
NO SCALE



**LIGHT POLE FOUNDATION**  
NO SCALE





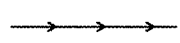
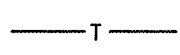
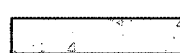
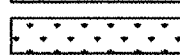





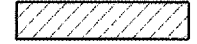


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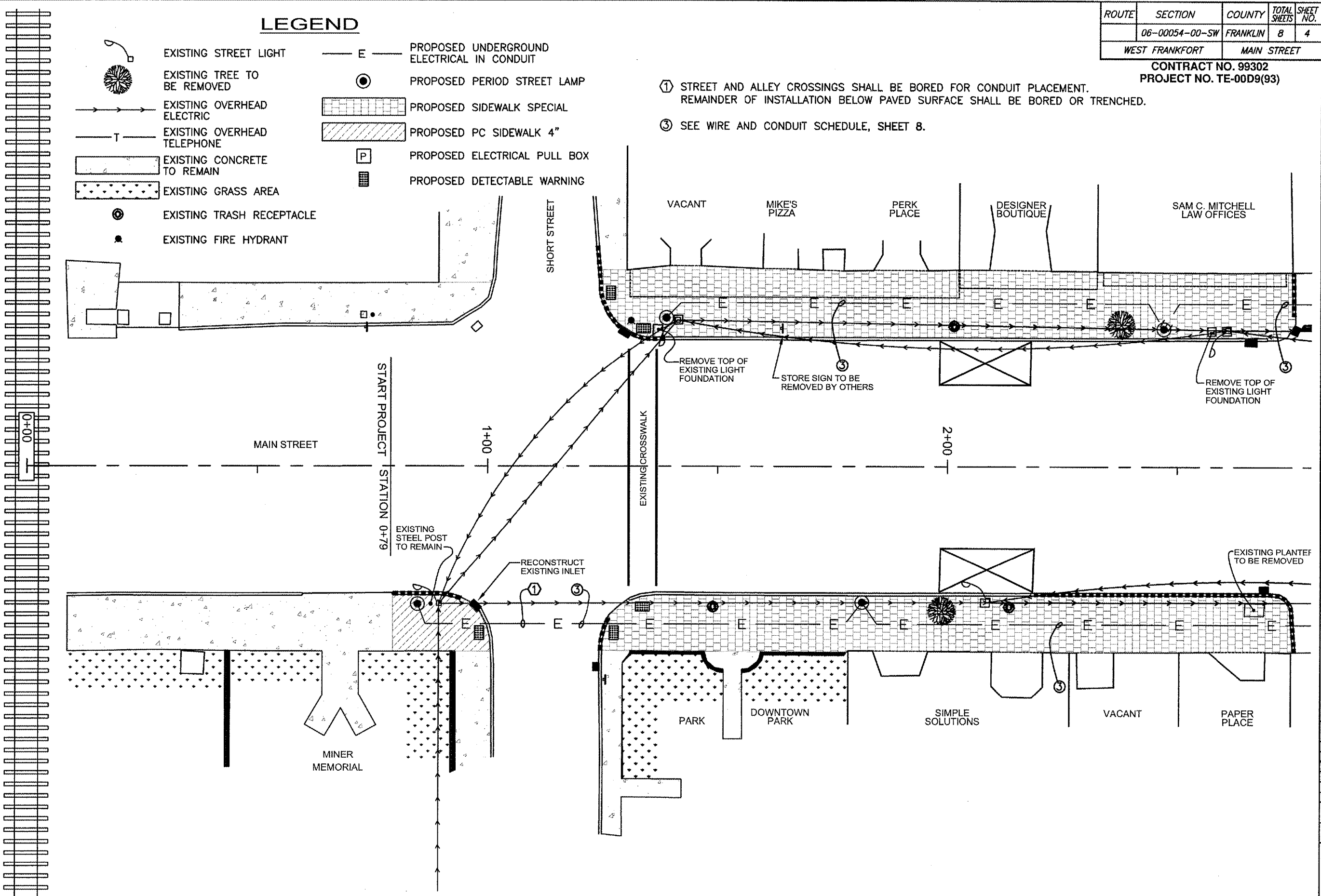
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00054-00-SW	FRANKLIN	8	4
WEST FRANKFORT		MAIN STREET		

