CITY OF ROCKWALL, TEXAS

CONSTRUCTION PLANS FOR

INSTALLATION OF FANNIN STREET LIGHTS (BOYDSTUN TO WASHINGTON)

COUNCIL MEMBERS

BILL CECIL, MAYOR
CLIFF SEVIER, MAYOR PRO-TEM
DAVID SWEET
GLEN FARRIS
MARK RUSSO
MATT SCOTT

CITY MANAGER
JULIE COUCH

MARGO NIELSON

ASSISTANT CITY MANAGER
RICHARD CROWLEY

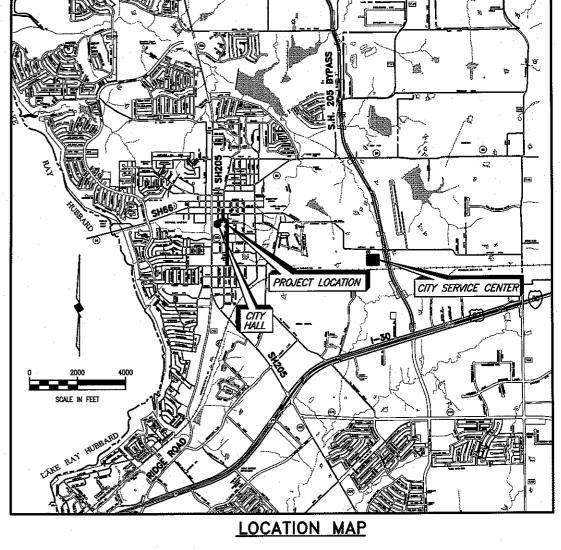
CHUCK TODD, P.E.



BIRKHOFF, HENDRICKS & CONWAY, L.L.P. PROFESSIONAL ENGINEERS

Texas Firm F526 Dallas, Texas

APRIL, 2009



SHEET INDEX

SHEET NO.	SHEET DESCRIPTION				
1	COVER SHEET				
C1	POLE LOCATIONS				
C2	POLE LOCATIONS				
C3	POLE LOCATIONS / GENERAL NOTES				
E1	ELECTRICAL SITE PLAN				
E2	ELECTRICAL ONE LINE DIAGRAM & SCHEMATICS				
E3	ELECTRICAL DETAILS SHEET I				
E4	ELECTRICAL DATAILS SHEET II				

