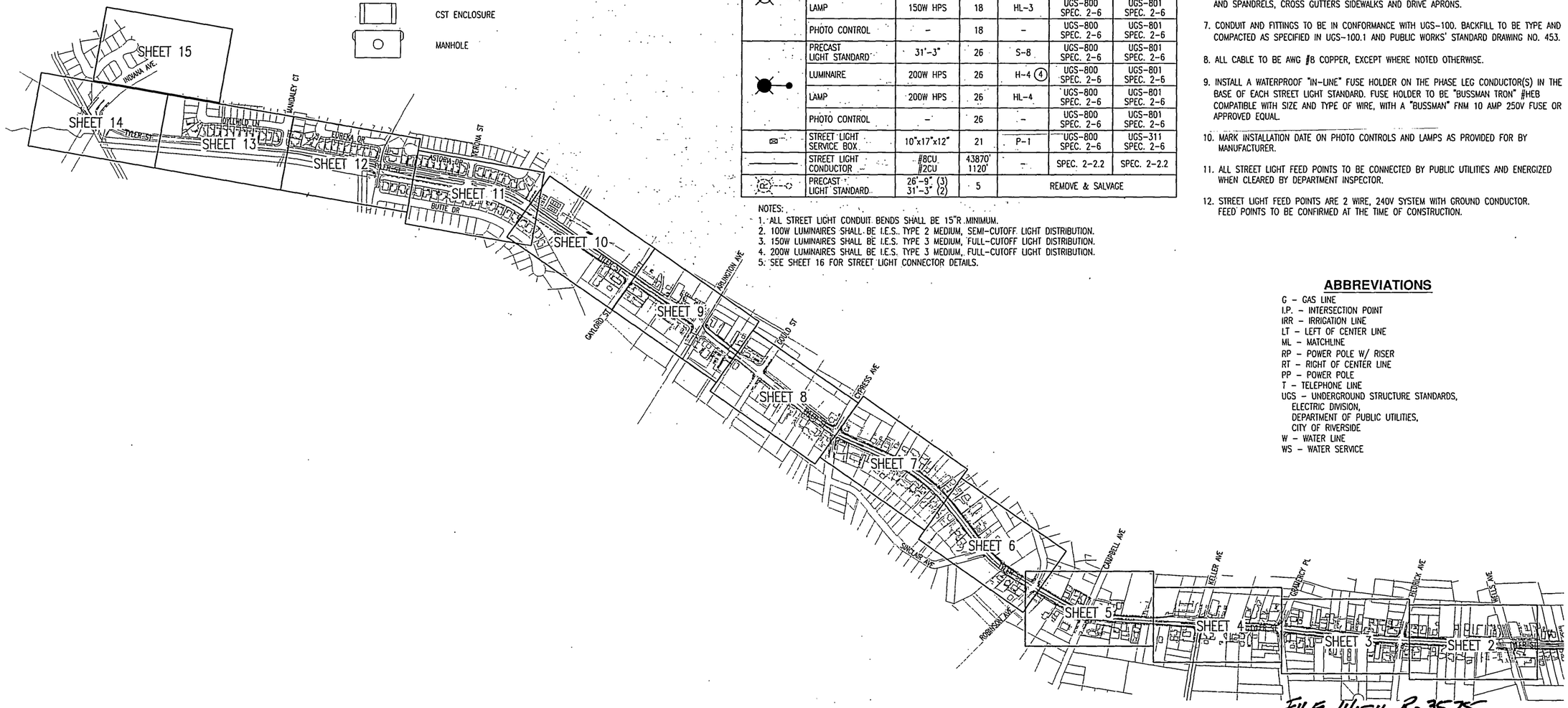
SYMBOL LEGEND

- STREET LIGHTING CONDUIT (SIZE AS NOTED)
- EXISTING FACILITIES
- EXISTING STREET LIGHT STANDARD TO REMAIN
- NEW STREET LIGHT STANDARD w/ 100W LUMINAIRE
- NEW STREET LIGHT STANDARD w/ 150W LUMINAIRE
- NEW STREET LIGHT STANDARD w/ 200W LUMINAIRE
- EXISTING STREET LIGHT STANDARD TO BE REMOVED
- EXISTING MISCELLANEOUS LUMINAIRE
- STREET LIGHT PULLBOX
- TRANSFORMER PAD
- CST ENCLOSURE
- MANHOLE



STRUCTURE SCHEDULE

GENERAL INFORMATION				SPECIFICATIONS		INSTALLATION
SYMBOL	DESCRIPTION	SIZE	QTY	ITEM NO.	DWG. NO.	DWG. NO.
	PRECAST LIGHT STANDARD	24'-3"	9	S-2	UGS-800 SPEC. 2-6	UGS-801 SPEC. 2-6
	LUMINAIRE	100W HPS	9	H-2 (2)	UGS-800 SPEC. 2-6	UGS-801 SPEC. 2-6
	LAMP	100W HPS	9	HL-2	UGS-800 SPEC. 2-6	UGS-801 SPEC. 2-6
	PHOTO CONTROL	-	9	-	UGS-800 SPEC. 2-6	UGS-801 SPEC. 2-6
	PRECAST LIGHT STANDARD	26'-9"	43	S-3	UGS-800 SPEC. 2-6	UGS-801 SPEC. 2-6
	LUMINAIRE	150W HPS	43	H-3 (3)	UGS-800 SPEC. 2-6	UGS-801 SPEC. 2-6
	LAMP	150W HPS	43	HL-3	UGS-800 SPEC. 2-6	UGS-801 SPEC. 2-6
	PHOTO CONTROL	-	43	-	UGS-800 SPEC. 2-6	UGS-801 SPEC. 2-6
	PRECAST LIGHT STANDARD	31'-3"	18	S-8	UGS-800 SPEC. 2-6	UGS-801 SPEC. 2-6
	LUMINAIRE	150W HPS	18	H-3 (3)	UGS-800 SPEC. 2-6	UGS-801 SPEC. 2-6
	LAMP	150W HPS	18	HL-3	UGS-800 SPEC. 2-6	UGS-801 SPEC. 2-6
	PHOTO CONTROL	-	18	-	UGS-800 SPEC. 2-6	UGS-801 SPEC. 2-6
	PRECAST LIGHT STANDARD	31'-3"	26	S-8	UGS-800 SPEC. 2-6	UGS-801 SPEC. 2-6
	LUMINAIRE	200W HPS	26	H-4 (4)	UGS-800 SPEC. 2-6	UGS-801 SPEC. 2-6
	LAMP	200W HPS	26	HL-4	UGS-800 SPEC. 2-6	UGS-801 SPEC. 2-6
	PHOTO CONTROL	-	26	-	UGS-800 SPEC. 2-6	UGS-801 SPEC. 2-6
	STREET LIGHT SERVICE BOX	10"x17"x12"	21	P-1	UGS-800 SPEC. 2-6	UGS-311 SPEC. 2-6
	STREET LIGHT CONDUCTOR	#8CU #2CU	43870' 1120'	-	SPEC. 2-2.2	SPEC. 2-2.2
	PRECAST LIGHT STANDARD	26'-9" (3) 31'-3" (2)	5	REMOVE & SALVAGE		

NOTES:
1. ALL STREET LIGHT CONDUIT BENDS SHALL BE 15"R MINIMUM.
2. 100W LUMINAIRES SHALL BE I.E.S. TYPE 2 MEDIUM, SEMI-CUTOFF LIGHT DISTRIBUTION.
3. 150W LUMINAIRES SHALL BE I.E.S. TYPE 3 MEDIUM, FULL-CUTOFF LIGHT DISTRIBUTION.
4. 200W LUMINAIRES SHALL BE I.E.S. TYPE 3 MEDIUM, FULL-CUTOFF LIGHT DISTRIBUTION.
5. SEE SHEET 16 FOR STREET LIGHT CONNECTOR DETAILS.

STREET LIGHT NOTES

1. ALL FACILITIES INSTALLED BY CONTRACTOR SHALL BE INSPECTED AND APPROVED BY THE DEPARTMENT CONSTRUCTION INSPECTOR (PH. 826-5429). ANY CHANGES SHALL BE APPROVED BY THE DEPARTMENT PRIOR TO EXECUTION.
2. PROVIDE AND INSTALL ALL STREET LIGHT FACILITIES INCLUDING STREET LIGHT CABLES, AS SHOWN, IN CONFORMANCE WITH THE STANDARD DRAWINGS LISTED IN THE STRUCTURE SCHEDULE AND STREET LIGHT SPECIFICATION #2-6.
3. THIS PLAN IS ACCURATE FOR STREET LIGHT FACILITIES ONLY. SEE STREET IMPROVEMENT PLAN R-3575 FOR STREET IMPROVEMENT DETAILS.
4. ACQUIRE A STREET OPENING PERMIT PRIOR TO EXCAVATING IN STREET RIGHT-OF-WAY.
5. STREET LIGHT LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS SHALL BE FIELD CONFIRMED BY THE DEPARTMENT INSPECTOR OR THE ENGINEER IN CHARGE. IN GENERAL, WHEN INSTALLED IN EXISTING SIDEWALKS, STANDARDS OR BOXES SHALL BE ADJUSTED TO THE NEAREST COLD JOINT, EXPANSION JOINT OR EDGE PER 300-1.3.2(c) OF THE STANDARD SPECIFICATIONS. ALSO, 6 FT. CLEARANCE SHALL BE MAINTAINED BETWEEN A POWER POLE OR FIRE HYDRANT, AND 4 FT. FROM A DRIVEWAY APRON CURB CUT. NO STREET LIGHT STANDARD WILL BE INSTALLED MORE THAN 1.5 FT. INTO A CURB RETURN RADIUS WITH OUT SPECIAL APPROVAL.
6. EXCAVATION FOR STREET LIGHT CONDUIT AND ELECTROLIER FOUNDATIONS MUST BE DONE AFTER INSTALLATION OF CURBS AND GUTTERS, BUT BEFORE INSTALLATION OF CURB RETURNS AND SPANDRELS, CROSS GUTTERS SIDEWALKS AND DRIVE APRONS.
7. CONDUIT AND FITTINGS TO BE IN CONFORMANCE WITH UGS-100. BACKFILL TO BE TYPE AND COMPACTED AS SPECIFIED IN UGS-100.1 AND PUBLIC WORKS' STANDARD DRAWING NO. 453.
8. ALL CABLE TO BE AWG #8 COPPER, EXCEPT WHERE NOTED OTHERWISE.
9. INSTALL A WATERPROOF "IN-LINE" FUSE HOLDER ON THE PHASE LEG CONDUCTOR(S) IN THE BASE OF EACH STREET LIGHT STANDARD. FUSE HOLDER TO BE "BUSSMAN TRON" #HEB COMPATIBLE WITH SIZE AND TYPE OF WIRE, WITH A "BUSSMAN" FNM 10 AMP 250V FUSE OR APPROVED EQUAL.
10. MARK INSTALLATION DATE ON PHOTO CONTROLS AND LAMPS AS PROVIDED FOR BY MANUFACTURER.
11. ALL STREET LIGHT FEED POINTS TO BE CONNECTED BY PUBLIC UTILITIES AND ENERGIZED WHEN CLEARED BY DEPARTMENT INSPECTOR.
12. STREET LIGHT FEED POINTS ARE 2 WIRE, 240V SYSTEM WITH GROUND CONDUCTOR. FEED POINTS TO BE CONFIRMED AT THE TIME OF CONSTRUCTION.