CONTRACT NO. 99302  
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### LEGEND

-  EXISTING STREET LIGHT
-  EXISTING TREE TO BE REMOVED
-  EXISTING OVERHEAD ELECTRIC
-  EXISTING OVERHEAD TELEPHONE
-  EXISTING CONCRETE TO REMAIN
-  EXISTING GRASS AREA
-  EXISTING TRASH RECEPTACLE
-  EXISTING FIRE HYDRANT
-  PROPOSED UNDERGROUND ELECTRICAL IN CONDUIT
-  PROPOSED PERIOD STREET LAMP
-  PROPOSED SIDEWALK SPECIAL
-  PROPOSED PC SIDEWALK 4"
-  PROPOSED ELECTRICAL PULL BOX
-  PROPOSED DETECTABLE WARNING

- ① STREET AND ALLEY CROSSINGS SHALL BE BORED FOR CONDUIT PLACEMENT. REMAINDER OF INSTALLATION BELOW PAVED SURFACE SHALL BE BORED OR TRENCHED.
- ③ SEE WIRE AND CONDUIT SCHEDULE, SHEET 8.



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CITY OF WEST FRANKFORT  
STREETSCAPE IMPROVEMENTS  
**PLAN VIEW**

Drawn By: ECB  
Checked By: MWR

Revisions		
Item	Date	By

Scale: AS SHOWN  
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Job Number: 05-136  
Date: 03/2007

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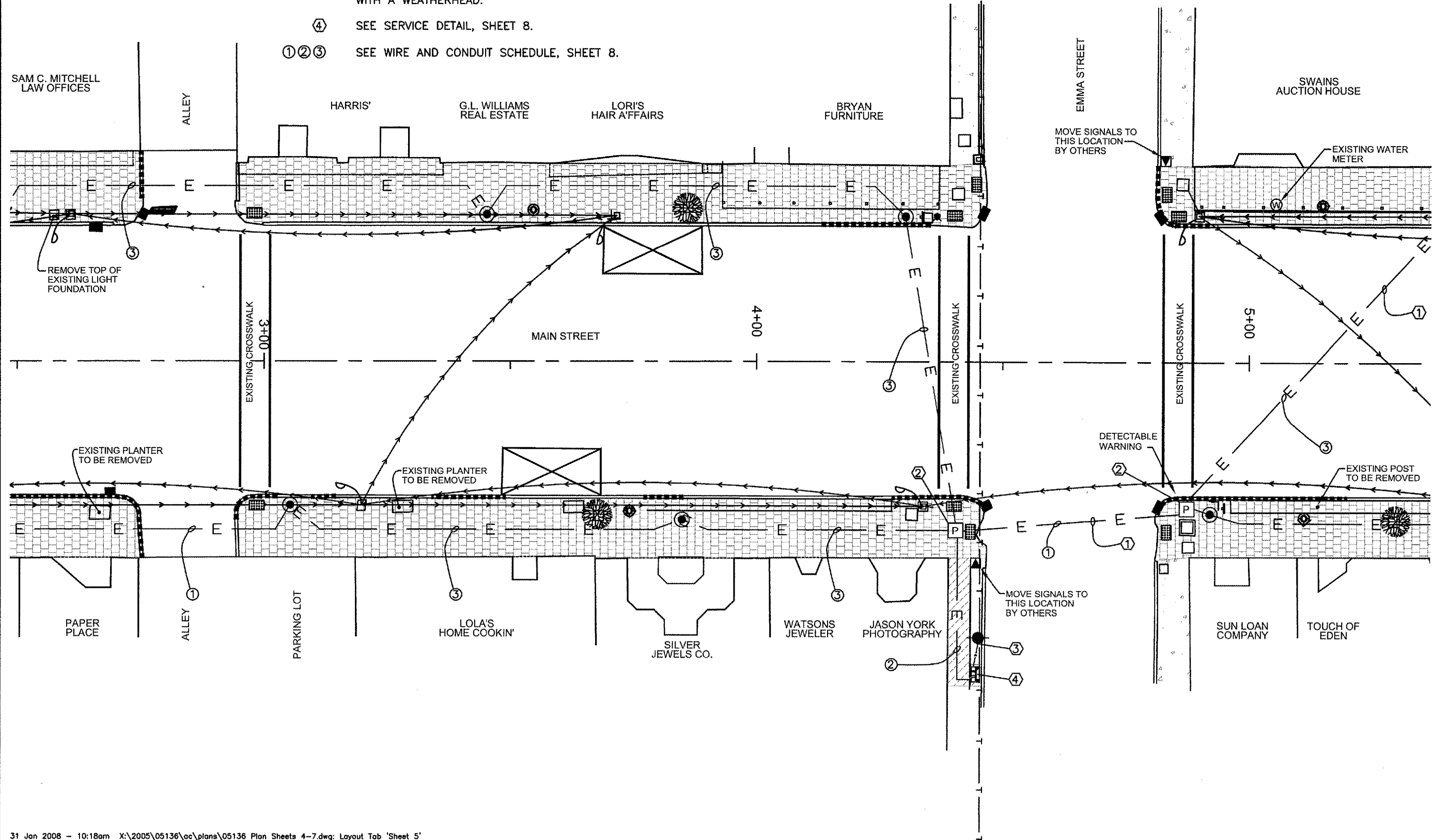
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of 8