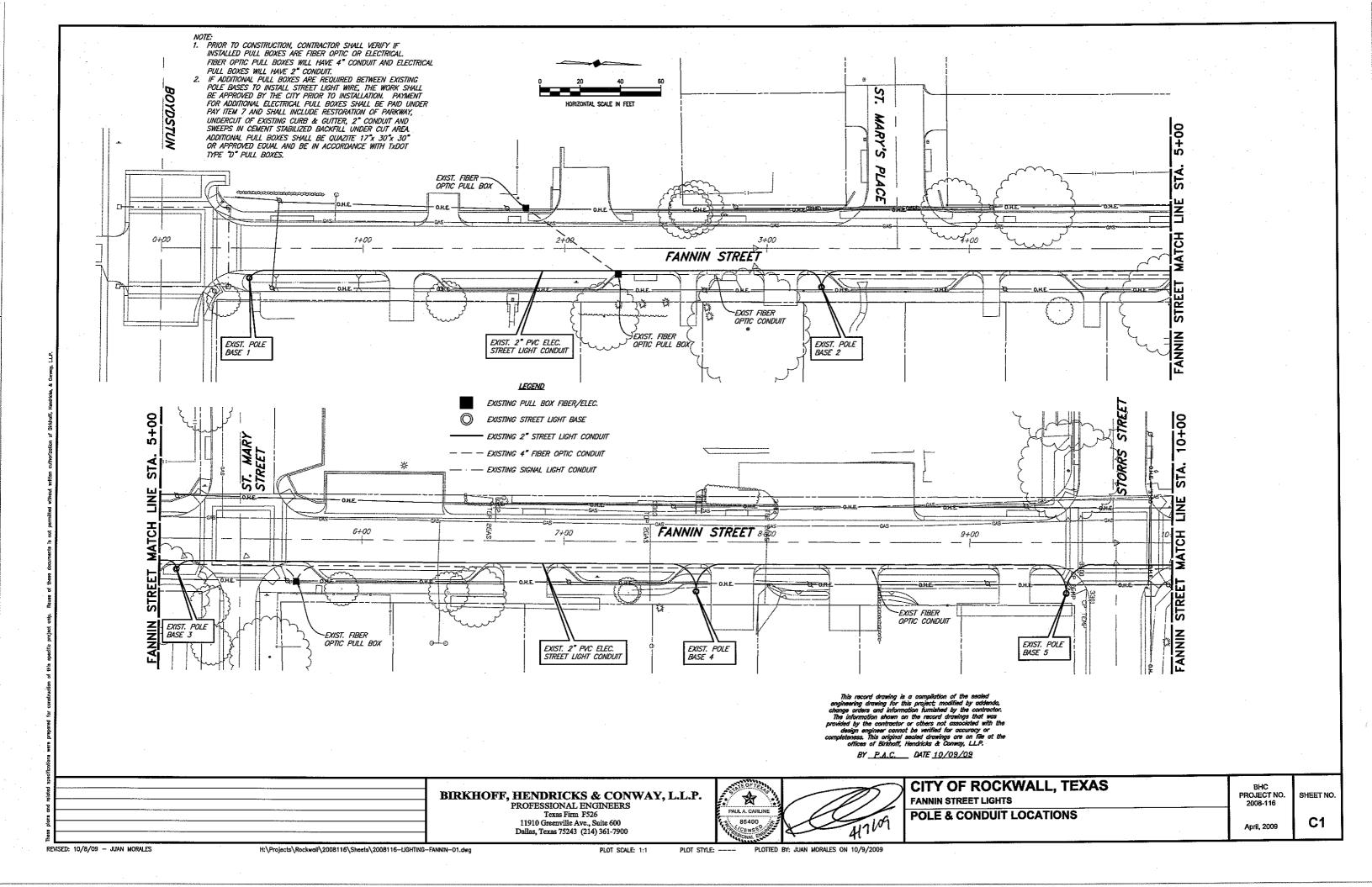


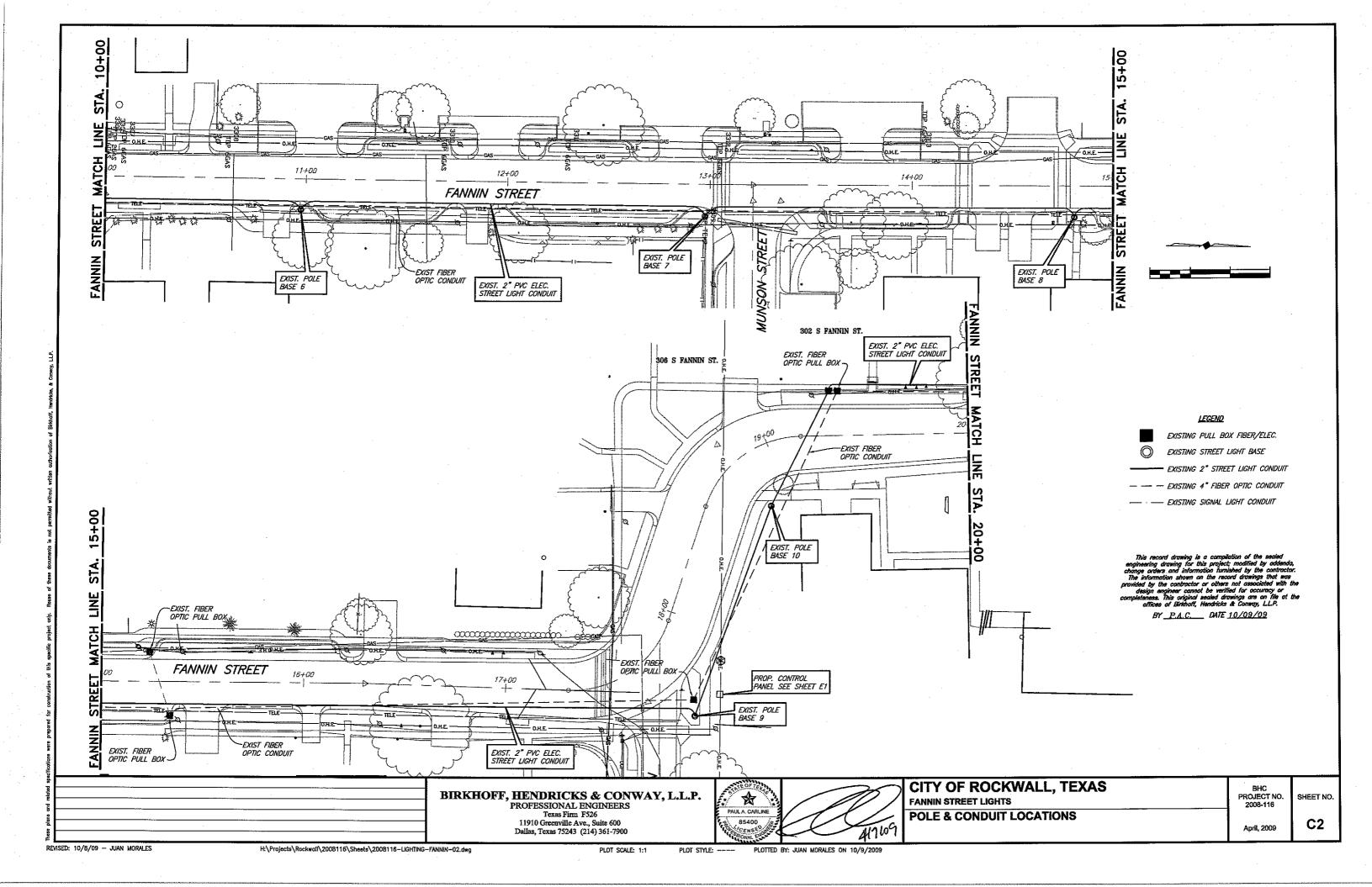
Inis record drawing is a complication of the seciled engineering drawing for this project; modified by addenda, change orders and information furnished by the contractor. The information shown on the record drawings that was provided by the contractor or others not associated with the design engineer cannot be verified for accuracy or completeness. This original sealed drawings are on file at the offices of Birkhoff, Hendricks & Conway, L.L.P.