ABBREVIATIONS

G - GAS LINE
I.P. - INTERSECTION POINT
IRR - IRRIGATION LINE
LT - LEFT OF CENTER LINE
ML - MATCHLINE
RP - POWER POLE W/ RISER
RT - RIGHT OF CENTER LINE
PP - POWER POLE
T - TELEPHONE LINE
UGS - UNDERGROUND STRUCTURE STANDARDS, ELECTRIC DIVISION, DEPARTMENT OF PUBLIC UTILITIES, CITY OF RIVERSIDE
W - WATER LINE
WS - WATER SERVICE

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NORTH

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	REVISIONS			
C	ISSUED FOR BID	KAC	09/05/03	LAB
B	CITY COMMENTS	KAC	05/06/02	LAB
A	INITIAL DESIGN	KAC	07/17/01	LAB

TITLE
CITY OF RIVERSIDE
DEPARTMENT OF PUBLIC UTILITIES
TYLER ST. OVERHEAD TO UNDERGROUND CONVERSION
WELLS AVE. TO JURUPA AVE.

Drawn By:	KAC	Date	05/04/01	ENGR.	LAB	Date	04/12/01
Chk'd. By:	LAB	Date	05/04/01	APPD.	AJT	Date	04/12/01
Project No.	10-245	SCALE	NTS	ACCT. NO.	6130003730 470637xx	SHEET	1 OF 16

DRAWING No. L5-611158 REVISION C

FILE WITH R-3575

10-245_SHLD1.dwg lc 09/03/03 10:29 PR ENGR. LAB

77+08 STREET LIGHT ELECTROLIER
INTERCEPT (1)-1" DB STUBOUT.
REFERENCE: DETAIL 1 ON SHEET 16 OF 16.

CONNECT (3) 1/C #8CU, 600V CABLES TO SECONDARY BUSES IN ELECTRIC SERVICE BOX.
REFERENCE: DETAIL 4 ON SHEET 16 OF 16

74+10 STREET LIGHT ELECTROLIER
INTERCEPT (1)-1" DB STUBOUT.
REFERENCE: DETAIL 1 ON SHEET 16 OF 16.

WELLS AVE

INSTALL (3) 1/C #8CU, 600V CABLES BETWEEN ELECTRIC SERVICE BOX AND STREET LIGHT ELECTROLIER, APPROX. 10'

INSTALL (3) 1/C #8CU, 600V CABLES BETWEEN ELECTRIC SERVICE BOX AND STREET LIGHT ELECTROLIER, APPROX. 35'

MATCHLINE - SEE SHEET 3

78+00 TYLER ST 77+00 76+00 75+00 74+00 73+00 72+00 71+00 70+00 69+00 TYLER ST

M-8168 C-8169 C-8167 M-8165 P-8164 PSE-8166

INSTALL (3) 1/C #8CU, 600V CABLES BETWEEN ELECTRIC SERVICE BOX AND STREET LIGHT ELECTROLIER, APPROX. 195'

INSTALL (3) 1/C #8CU, 600V CABLES BETWEEN C-8167 AND STREET LIGHT SERVICE BOX, APPROX. 2'

INSTALL (3) 1/C #8CU, 600V CABLES BETWEEN STREET LIGHT SERVICE BOX AND STREET LIGHT ELECTROLIER, APPROX. 12'

75+63 STREET LIGHT ELECTROLIER
INTERCEPT (1)-1" DB STUBOUT.
REFERENCE: DETAIL 1 ON SHEET 16 OF 16.

CONNECT (3) 1/C #8CU, 600V CABLES TO SECONDARY BUSES IN ELECTRIC SERVICE BOX.
REFERENCE: DETAIL 4 ON SHEET 16 OF 16

CONNECT (2) 3 1/C #8CU, 600V CABLES TO TRANSFORMER SECONDARY TERMINALS.
REFERENCE: DETAIL 5 ON SHEET 16 OF 16.

72+72.5 STREET LIGHT SERVICE BOX INTERCEPT (3)-1" DB STUBOUTS.
CONNECT (3) 3 1/C #8CU, 600V CABLES.
REFERENCE: DETAIL 3 ON SHEET 16 OF 16.

72+64 STREET LIGHT ELECTROLIER
INTERCEPT (1)-1" DB STUBOUT.
REFERENCE: DETAIL 1 ON SHEET 16 OF 16.

WELLS AVE

FILE WITH R-3575

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B	CITY COMMENTS	KAC	05/06/02	LAB
A	INITIAL DESIGN	KAC	07/17/01	LAB

REVISIONS

TITLE
CITY OF RIVERSIDE
DEPARTMENT OF PUBLIC UTILITIES
TYLER ST. OVERHEAD TO UNDERGROUND CONVERSION
WELLS AVE. TO JURUPA AVE.

Drawn By:	KAC	Date	04/12/01	ENGR.	LAB
Chk'd. By:	LAB	Date	05/04/01	APPD.	AJT
Project No.	10-245	SCALE	1"=30'-0"	ACCT. NO.	6130003730 470637xx

Date 04/12/01 | DRAWING No. L5-611158 | REVISION C | SHEET 2 OF 16

INDEXED 5-24-04 LH

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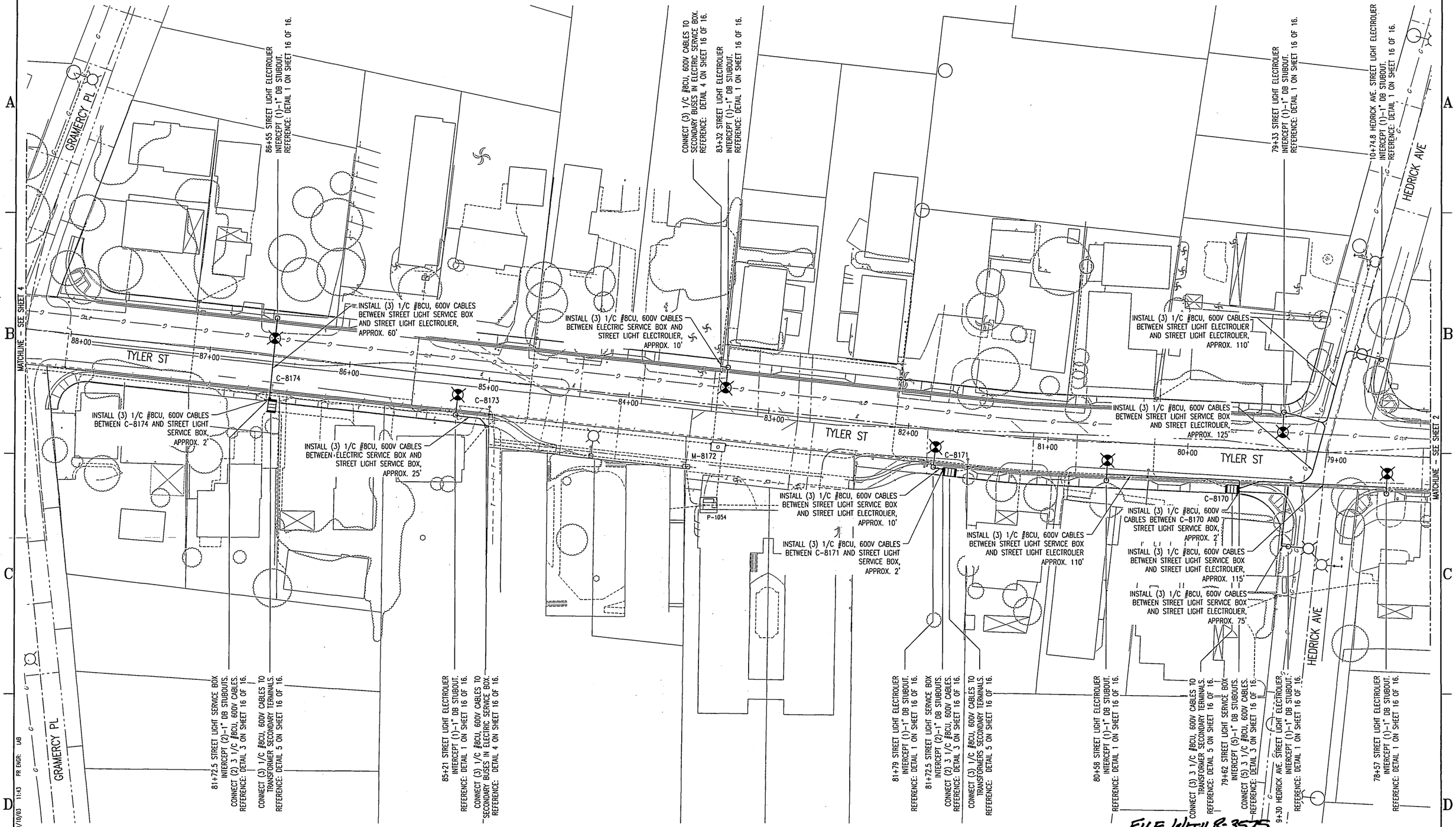

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10-245_SHL03.dwg

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REVISIONS [redacted]

TITLE
CITY OF RIVERSIDE
DEPARTMENT OF PUBLIC UTILITIES
TYLER ST. OVERHEAD TO UNDERGROUND CONVERSION
WELLS AVE. TO JURUPA AVE.

Drawn By:	KAC	Date	05/04/01	ENGR.	LAB	Date	04/12/01
Chk'd. By:	LAB	Date	05/04/01	APPD.	AJT	Date	04/12/01
Project No.	10-245	SCALE	1"=30'-0"	ACCT. NO.	6130003730 470637xx	SHEET	3 OF 16

DRAWING No. L5-611158
REVISION C

FILE WITH R-3575

INDEXED 5-24-04 GH

CONNECT (1) 3 1/C #8CU, 600V CABLES TO TRANSFORMER SECONDARY TERMINALS. REFERENCE: DETAIL 5 ON SHEET 16 OF 16.

REMOVE EXISTING STREET LIGHT ELECTROLIER. SALVAGE AND RETURN ALL COMPONENTS TO RIVERSIDE PUBLIC UTILITIES.

91+55 STREET LIGHT ELECTROLIER INTERCEPT (1)-1" DB STUBOUT. REFERENCE: DETAIL 1 ON SHEET 16 OF 16.

88+75 STREET LIGHT ELECTROLIER INTERCEPT (1)-1" DB STUBOUT. REFERENCE: DETAIL 1 ON SHEET 16 OF 16.