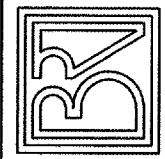
- ① STREET AND ALLEY CROSSINGS SHALL BE BORED FOR CONDUIT PLACEMENT. REMAINDER OF INSTALLATION BELOW PAVED SURFACE SHALL BE BORED OR TRENCHED.
- ② PRECAST POLYMER CONCRETE SUBGRADE PULL BOX, 12"X12"X12" DEEP WITH OPEN BOTTOM AND ANSI TIER 15 DESIGN AND TEST LOADS - QUAZITE #PC1212BA12 WITH COVER #PC1212HA00. COVER LOGO SHALL READ "ELECTRIC". FINAL ELEVATION SHALL BE FLUSH WITH SURROUNDING SIDEWALK. BOX SHALL BE FOR PULLING PURPOSES ONLY. NO SPLICES ALLOWED WITHIN BOX.
- ③ INSTALL SERVICE RISER UP POLE TO HEIGHT REQUIRED BY AMEREN AND TERMINATE WITH A WEATHERHEAD.
- ④ SEE SERVICE DETAIL, SHEET 8.
- ①②③ SEE WIRE AND CONDUIT SCHEDULE, SHEET 8.

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00054-00-SW	FRANKLIN	8	5
WEST FRANKFORT		MAIN STREET		

CONTRACT NO. 99302  
PROJECT NO. TE-00D9(93)