BY <u>P.A.C</u> DATE <u>10/09/0</u>9

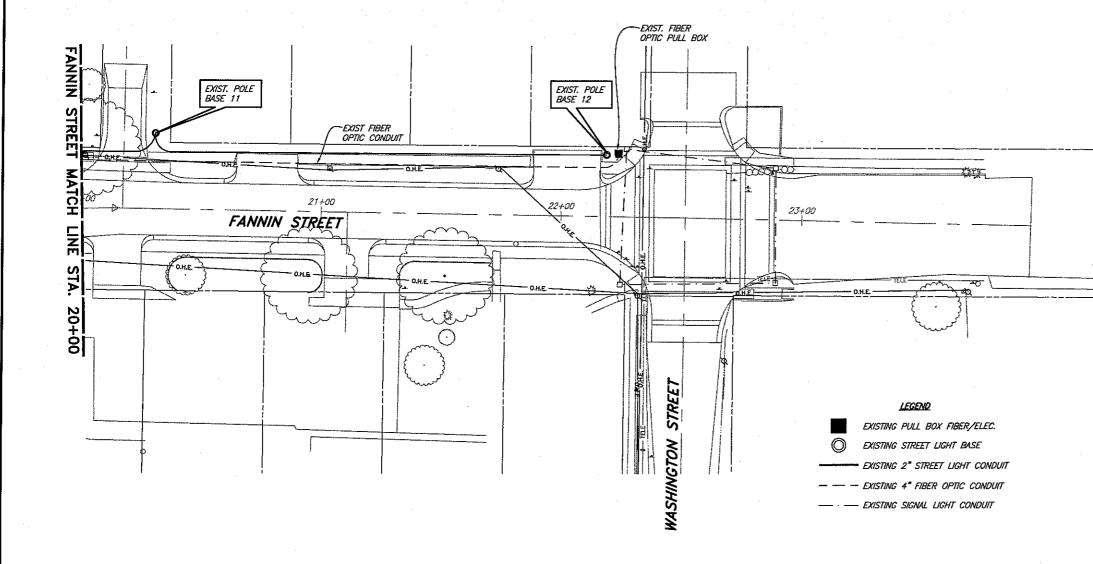
H:\Projects\Rock#(

/8/09 - JUAN MORALES









NOTE:

EXISTING POLE BASE 12 HAD DAMAGED MOUNTING BOLTS. THESE BOLTS WERE REMOVED AND REPLACED WITH NEW BOLTS DRILLED & EPOXIED INTO POLE BASE.