KELLER AVE

PJC-TYL1

MATCHLINE – SEE SHEET 5

98+00 97+00 96+00 95+00 94+00 93+00 92+00 91+00 90+00 89+00

TYLER ST

C-8179 M-8178 C-8177 M-8175 PSE-8176

INSTALL (3) 1/C #8CU, 600V CABLES BETWEEN C-8179 AND STREET LIGHT SERVICE BOX, APPROX. 2'

INSTALL (3) 1/C #8CU, 600V CABLES BETWEEN STREET LIGHT SERVICE BOX AND STREET LIGHT ELECTROLIER, APPROX. 25'

INSTALL (3) 1/C #8CU, 600V CABLES BETWEEN STREET LIGHT SERVICE BOX AND STREET LIGHT ELECTROLIER, APPROX. 70'

INSTALL (3) 1/C #8CU, 600V CABLES BETWEEN STREET LIGHT SERVICE BOX AND STREET LIGHT ELECTROLIER, APPROX. 140'

INSTALL (3) 1/C #8CU, 600V CABLES BETWEEN C-8177 AND STREET LIGHT SERVICE BOX, APPROX. 2'

INSTALL (3) 1/C #8CU, 600V CABLES BETWEEN STREET LIGHT SERVICE BOX AND STREET LIGHT ELECTROLIER, APPROX. 160'

98+21 STREET LIGHT ELECTROLIER INTERCEPT (1)-1" DB STUBOUT. REFERENCE: DETAIL 1 ON SHEET 16 OF 16.

97+95.5 STREET LIGHT SERVICE BOX INTERCEPT (2)-1" DB STUBOUTS. CONNECT (2) 3 1/C #8CU, 600V CABLES. REFERENCE: DETAIL 3 ON SHEET 16 OF 16.

92+93 STREET LIGHT ELECTROLIER INTERCEPT (2)-1" DB STUBOUTS. REFERENCE: DETAIL 1 ON SHEET 16 OF 16.

CONNECT (3) 3 1/C #8CU, 600V CABLES TO TRANSFORMER SECONDARY TERMINALS. REFERENCE: DETAIL 5 ON SHEET 16 OF 16.

91+68 STREET LIGHT SERVICE BOX INTERCEPT (4)-1" DB STUBOUTS. CONNECT (4) 3 1/C #8CU, 600V CABLES. REFERENCE: DETAIL 3 ON SHEET 16 OF 16.

90+15 STREET LIGHT ELECTROLIER INTERCEPT (1)-1" DB STUBOUT. REFERENCE: DETAIL 1 ON SHEET 16 OF 16.

MATCHLINE – SEE SHEET 3

GRAMERCY PL

CONC

PR ENGR: LAB 09:11 09/10/03 kc 10-245_SHT04.dwg

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REVISIONS

TITLE

CITY OF RIVERSIDE

DEPARTMENT OF PUBLIC UTILITIES
TYLER ST. OVERHEAD TO UNDERGROUND CONVERSION
WELLS AVE. TO JURUPA AVE.

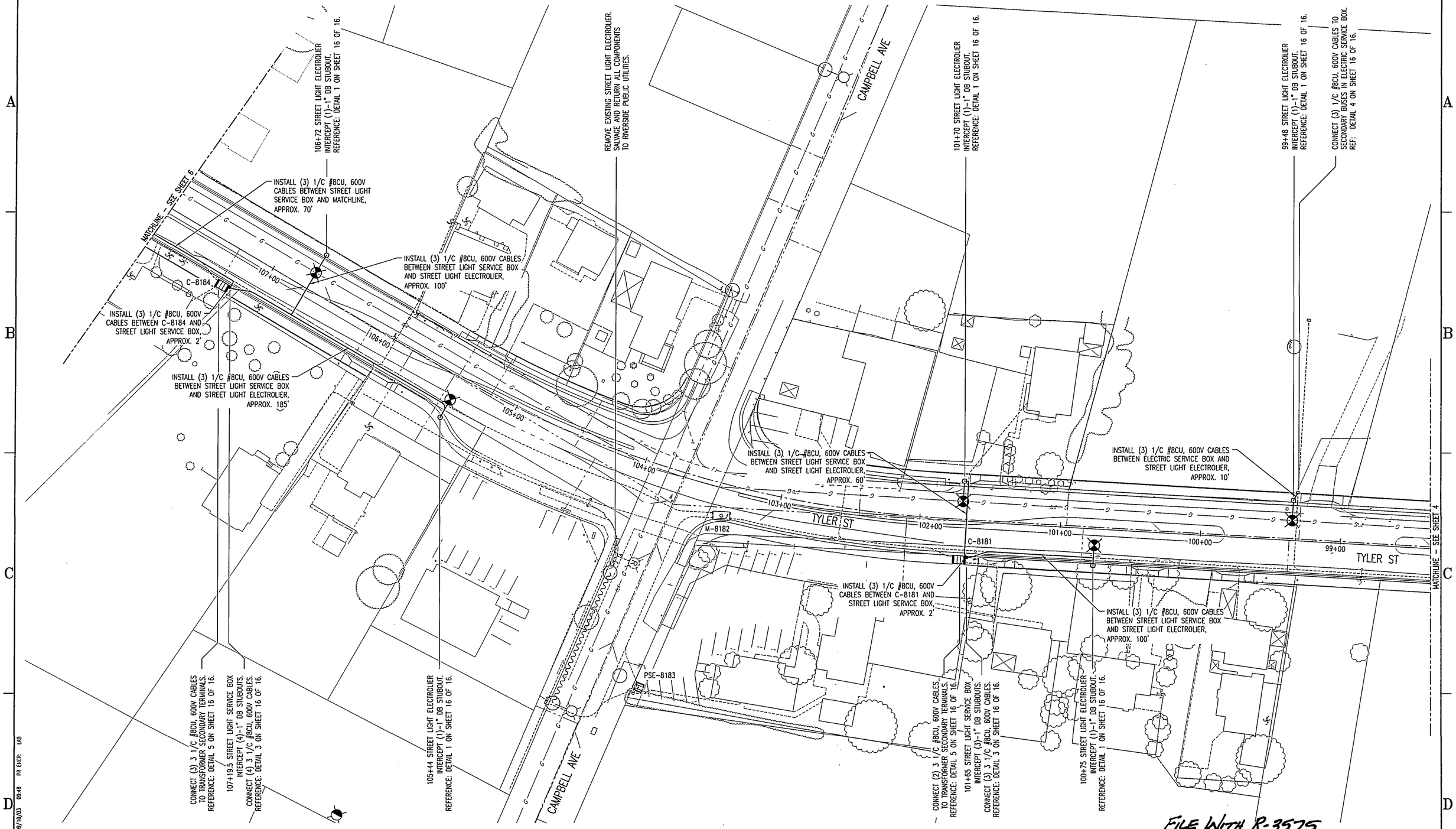
Drawn By:	KAC	Date	04/05/01	ENGR.	LAB	Date 04/12/01
Chk'd. By:	LAB	Date	04/05/01	APPD.	AJT	Date 04/12/01
Project No.	10-245	SCALE	1"=30'-0"	ACCT. NO.	6130003730 470637xx	

DRAWING No. L5-611158 REVISION C

SHEET 4 OF 16

FILE WITH R-3575

INDEXED 5-24-04 GH



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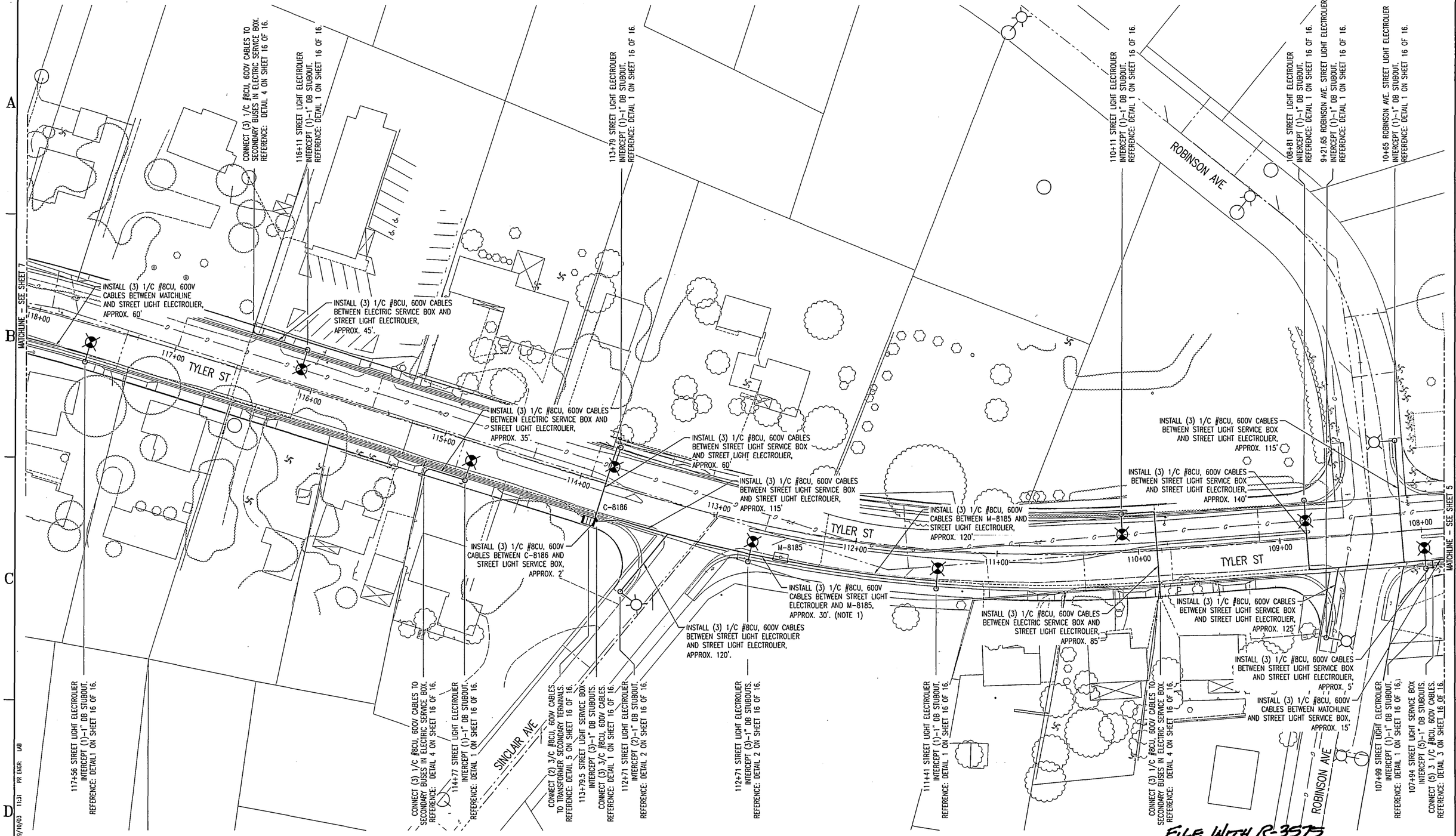
TITLE
CITY OF RIVERSIDE
DEPARTMENT OF PUBLIC UTILITIES
TYLER ST. OVERHEAD TO UNDERGROUND CONVERSION
WELLS AVE. TO JURUPA AVE.