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CITY OF WEST FRANKFORT  
STREETSCAPE IMPROVEMENTS  
TYPICAL DETAILS

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Revisions		
Item	Date	By

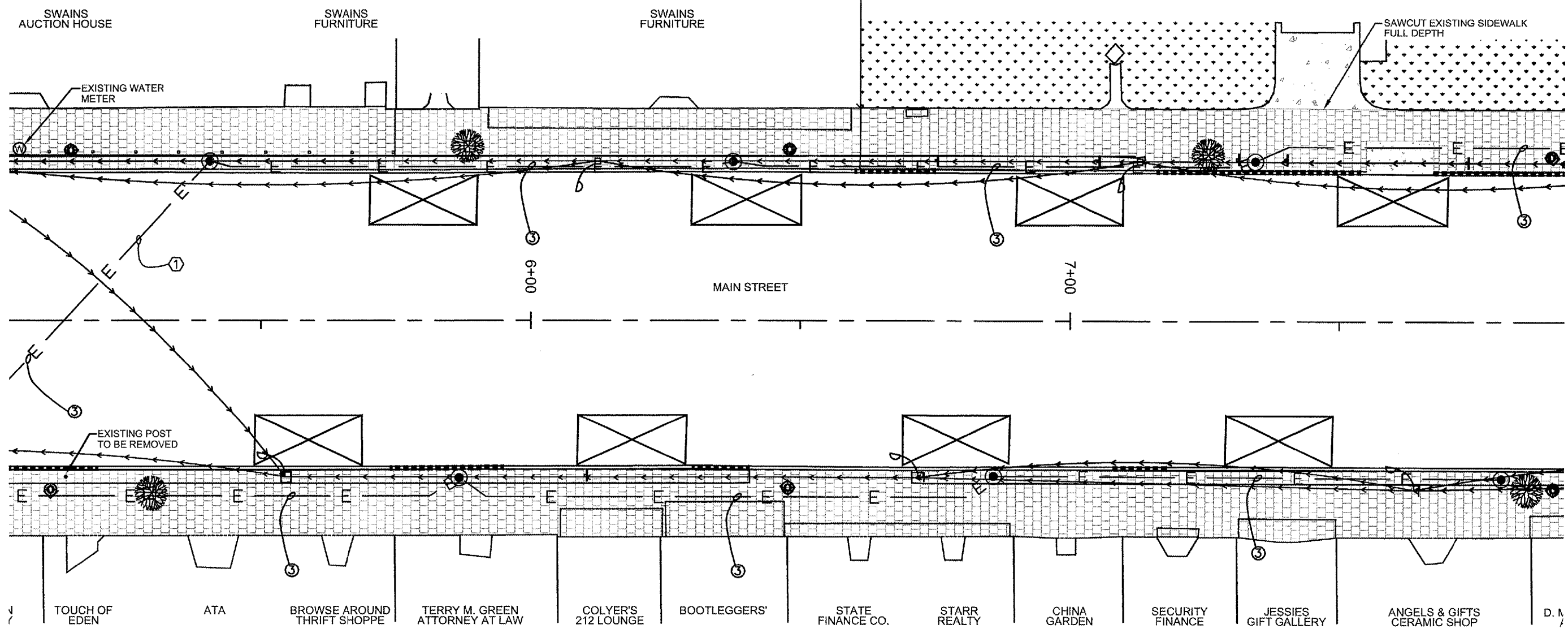
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Job Number: 05-136  
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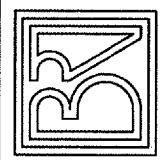
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00054-00-SW	FRANKLIN	8	6
WEST FRANKFORT		MAIN STREET		

CONTRACT NO. 99302  
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- ① STREET AND ALLEY CROSSINGS SHALL BE BORED FOR CONDUIT PLACEMENT. REMAINDER OF INSTALLATION BELOW PAVED SURFACE SHALL BE BORED OR TRENCHED.
- ③ SEE WIRE AND CONDUIT SCHEDULE, SHEET 8.



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CITY OF WEST FRANKFORT  
STREETSCAPE IMPROVEMENTS  
TYPICAL DETAILS

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Job Number: 05-136 Date: 03/2007

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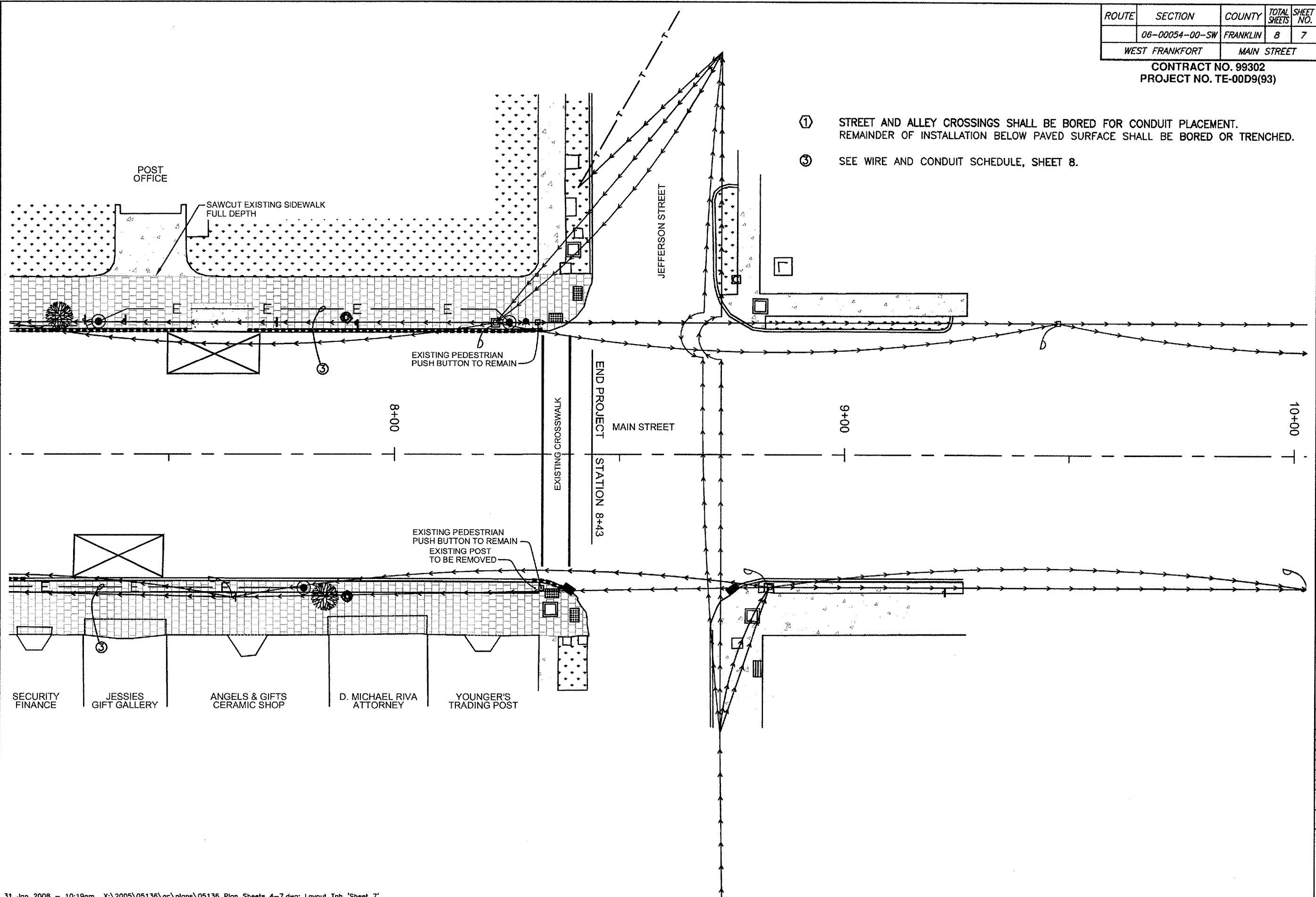
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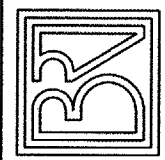
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00054-00-SW	FRANKLIN	8	7
WEST FRANKFORT		MAIN STREET		

CONTRACT NO. 99302  
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- ③ SEE WIRE AND CONDUIT SCHEDULE, SHEET 8.