Drawn By: KAC	Date 05/04/01	ENGR. LAB	Date 04/12/01	DRAWING No. L5-611158	REVISION C
Chk'd. By: LAB	Date 05/04/01	APPD. AJT	Date 04/12/01		
Project No. 10-245	SCALE 1"=30'-0"	ACCT. NO. 6130003730 470637xx	SHEET 5 OF 16		

FILE WITH R-3575

INDEXED 5-2404 8 4th



FILE WITH R-3575

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NOTES:
1. PULL (3) 1/C #8CU, 600V CABLES THROUGH M-8185, DO NOT SPLICE.

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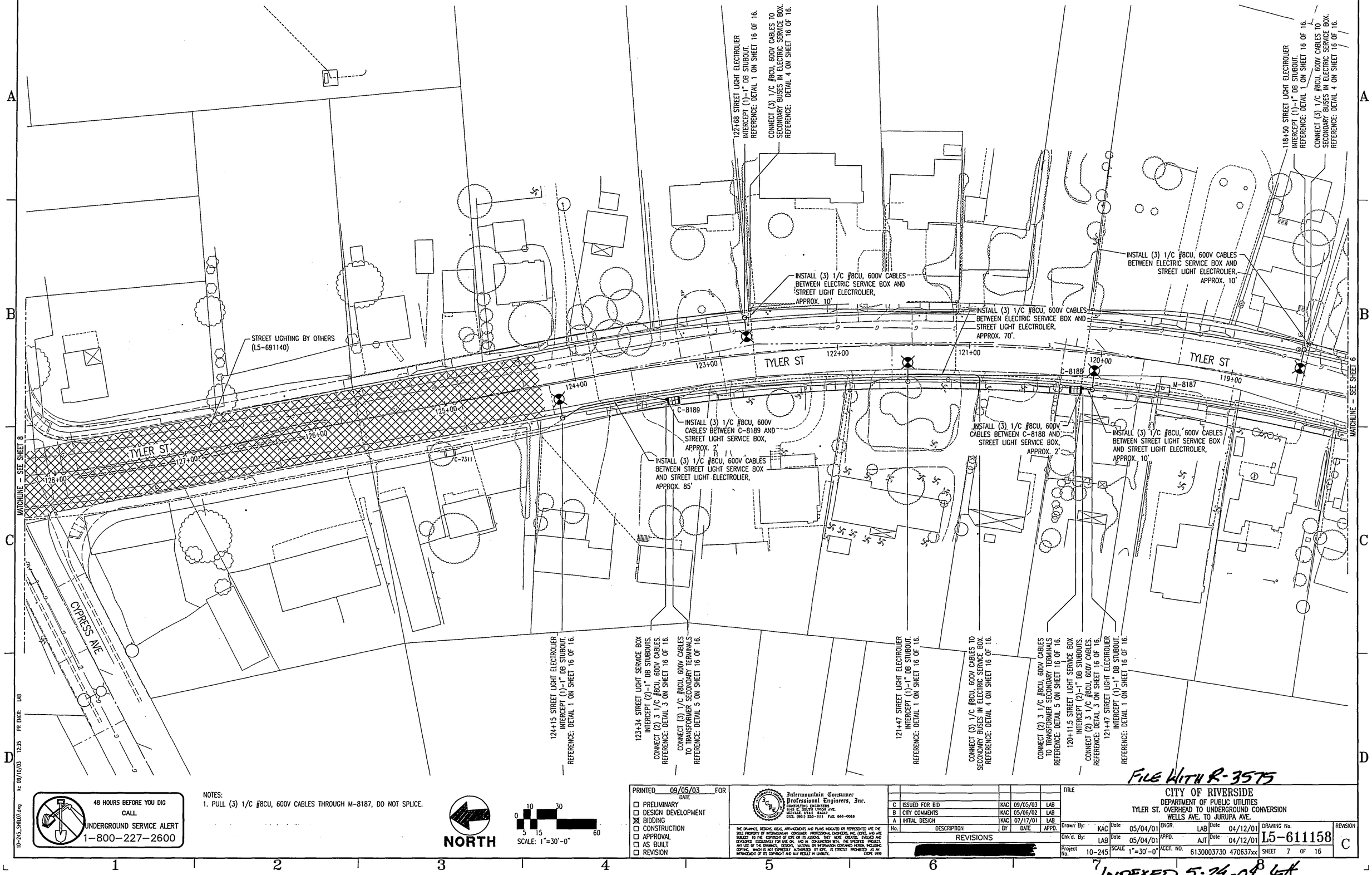
Drawn By: KAC	Date 05/04/01	ENGR. LAB	Date 04/12/01	DRAWING No. L5-611158	REVISION C
Chk'd. By: LAB	Date 05/04/01	APPD. AJT	Date 04/12/01		
Project No. 10-245	SCALE 1"=30'-0"	ACCT. NO. 6130003730 470637xx		SHEET 6 OF 16	

INDEXED 5-24-04 4th

10-245_SHT06.dwg kc 09/10/03 11:31 PR ENGR: LAB



10-245_SHT07.dwg kc 09/10/03 12:35 PR ENGR: LAB

48 HOURS BEFORE YOU DIG CALL UNDERGROUND SERVICE ALERT 1-800-227-2600

NOTES:
1. PULL (3) 1/C #8CU, 600V CABLES THROUGH M-8187, DO NOT SPLICE.

NORTH

SCALE: 1"=30'-0"

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- ☐ REVISION

Intermountain Consumer Professional Engineers, Inc.
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1165 E. SOUTH UNION AVE.
MIDVALE, UTAH 84047
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No.	DESCRIPTION	BY	DATE	APPD.
C	ISSUED FOR BID	KAC	09/05/03	LAB
B	CITY COMMENTS	KAC	05/06/02	LAB
A	INITIAL DESIGN	KAC	07/17/01	LAB

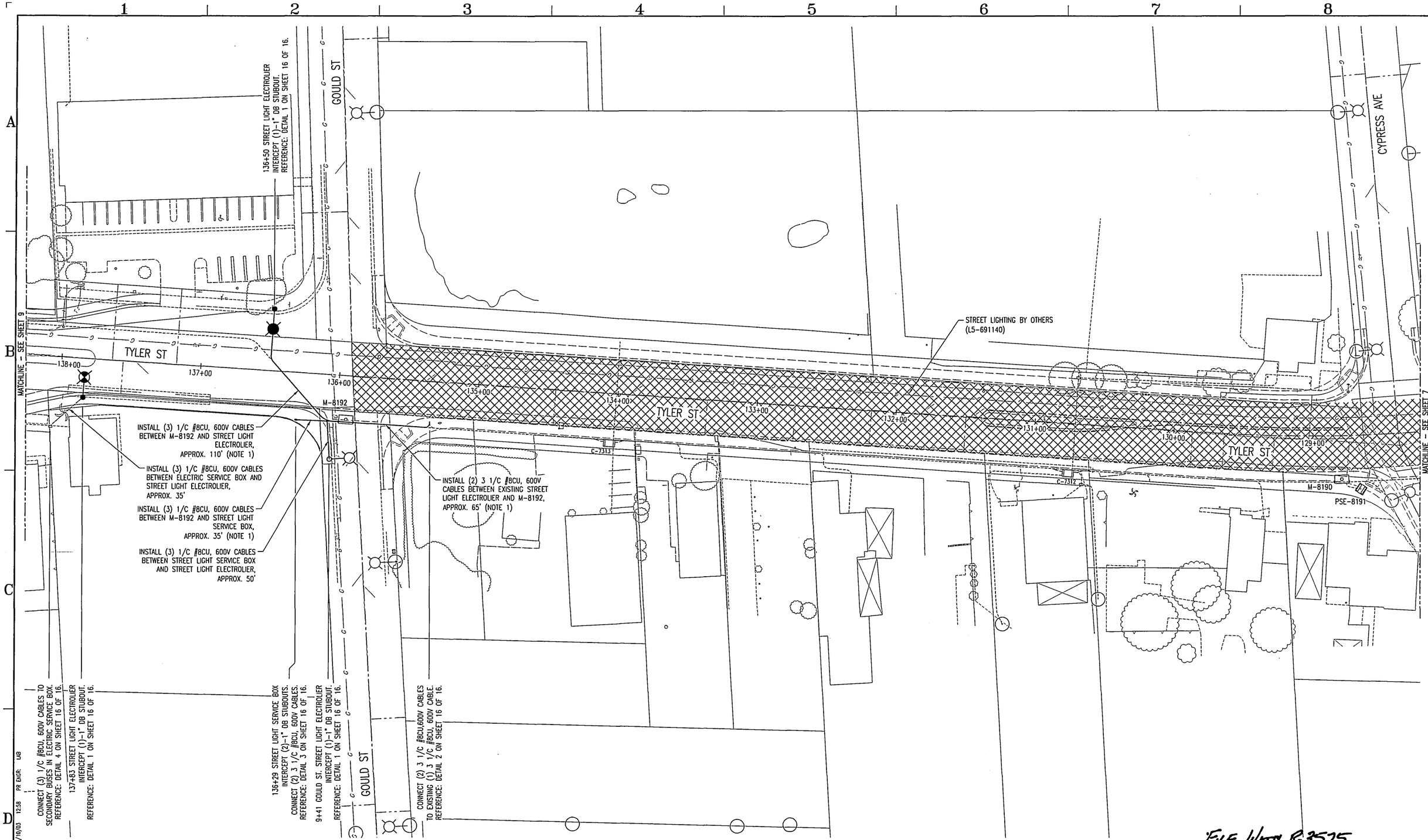
REVISIONS [redacted]

TITLE
CITY OF RIVERSIDE
DEPARTMENT OF PUBLIC UTILITIES
TYLER ST. OVERHEAD TO UNDERGROUND CONVERSION
WELLS AVE. TO JURUPA AVE.

Drawn By: KAC	Date 05/04/01	ENGR. LAB	Date 04/12/01	DRAWING No.	REVISION
Chk'd. By: LAB	Date 05/04/01	APPD. AJT	Date 04/12/01	L5-611158	C
Project No. 10-245	SCALE 1"=30'-0"	ACCT. NO. 6130003730 470637xx		SHEET 7 OF 16	

FILE WITH R-3575

INDEXED 5-24-04 GA



FILE WITH R-3575

48 HOURS BEFORE YOU DIG
CALL
UNDERGROUND SERVICE ALERT
1-800-227-2600

NOTES:
1. PULL (3) 1/C #8CU, 600V CABLES THROUGH M-8192, DO NOT SPLICE.

NORTH

SCALE: 1"=30'-0"

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- ☐ REVISION

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C	ISSUED FOR BID	KAC	09/05/03	LAB
B	CITY COMMENTS	KAC	05/06/02	LAB
A	INITIAL DESIGN	KAC	07/17/01	LAB

REVISIONS

[redacted]

TITLE
CITY OF RIVERSIDE
DEPARTMENT OF PUBLIC UTILITIES
TYLER ST. OVERHEAD TO UNDERGROUND CONVERSION
WELLS AVE. TO JURUPA AVE.

Drawn By: KAC	Date 05/04/01	ENGR. LAB	Date 04/12/01	DRAWING No. L5-611158	REVISION C
Chk'd. By: LAB	Date 05/04/01	APPD. AJT	Date 04/12/01		
Project No. 10-245	SCALE 1"=30'-0"	ACCT. NO. 6130003730 470637xx		SHEET 8 OF 16	

INDEXED 5-24-04 LFH

10-245_SHT108.dwg kc 09/10/03 12:58 PR ENGR: LAB

146+66 STREET LIGHT ELECTROLIER INTERCEPT (1)-1" DB STUBOUT. REFERENCE: DETAIL 2 ON SHEET 16 OF 16.

143+97 STREET LIGHT ELECTROLIER INTERCEPT (1)-1" DB STUBOUT. REFERENCE: DETAIL 1 ON SHEET 16 OF 16.

ARLINGTON AVE

139+59 STREET LIGHT ELECTROLIER INTERCEPT (1)-1" DB STUBOUT. REFERENCE: DETAIL 1 ON SHEET 16 OF 16.

139+05 STREET LIGHT SERVICE BOX INTERCEPT (2)-1" DB STUBOUTS. CONNECT (2) 3 1/C #8CU, 600V CABLES. REFERENCE: DETAIL 3 ON SHEET 16 OF 16.

CONNECT (3) 1/C #8CU, 600V CABLES TO TRANSFORMER SECONDARY TERMINALS. REFERENCE: DETAIL 5 ON SHEET 16 OF 16.

INSTALL (3) 1/C #8CU, 600V CABLES BETWEEN STREET LIGHT ELECTROLIER AND STREET LIGHT ELECTROLIER, APPROX. 190'

P-5920

P-1612

PJC-8197

PSE-8195

M-8194

INSTALL (3) 1/C #8CU, 600V CABLES BETWEEN C-8193 AND STREET LIGHT SERVICE BOX, APPROX. 2'

INSTALL (3) 1/C #8CU, 600V CABLES BETWEEN STREET LIGHT SERVICE BOX AND STREET LIGHT ELECTROLIER, APPROX. 55'

C-8193

TYLER ST

148+00 147+00 146+00 145+00 144+00 143+00 142+00 141+00 140+00 139+00

INSTALL (3) 1/C #8CU, 600V CABLES BETWEEN P-8196 AND STREET LIGHT ELECTROLIER, APPROX. 270'

INSTALL (3) 1/C #8CU, 600V CABLES BETWEEN STREET LIGHT ELECTROLIER AND STREET LIGHT ELECTROLIER, APPROX. 85'

TYLER ST

INSTALL (3) 1/C #8CU, 600V CABLES BETWEEN P-8196 AND STREET LIGHT ELECTROLIER, APPROX. 85'

P-8196

C-3004

ARLINGTON AVE

148+01 STREET LIGHT ELECTROLIER INTERCEPT (1)-1" DB STUBOUT. REFERENCE: DETAIL 1 ON SHEET 16 OF 16.

145+32 STREET LIGHT ELECTROLIER INTERCEPT (1)-1" DB STUBOUT. REFERENCE: DETAIL 2 OF SHEET 16 OF 16.

CONNECT (2) 3 1/C #8CU, 600V CABLES TO TRANSFORMER SECONDARY TERMINALS. REFERENCE: DETAIL 5 ON SHEET 16 OF 16.

MATCHLINE - SEE SHEET 10

MATCHLINE - SEE SHEET 8

10-245_SHT09.dwg lc 09/10/03 13:35 PR ENGR: LAB

48 HOURS BEFORE YOU DIG CALL UNDERGROUND SERVICE ALERT 1-800-227-2600

NORTH

SCALE: 1"=30'-0"

PRINTED 09/05/03 FOR DATE

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C	ISSUED FOR BID	KAC	09/05/03	LAB
B	CITY COMMENTS	KAC	05/06/02	LAB
A	INITIAL DESIGN	KAC	07/17/01	LAB

REVISIONS

TITLE

CITY OF RIVERSIDE
DEPARTMENT OF PUBLIC UTILITIES
TYLER ST. OVERHEAD TO UNDERGROUND CONVERSION
WELLS AVE. TO JURUPA AVE.

Drawn By:	KAC	Date	05/04/01	ENGR.	LAB	Date	04/12/01
Chk'd. By:	LAB	Date	05/04/01	APPD.	AJT	Date	04/12/01
Project No.	10-245	SCALE	1"=30'-0"	ACCT. NO.	6130003730 470637xx	SHEET	9 OF 16

DRAWING No. L5-611158

REVISION C

FILE WITH R-3575

INDEXED 5-84-04 GH

157+77 STREET LIGHT ELECTROLIER INTERCEPT (1)-1" DB STUBOUT. REFERENCE: DETAIL 1 ON SHEET 16 OF 16.

156+70 STREET LIGHT PULLBOX INTERCEPT (3)-1" DB STUBOUTS. REFERENCE: DETAIL 3 ON SHEET 16 OF 16.

REMOVE EXISTING STREET LIGHT ELECTROLIER. SALVAGE AND RETURN ALL COMPONENTS TO RIVERSIDE PUBLIC UTILITIES.

155+55 STREET LIGHT ELECTROLIER INTERCEPT (2)-1" DB STUBOUTS. REFERENCE: DETAIL 2 ON SHEET 16 OF 16.

REMOVE EXISTING STREET LIGHT ELECTROLIER. SALVAGE AND RETURN ALL COMPONENTS TO RIVERSIDE PUBLIC UTILITIES.

154+40 STREET LIGHT SERVICE BOX INTERCEPT (3)-1" DB STUBOUTS. REFERENCE: DETAIL 3 ON SHEET 16 OF 16.

153+31 STREET LIGHT ELECTROLIER INTERCEPT (2)-1" DB STUBOUTS. REFERENCE: DETAIL 2 ON SHEET 16 OF 16.

REMOVE EXISTING STREET LIGHT ELECTROLIER. SALVAGE AND RETURN ALL COMPONENTS TO RIVERSIDE PUBLIC UTILITIES.

152+21 STREET LIGHT SERVICE BOX INTERCEPT (3)-1" DB STUBOUTS. REFERENCE: DETAIL 3 ON SHEET 16 OF 16.

151+10 STREET LIGHT ELECTROLIER INTERCEPT (2)-1" DB STUBOUTS. REFERENCE: DETAIL 2 ON SHEET 16 OF 16.

CONNECT (3) 3 1/C #8CU,600V CABLES TO TRANSFORMER SECONDARY TERMINALS. REFERENCE: DETAIL 5 ON SHEET 16 OF 16.

150+18.5 STREET LIGHT SERVICE BOX INTERCEPT (3)-1" DB STUBOUTS. CONNECT (3) 3 1/C #8CU,600V CABLES. REFERENCE: DETAIL 3 ON SHEET 16 OF 16.

148+88 STREET LIGHT ELECTROLIER INTERCEPT (2)-1" DB STUBOUTS. REFERENCE: DETAIL 2 ON SHEET 16 OF 16.

INSTALL (3) 1/C #8CU, 600V CABLES BETWEEN STREET LIGHT SERVICE BOX AND STREET LIGHT ELECTROLIER, APPROX. 140'

INSTALL (3) 1/C #8CU, 600V CABLES BETWEEN STREET LIGHT ELECTROLIER AND STREET LIGHT SERVICE BOX, APPROX. 148'

INSTALL (3) 1/C #8CU, 600V CABLES BETWEEN STREET LIGHT SERVICE BOX AND STREET LIGHT ELECTROLIER, APPROX. 143'

INSTALL (3) 1/C #8CU, 600V CABLES BETWEEN STREET LIGHT ELECTROLIER AND STREET LIGHT SERVICE BOX, APPROX. 143'

INSTALL (3) 1/C #8CU, 600V CABLES BETWEEN STREET LIGHT SERVICE BOX AND STREET LIGHT ELECTROLIER, APPROX. 145'

INSTALL (3) 1/C #8CU, 600V CABLES BETWEEN STREET LIGHT ELECTROLIER AND STREET LIGHT SERVICE BOX, APPROX. 125'

INSTALL (3) 1/C #8CU, 600V CABLES BETWEEN M-8199 AND STREET LIGHT ELECTROLIER, APPROX. 30' (NOTE 1)

INSTALL (3) 1/C #8CU, 600V CABLES BETWEEN CB198 AND M-8199, APPROX. 95' (NOTES 1 & 2)

INSTALL (3) 1/C #8CU, 600V CABLES BETWEEN STREET LIGHT ELECTROLIER AND STREET LIGHT SERVICE BOX, APPROX. 87'

INSTALL (3) 1/C #8CU, 600V CABLES BETWEEN STREET LIGHT SERVICE BOX AND STREET LIGHT ELECTROLIER, APPROX. 70'

INSTALL (3) 1/C #8CU, 600V CABLES BETWEEN STREET LIGHT SERVICE BOX AND STREET LIGHT ELECTROLIER, APPROX. 70'

INSTALL (2) 3 1/C #8CU, 600V CABLES BETWEEN C-8198 AND STREET LIGHT SERVICE BOX, APPROX. 18' (NOTE 2)

INSTALL (3) 1/C #8CU, 600V CABLES BETWEEN STREET LIGHT SERVICE BOX AND STREET LIGHT ELECTROLIER, APPROX. 96'

INSTALL (3) 1/C #8CU, 600V CABLES BETWEEN STREET LIGHT SERVICE BOX AND STREET LIGHT ELECTROLIER, APPROX. 140'

INSTALL (3) 1/C #8CU, 600V CABLES BETWEEN STREET LIGHT ELECTROLIER AND STREET LIGHT ELECTROLIER, APPROX. 132'

156+70 STREET LIGHT ELECTROLIER INTERCEPT (1)-1" DB STUBOUT. REFERENCE: DETAIL 1 ON SHEET 16 OF 16.

154+40 STREET LIGHT ELECTROLIER INTERCEPT (1)-1" DB STUBOUT. REFERENCE: DETAIL 1 ON SHEET 16 OF 16.

152+21 STREET LIGHT ELECTROLIER INTERCEPT (1)-1" DB STUBOUT. REFERENCE: DETAIL 1 ON SHEET 16 OF 16.

150+03 STREET LIGHT ELECTROLIER INTERCEPT (1)-1" DB STUBOUT. REFERENCE: DETAIL 1 ON SHEET 16 OF 16.

-9+35 GAYLORD ST. STREET LIGHT ELECTROLIER INTERCEPT (1)-1" DB STUBOUT. REFERENCE: DETAIL 1 ON SHEET 16 OF 16.

TYLER ST

TYLER ST

TYLER ST

C-8198

M-8199

158+00 157+00 156+00 155+00 154+00 153+00 152+00 151+00 150+00 149+00

GAYLORD ST

MATCHLINE – SEE SHEET 11

MATCHLINE – SEE SHEET 9

48 HOURS BEFORE YOU DIG CALL UNDERGROUND SERVICE ALERT 1-800-227-2600

NOTES:
1. PULL (3) 1/C #8CU, 600V CABLES THROUGH M-8199, DO NOT SPLICE.
2. PULL (3) 1/C #8CU, 600V CABLES THROUGH C-8198, DO NOT SPLICE.