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CITY OF WEST FRANKFORT  
STREETSCAPE IMPROVEMENTS  
TYPICAL DETAILS

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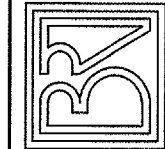
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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	06-00054-00-SW	FRANKLIN	8	8
WEST FRANKFORT		MAIN STREET		

CONTRACT NO. 99302  
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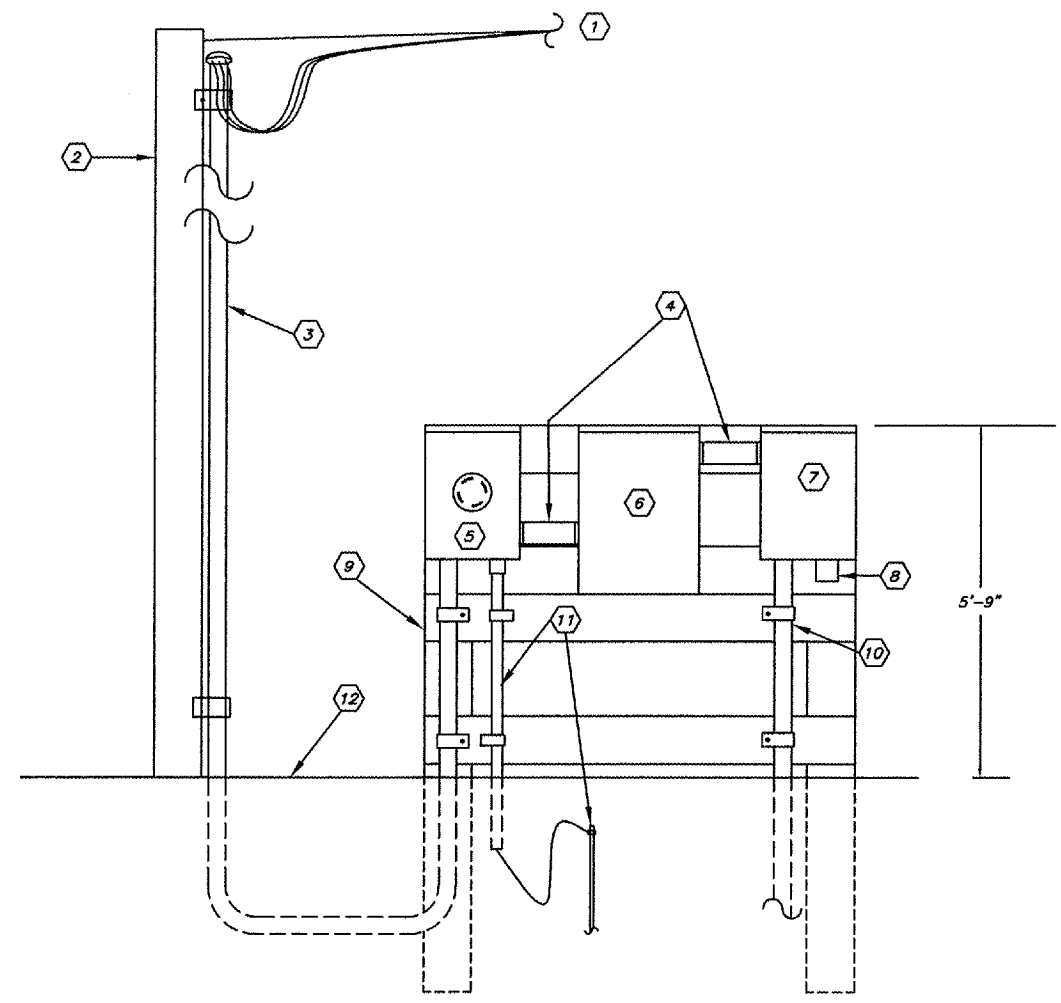
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CITY OF WEST FRANKFORT  
STREETSCAPE IMPROVEMENTS  
TYPICAL DETAILS