NORTH

SCALE: 1"=30'-0"

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No.	DESCRIPTION	BY	DATE	APPD.
C	ISSUED FOR BID	KAC	09/05/03	LAB
B	CITY COMMENTS	KAC	05/06/02	LAB
A	INITIAL DESIGN	KAC	07/17/01	LAB

REVISIONS [redacted]

TITLE
CITY OF RIVERSIDE
DEPARTMENT OF PUBLIC UTILITIES
TYLER ST. OVERHEAD TO UNDERGROUND CONVERSION
WELLS AVE. TO JURUPA AVE.

Drawn By:	KAC	Date 05/04/01	ENGR.	LAB	Date 04/12/01
Chk'd By:	LAB	Date 05/04/01	APPD.	AJT	Date 04/12/01
Project No.	10-245	SCALE	1"=30'-0"	ACCT. NO.	6130003730 470637xx

DRAWING No. L5-611158 REVISION C

SHEET 10 OF 16

FILE WITH R-3575

INDEXED 5-24-04 GH

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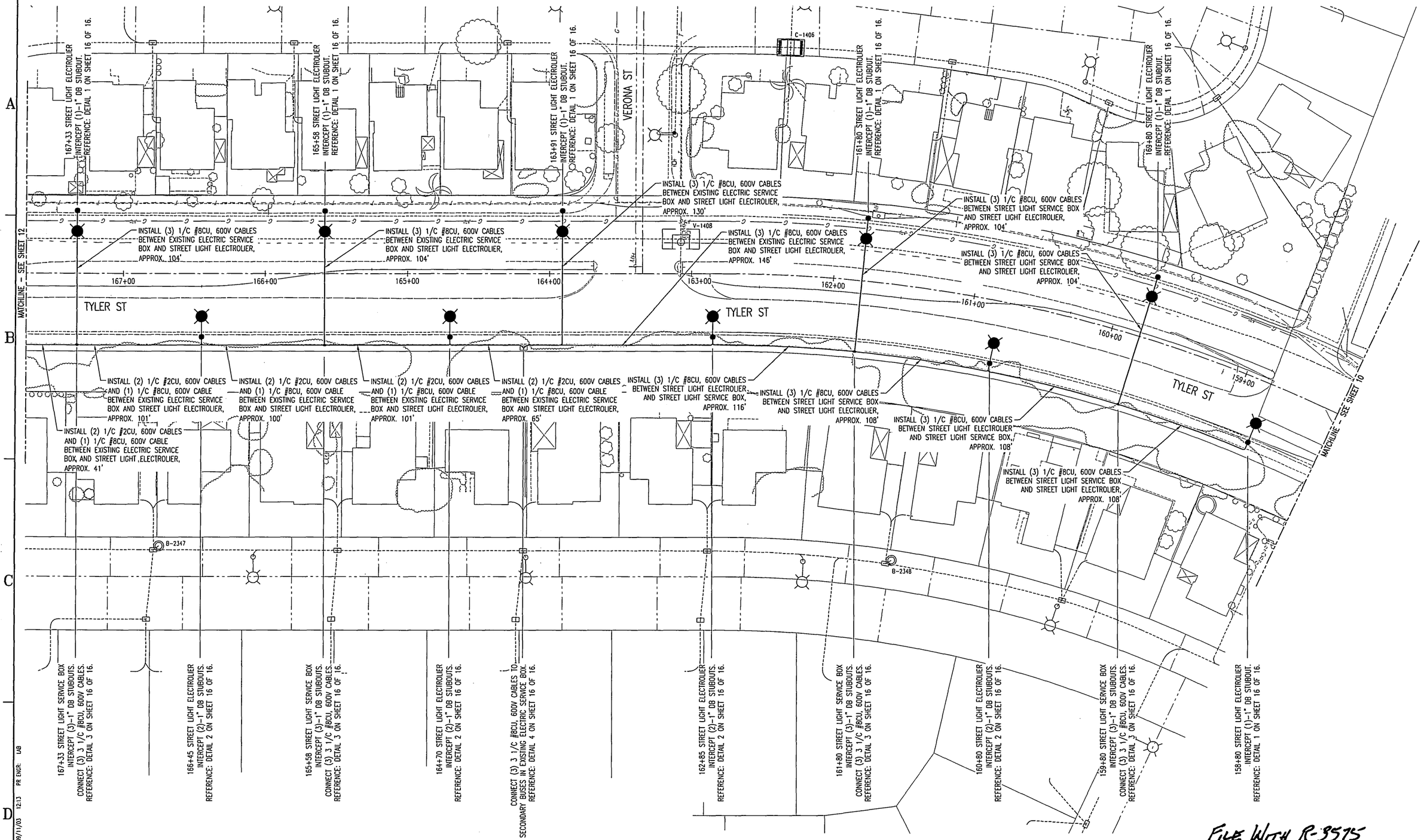

10-245_SHTL11.dwg kc 09/1/03 12:13 PR ENGR: LAB

48 HOURS BEFORE YOU DIG
CALL
UNDERGROUND SERVICE ALERT
1-800-227-2600

NORTH

SCALE: 1"=30'-0"

PRINTED 09/05/03 FOR DATE

- ☐ PRELIMINARY
- ☐ DESIGN DEVELOPMENT
- ☒ BIDDING
- ☐ CONSTRUCTION
- ☐ APPROVAL
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- ☐ REVISION

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No.	DESCRIPTION	BY	DATE	APPD.
C	ISSUED FOR BID	KAC	09/05/03	LAB
B	CITY COMMENTS	KAC	05/06/02	LAB
A	INITIAL DESIGN	KAC	07/17/01	LAB

REVISIONS [redacted]

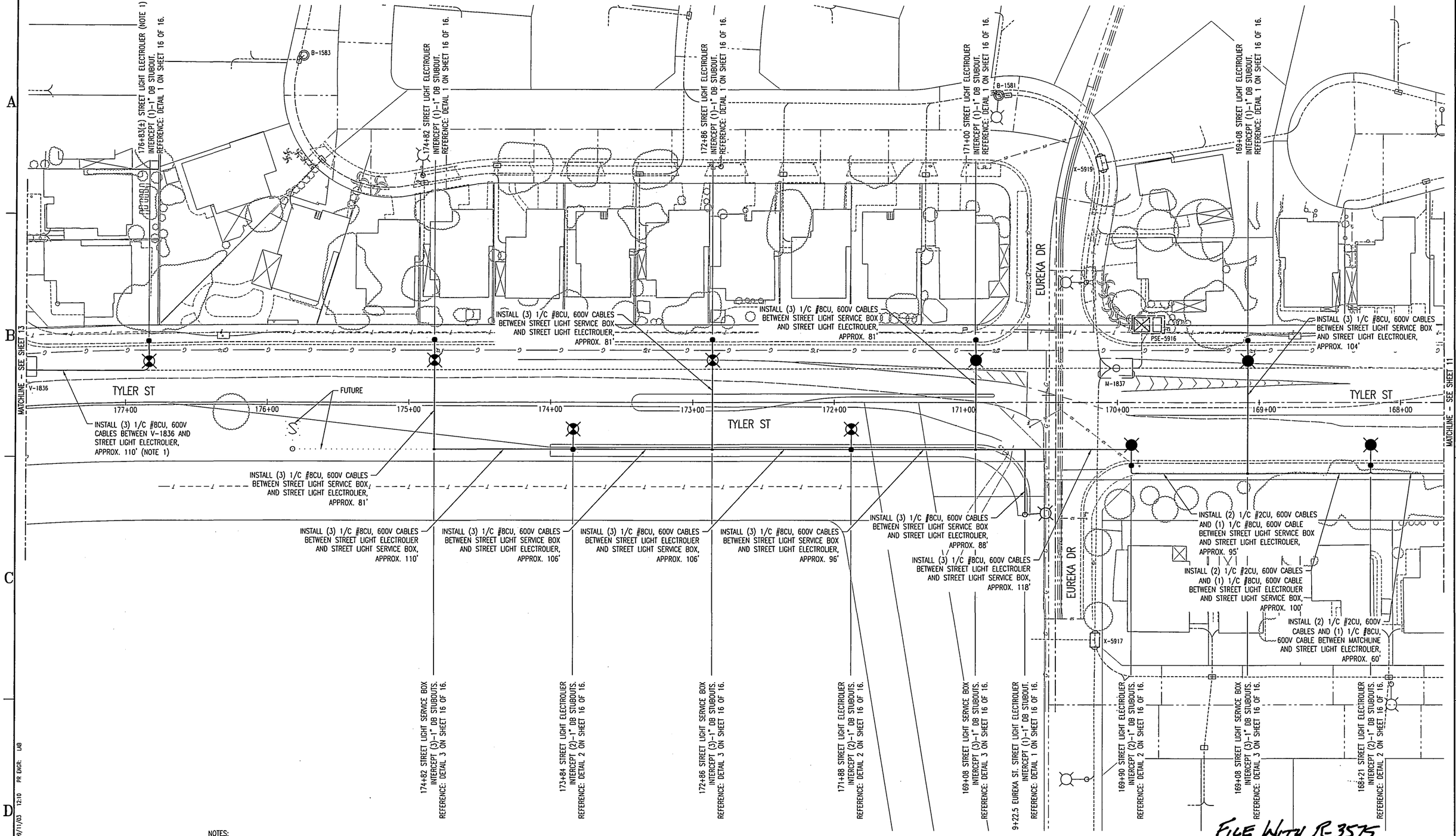
TITLE
CITY OF RIVERSIDE
DEPARTMENT OF PUBLIC UTILITIES
TYLER ST. OVERHEAD TO UNDERGROUND CONVERSION
WELLS AVE. TO JURUPA AVE.

Drawn By:	KAC	Date 05/04/01	ENGR.	LAB	Date 04/12/01
Chk'd. By:	LAB	Date 05/04/01	APPD.	AJT	Date 04/12/01
Project No.	10-245	SCALE 1"=30'-0"	ACCT. NO.	6130003730 470637xx	SHEET 11 OF 16

DRAWING No. L5-611158
REVISION C

FILE WITH R-3575

INDEXED 5-24-04 LEH



10-245_SHTL12.dwg kc 09/11/03 12:10 PR ENGR: LAB

48 HOURS BEFORE YOU DIG CALL UNDERGROUND SERVICE ALERT 1-800-227-2600

NOTES:
1. REFER TO U/L5-7536 AND U/L5-7344 FOR STREET LIGHT LOCATIONS AND CONDUIT STUBOUT LOCATIONS.
2. PULL (3) 1/C #8CU, 600V CABLES THROUGH V-1836 TO STREET LIGHTS NORTH OF V-1836, DO NOT SPLICE.

NORTH

SCALE: 1"=30'-0"

PRINTED 09/05/03 FOR DATE
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C	ISSUED FOR BID	KAC	09/05/03	LAB
B	CITY COMMENTS	KAC	05/06/02	LAB
A	INITIAL DESIGN	KAC	07/17/01	LAB

REVISIONS

TITLE
CITY OF RIVERSIDE
DEPARTMENT OF PUBLIC UTILITIES
TYLER ST. OVERHEAD TO UNDERGROUND CONVERSION
WELLS AVE. TO JURUPA AVE.

Drawn By:	KAC	Date	05/04/01	ENGR.	LAB	Date	04/12/01
Chk'd. By:	LAB	Date	05/04/01	APPD.	AJT	Date	04/12/01
Project No.	10-245	SCALE	1"=30'-0"	ACCT. NO.	6130003730 470637xx		

DRAWING No. L5-611158 REVISION C
SHEET 12 OF 16

FILE WITH R-3575

INDEXED 5-24-04 LH

185+91(±) STREET LIGHT ELECTROLIER (NOTE 1)
INTERCEPT (1)-1" DB STUBOUTS.
REFERENCE: DETAIL 2 ON SHEET 16 OF 16.

183+96(±) STREET LIGHT ELECTROLIER (NOTE 1)
INTERCEPT (2)-1" DB STUBOUTS.
REFERENCE: DETAIL 2 ON SHEET 16 OF 16.

182+00(±) STREET LIGHT ELECTROLIER (NOTE 1)
INTERCEPT (2)-1" DB STUBOUTS.
REFERENCE: DETAIL 2 ON SHEET 16 OF 16.

CONNECT (3) 1/C #8CU, 600V CABLES TO EXISTING SECONDARY BUSES IN EXISTING ELECTRIC SERVICE BOX.
REFERENCE: DETAIL 2 ON SHEET 16 OF 16.

180+32(±) STREET LIGHT ELECTROLIER (NOTE 1)
INTERCEPT (3)-1" DB STUBOUTS.
REFERENCE: DETAIL 2 ON SHEET 16 OF 16.

178+59(±) STREET LIGHT ELECTROLIER (NOTE 1)
INTERCEPT (2)-1" DB STUBOUTS.
REFERENCE: DETAIL 2 ON SHEET 16 OF 16.

B-2037

B-1832

V-1836

INSTALL (3) 1/C #8CU, 600V CABLES BETWEEN STREET LIGHT ELECTROLIER AND MATCHLINE, APPROX. 190' (NOTE 1)

INSTALL (3) 1/C #8CU, 600V CABLES BETWEEN STREET LIGHT ELECTROLIER AND STREET LIGHT ELECTROLIER, APPROX. 222' (NOTE 1)

INSTALL (3) 1/C #8CU, 600V CABLES BETWEEN STREET LIGHT ELECTROLIER AND STREET LIGHT ELECTROLIER, APPROX. 223' (NOTE 1)

INSTALL (3) 1/C #8CU, 600V CABLES BETWEEN STREET LIGHT ELECTROLIER AND STREET LIGHT ELECTROLIER, APPROX. 195' (NOTE 1)

INSTALL (3) 1/C #8CU, 600V CABLES BETWEEN EXISTING ELECTRIC SERVICE BOX AND STREET LIGHT ELECTROLIER, APPROX. 85' (NOTE 1)

INSTALL (3) 1/C #8CU, 600V CABLES BETWEEN STREET LIGHT ELECTROLIER AND STREET LIGHT ELECTROLIER, APPROX. 190' (NOTE 1)

INSTALL (3) 1/C #8CU, 600V CABLES BETWEEN STREET LIGHT ELECTROLIER AND V-1836, APPROX. 108' (NOTES 1 & 2)

-	-	-
(1)-1"SCH40	180'	

TYLER ST

MANDALEY CT

MATCHLINE - SEE SHEET 14

MATCHLINE - SEE SHEET 12

48 HOURS BEFORE YOU DIG
CALL
UNDERGROUND SERVICE ALERT
1-800-227-2600

NOTES:
1. REFER TO U/L5-7536 AND U/L5-7344 FOR STREET LIGHT LOCATIONS AND CONDUIT STUBOUT LOCATIONS.
2. PULL (3) 1/C #8CU, 600V CABLES THROUGH V-1836 FROM STREET LIGHTS SOUTH OF V-1836, DO NOT SPLICE.

NORTH

SCALE: 1"=30'-0"

PRINTED 09/05/03 FOR DATE
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CONSULTING ENGINEERS
1145 E. SOUTH UNION AVE.
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PH. (801) 255-1111 FAX. 566-0068

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No.	DESCRIPTION	BY	DATE	APPD.
C	ISSUED FOR BID	KAC	09/05/03	LAB
B	CITY COMMENTS	KAC	05/06/02	LAB
A	INITIAL DESIGN	KAC	07/17/01	LAB

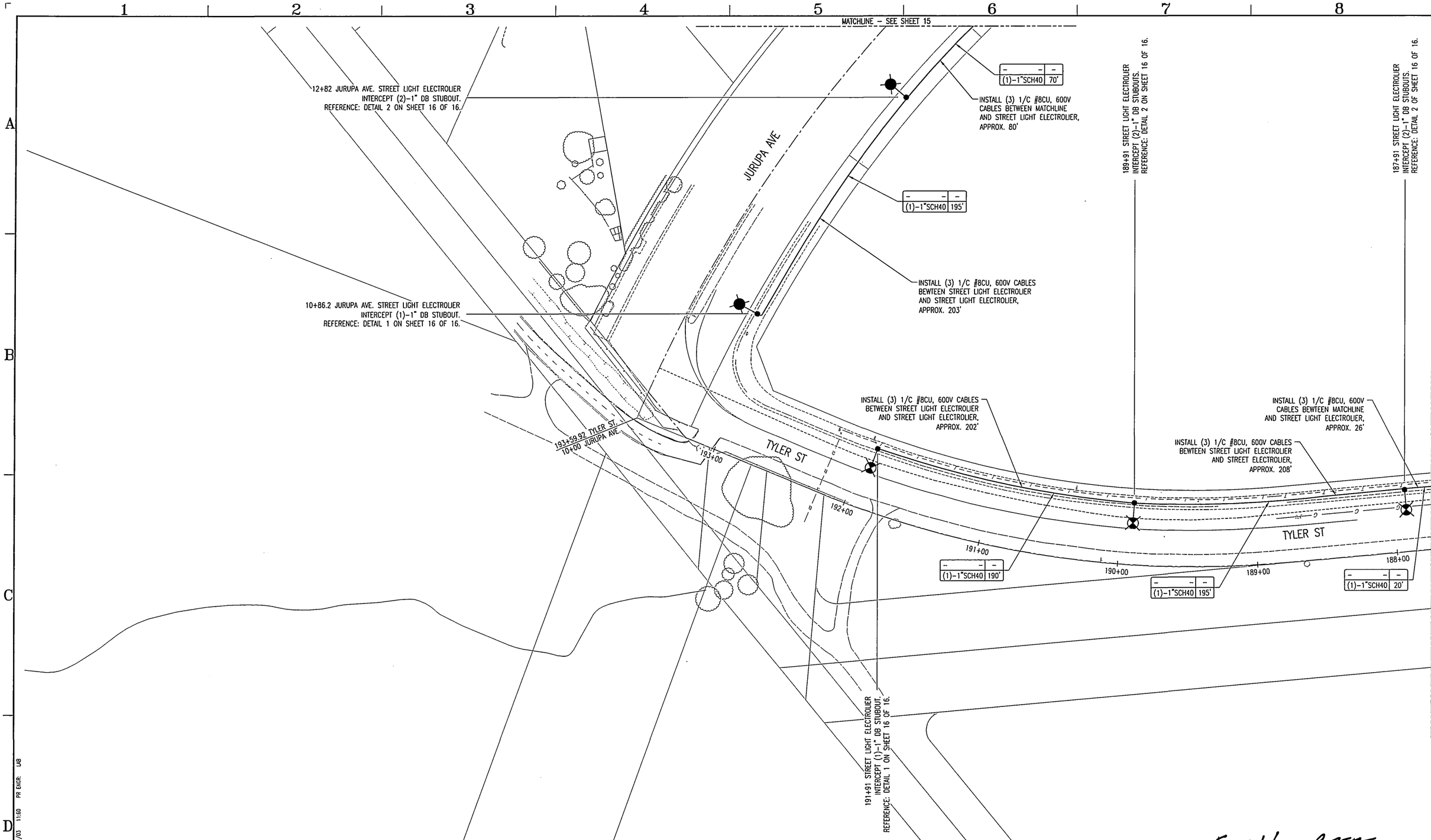
REVISIONS

TITLE
CITY OF RIVERSIDE
DEPARTMENT OF PUBLIC UTILITIES
TYLER ST. OVERHEAD TO UNDERGROUND CONVERSION
WELLS AVE. TO JURUPA AVE.

Drawn By: KAC	Date 05/04/01	ENGR. LAB	Date 04/12/01	DRAWING No. L5-611158	REVISION C
Chk'd. By: LAB	Date 05/04/01	APPD. AJT	Date 04/12/01		
Project No. 10-245	SCALE 1"=30'-0"	ACCT. NO. 6130003730 470637xx		SHEET 13 OF 16	

FILE WITH R-3575

10-245_SHT13.dwg 09/11/03 12:04 PR ENGR: LAB



FILE WITH R-3575

48 HOURS BEFORE YOU DIG
CALL
UNDERGROUND SERVICE ALERT
1-800-227-2600

NORTH

0 10 30
5 15 60
SCALE: 1"=30'-0"

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REVISIONS
[redacted]

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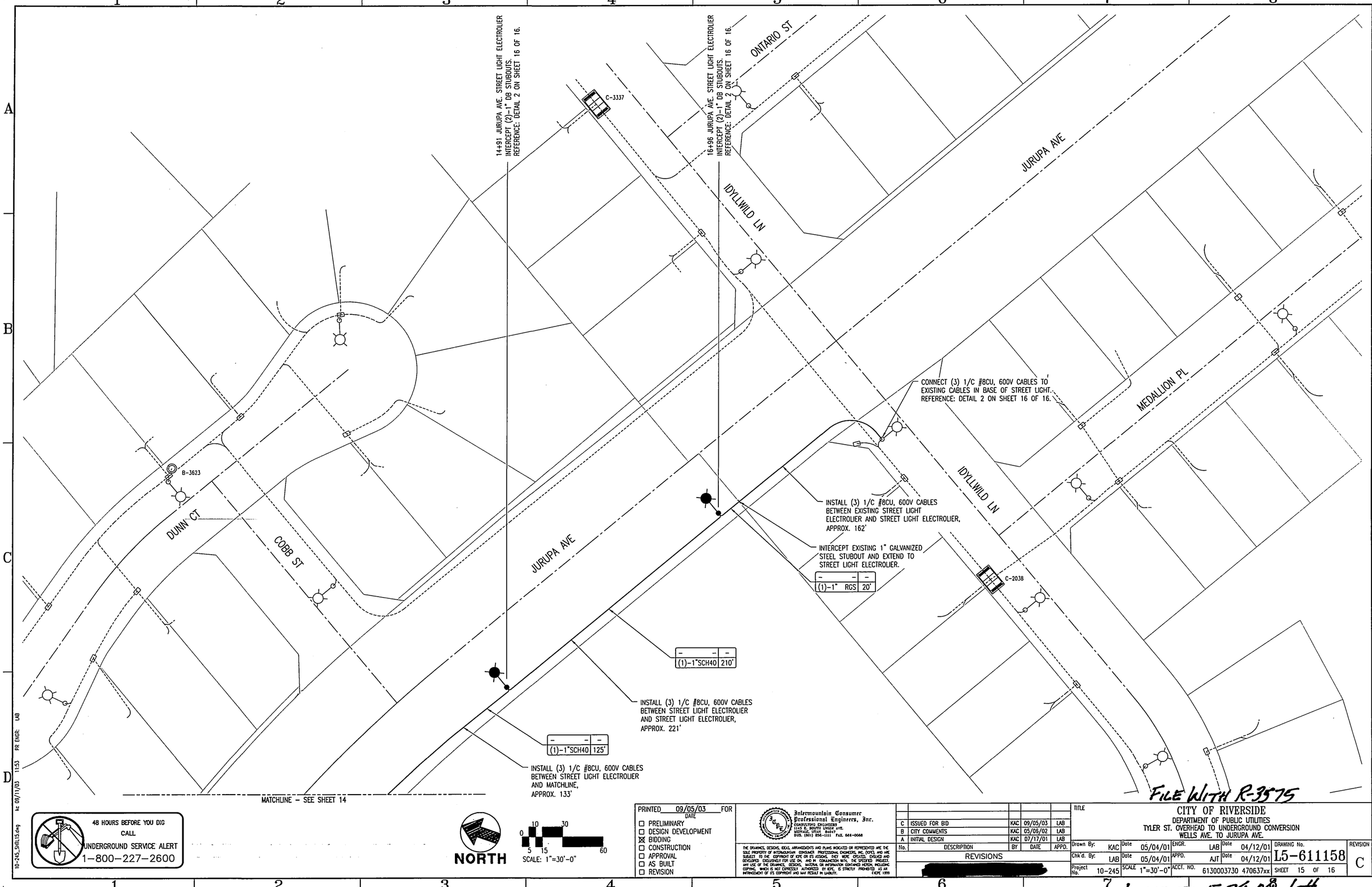
TYLER ST. OVERHEAD TO UNDERGROUND CONVERSION
WELLS AVE. TO JURUPA AVE.