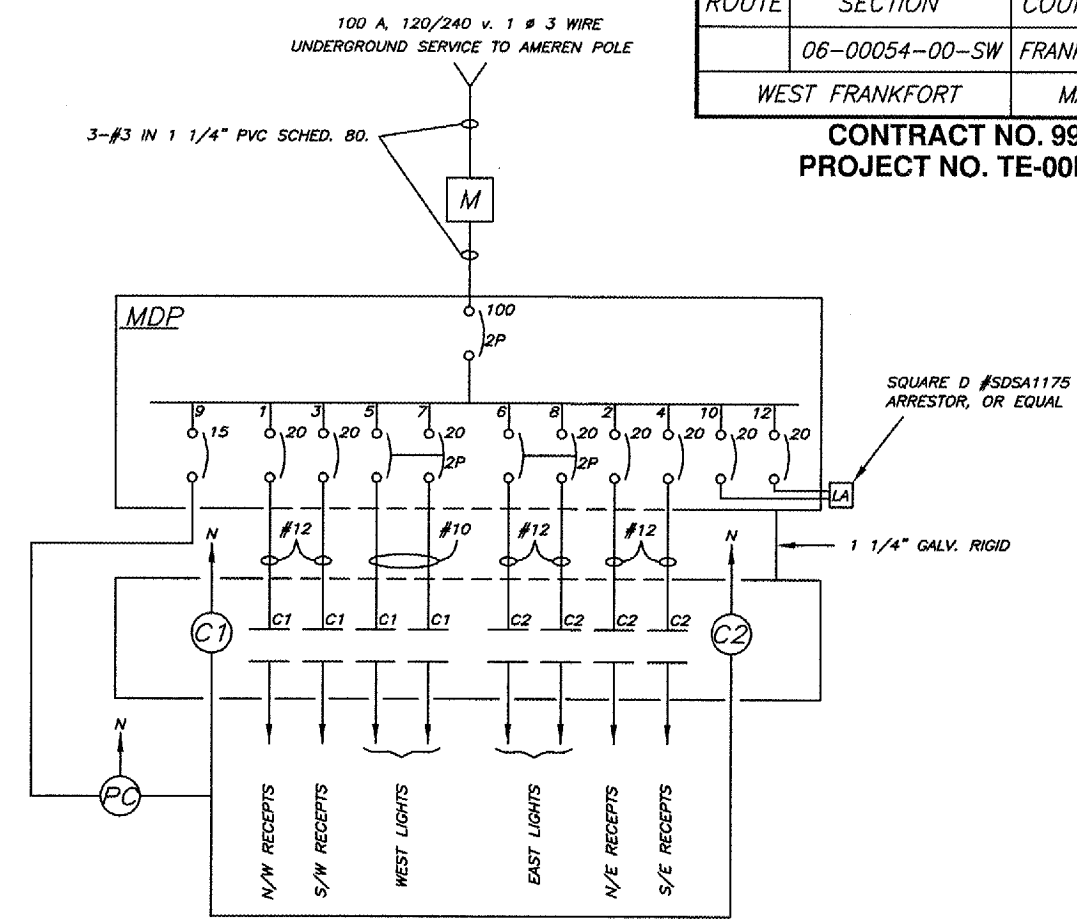
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Job Number:	Date:
05-136	03/2007