Drawn By: KAC	Date 05/04/01	ENGR. LAB	Date 04/12/01	DRAWING No. L5-611158	REVISION C
Chk'd. By: LAB	Date 05/04/01	APPD. AJT	Date 04/12/01		
Project No. 10-245	SCALE 1"=30'-0"	ACCT. NO. 6130003730 470637xx		SHEET 14 OF 16	

INDEXED 5-24-04 LH

10-245_SHTL14.dwg kc 09/11/03 11:50 PR ENGR: LAB



10-245_SHT15.dwg ke 09/17/03 11:53 PR ENGR: LAB

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CALL
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1-800-227-2600

NORTH

0 10 30
5 15 60
SCALE: 1"=30'-0"

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TITLE

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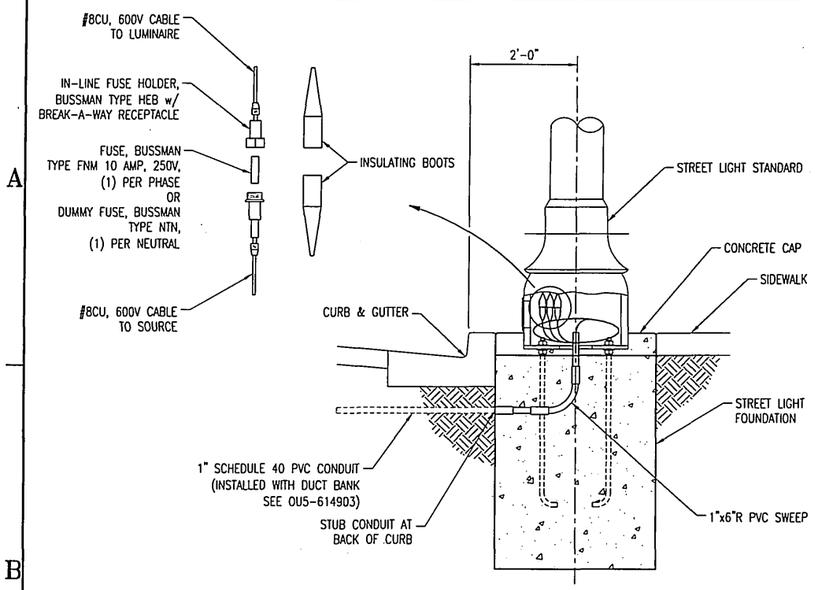
Chk'd. By:	LAB	Date 05/04/01	APPD.	AJT	Date 04/12/01
Project No.	10-245	SCALE 1"=30'-0"	ACCT. NO.	6130003730 470637xx	SHEET 15 OF 16

DRAWING No. L5-611158

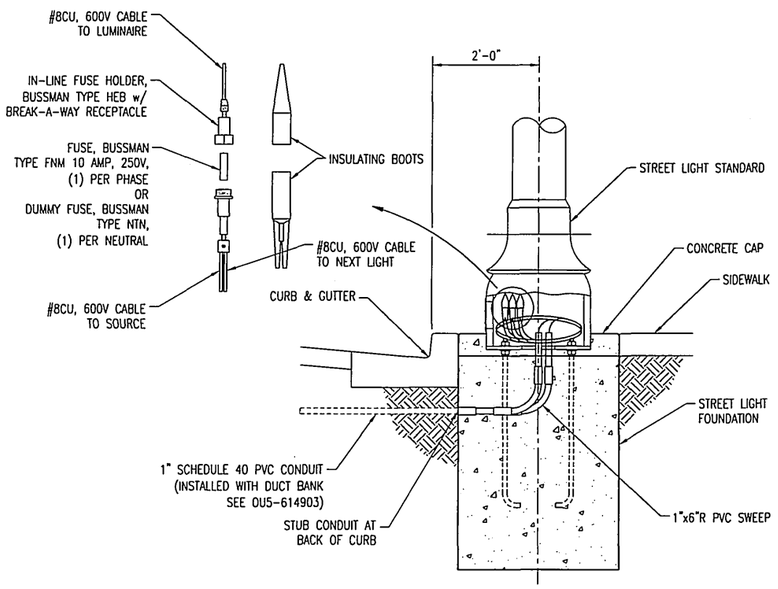
REVISION C

FILE WITH R-3575

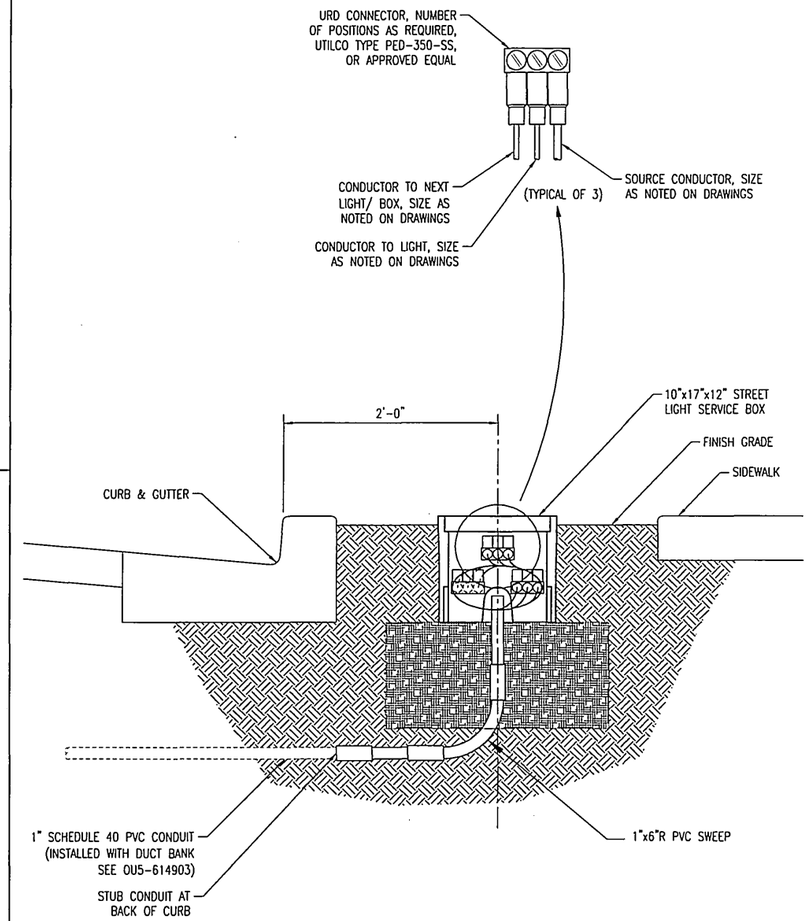
INDEXED 5-24-04 GH



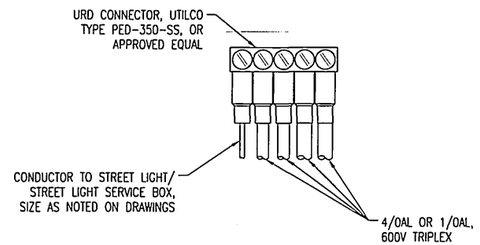
STREET LIGHT BASE CONNECTION – TYPE 1 (1/–)
SCALE: NTS



STREET LIGHT BASE CONNECTION – TYPE 2 (2/–)
SCALE: NTS



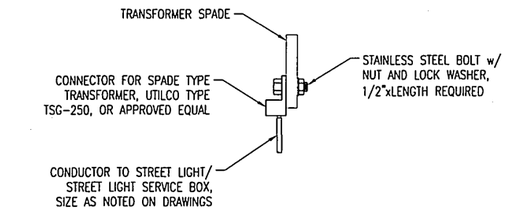
STREET LIGHT SERVICE BOX CONNECTION (3/–)
SCALE: NTS



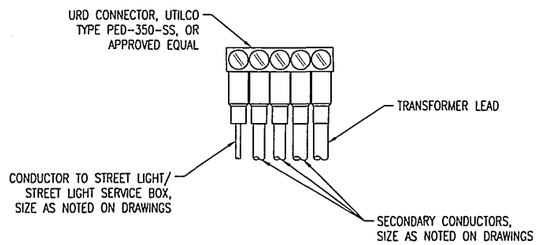
(TYPICAL OF 3)

NOTE: RACK CABLE AND CONNECTORS ON MANHOLE WALL.

STREET LIGHT MANHOLE/ ELECTRIC SERVICE BOX CONNECTION (4/–)
SCALE: NTS



PADMOUNTED TRANSFORMER CONNECTION
(TYPICAL OF 3)



SUBMERSIBLE (BURD) TRANSFORMER CONNECTION
(TYPICAL OF 3)

STREET LIGHT TRANSFORMER CONNECTION (5/–)
SCALE: NTS

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BTM NORTH

0 5 10 15 30 60
SCALE: 1"=30'-0"

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Chk'd. By:	LAB	Date	04/05/02	APPD.	AJT	Date	04/12/01
Project No.	10-245	SCALE	1"=30'-0"	ACCT. NO.	6130003730	470637xx	

DRAWING No: L5-611158
REVISION C
SHEET 16 OF 16

FILE WITH R-3575

INDEXED 5-24-04 GH

10-245_SHTL16.dwg kc 09/11/03 12:20 PM ENGR: LAB