**SERVICE AND CONTROL EQUIPMENT**  
NO SCALE

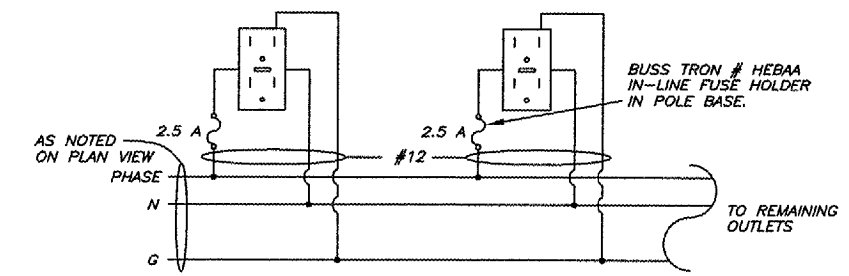
- DETAIL NOTES**
- 1 OVERHEAD 100 AMP, 120/240 VOLT SERVICE DROP BY AMEREN CIPS.
  - 2 EXISTING UTILITY POLE
  - 3 STUB SERVICE RISER UP POLE TO HEIGHT REQUIRED BY AMEREN AND TERMINATE WITH A WEATHERHEAD.
  - 4 SEE 1-LINE DIAGRAMS, THIS SHEET.
  - 5 100 AMP, 120/240 VOLT, SINGLE PHASE METER BASE BY CONTRACTOR TO AMEREN STANDARDS.
  - 6 MAIN DISTRIBUTION PANEL (MDP) - 100 AMP, 120/240 VOLT, SINGLE PHASE, 3-WIRE S/N, 20 CIRCUIT, NEMA 3R LOAD CENTER -- SQUARE D #QO120M100RB, OR EQUAL. PROVIDE TYPE QO BRANCH BREAKERS PER SYSTEM 1-LINE DIAGRAM, THIS SHEET.
  - 7 CONTACTOR PANEL SHALL CONSIST OF TWO SIZE 1, 4-POLE, OPEN LIGHTING CONTACTORS WITH 120 VOLT COIL - SQUARE D, CLASS 8903, #LO40VD2, OR EQUAL. ENCLOSURE SHALL BE NEMA 4X, 12" x 14" x 6" MINIMUM SIZE, WITH MOUNTING PANEL, AND SHALL BE LOCKABLE.
  - 8 1800 WATT, 120 VOLT, SPST, PHOTOCONTROL - PARAGON #LB201, OR EQUAL. MOUNT IN BOTTOM OF PANEL TO FACE DOWN.
  - 9 TREATED WOOD MOUNTING FRAME SHALL CONSIST OF TWO 6"x6"x9' POSTS, AND SUFFICIENT NUMBER OF 2X6 CROSS-MEMBERS TO PROVIDE TOP AND BOTTOM SUPPORT FOR ALL ENCLOSURES PLUS CONDUIT FASTENING AS SHOWN. LOCATE FRAME WITHIN FOUR FEET OF EXISTING UTILITY POLE. SETBACK FROM CURB LINE SHALL BE DIRECTED BY THE ENGINEER.
  - 10 1" PVC FOR BRANCH WIRING. SEE SYSTEM 1-LINE DIAGRAM, THIS SHEET. SEE SHEET 5 FOR CONTINUATION.
  - 11 1 - #6 STRANDED COPPER GROUNDING ELECTRODE CONDUCTOR IN 1/2" SCHEDULE 80 PVC FROM NEUTRAL BUS TO 5/8" X 8' GROUND ROD DRIVEN 1' TO THE TOP BELOW GRADE.
  - 12 SAW CUT, REMOVE AND REPLACE EXISTING CONCRETE AS REQUIRED FOR UNDERGROUND SERVICE AND BRANCH WIRING.



**SYSTEM 1 - LINE DIAGRAM**

WIRE/CONDUIT SCHEDULE				
MARK	PHASE COND.	PHASE COND. QUAN.	EQUIP. GRND.*	CONDUIT SIZE
1	#10	5	#10	3/4"
2	#10	10	#10	1"
3	#10	4	#10	3/4"

\* BOND THIS EGC TO THE INDIVIDUAL GROUND ROD AT EACH LIGHT FOUNDATION, SEE DETAIL, THIS SHEET.



**DUPLEX GFI RECEPT PHASE DISTRIBUTION**

31 Jan 2008 - 9:55am \\Server6\shared\2005\05136\oc\plans\quantity and detail sheets.dwg: Layout Tab 'Model'