- 1. ALL CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" BY THE NORTH TEXAS CENTRAL COUNCIL OF GOVERNMENTS, 3rd EDITION AS AMENDED BY THE CITY OF ROCKWALL THE CONTRACTOR SHALL REFERENCE THE LATEST CITY OF ROCKWALL STANDARD DETAILS PROVIDED IN THE ROCKWALL PUBLIC WORKS DEPARTMENTS "STANDARDS OF DESIGN AD CONSTRUCTION" MANUAL FOR DETAILS NOT PROVIDED IN THESE PLANS. THE CONTRACTOR SHALL POSSESS ONE SET OF THE NCTCOG STANDARD SPECIFICATIONS AND DETAILS AND THE CITY OF ROCKWALL'S "STANDARDS OF DESIGN AND CONSTRUCTION," MANUAL ON THE POD SET SET ALL THESE CONSTRUCTION" MANUAL ON THE PROJECT SITE AT ALL TIMES.
- 2. REASONABLE EFFORT HAS BEEN MADE TO SHOW THE LOCATION OF ALL KNOWN UNDERGROUND UTILITIES AND SERVICE LINES. HOWEVER, THE OWNER & ENGINEER ASSUMES NO RESPONSIBILITY FOR FAILURE TO SHOW ANY OR ALL EXISTING SUBSUFFACE UTILITIES OR UTILITY LINES, OR TO SHOW THEM IN THEIR EXACT LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES, SERVICE LINES OR THE UNE, WHICH ARE CROSSED OR EXPOSED BY THE CONSTRUCTION OPERATION.
- 3. THE CONTRACTOR SHALL BE RESPOSIBLE FOR THE PROTECTION OF ALL EXISTING SERVICE LINES CROSSED OR EXPOSED BY CONSTRUCTION OPERATIONS. WHERE EXISTING SERVICE LINES ARE CUT, BROKEN OR DEMAGED, THE CONTRACTOR SHALL IMMEDIATELY REPLACE THE SERVICE LINE WITH SAME TYPE OF ORIGINAL CONSTRUCTION OR
- 4. CONTRACTOR SHALL SUPPORT UTLITIES WHERE CROSSING WITH PROPOSED STORM SEWERS, WATER LINES AND SANITARY SEWERS. METHOD OF SUPPORT SHALL BE PROVIDED TO THE OWNER 24 HOURS PRIOR TO CROSSING.
- 5. THE LOCATION OF ALL ATMOS GAS LINES, SBC AND TXU ELETRIC UNDERGROUND PHONE LINES IN THESE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL CONTACT ATMOS, TXU AND SBC TO VERIFY LOCATION AND DEPTH OF ALL EXISTING GAS, ELETRIC AND PHONE LINES PRIOR TO CONSTRUCTION.
- 6. THE CONTRACTOR SHALL REPLACE ALL SHRUBS, PLANTS, TREES ETC. THAT ARE REMOVED FOR CONVENIENCE OF CONSTRUCTION AT HIS EXPENSE. NEW SHRUBS, PLANTS, TREES, ETC. SHALL BE EQUAL TO OR BETTER THAN THE EXISTING ONES OR MEET THE NEEDS AND APPROVAL OF THE PROPERTY OWNER AND THE CITY.
- 7. THE CONTRACTOR SHALL PROTECT ALL UNDERGROUND SPRINKLER SYSTEMS. AN IRRICATOR LICENSED IN THE STATE OF TEXAS SHALL REPAIR ALL DAMAGE CAUSED BY CONSTRUCTION WITHIN 48 HOURS. ALL COSTS SHALL BE
- 8. THE CONTRACTOR SHALL NOT DISPOSE OF WASTE AND ANY MATERIALS INTO STREAMS OR WATERWAYS. THE CONTRACTOR SHALL SECURE ALL EXCAVATION AT THE END OF EACH DAY AND DISPOSE OF ALL EXCESS MATERIALS. DISPOSAL SITE SHALL BE DOCUMENTED AND PROVIDED TO THE CITY.
- 9. CONTRACTOR SHALL GRADE GROUND DISTURBED BY CONSTRUCTION TO PREVENT PONDING OF STORM WATER RUNOFF, TOPSOIL SHALL BE REPLACED TO A MINIMUM DEPTH OF TOPSOIL SHALL BE STOCKPILED AND REPLACED TO A MINIMUM DEPTH OF 4—INCHES AND DISC HARROWED TO A MINIMUM DEPTH OF 4—INCHES
- 10. CONTRACTOR SHALL REPLACE ANY TREES REMOVED OR DESTROYED THAT ARE NOT SHOWN IN THESE PLANS TO BE REMOVED OR SHALL PAY FAIR MARKET VALUE TO OWNER AS DETERMINED BY THE OWNER.
- 11. THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND REMOVE ALL NECESSARY TRAFFIC CONTROL DEVICES IN CONFORMANCE WITH THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (PART N).
- 12. THE CONTRACTOR SHALL PROVIDE ACCESS AT ALL TIMES DURING EACH PHASE OF CONSTRUCTION TO ALL LOCAL RESIDENTS, BUSINESSES, MAIL SERVICE AND TRASH PICK UP.
- 13. THE CONTRACTOR SHALL PROVIDE 4 INCHES OF TOP SOIL IN ALL PARKWAYS THAT ARE TO BE SODDED. TOP SOIL SHALL BE APPROVED BY THE CITY IN WRITING. TOPSOIL SHALL BE SUBSIDIARY TO PLACEMENT OF GRASS.
- 14. CONTRACTOR SHALL CONTACT THE CITY OF ROCKWALL TO LOCATE ALL WATER AND SANITARY SEWER LINES AND SERVICES PRIOR TO CONSTRUCTION.
- 15. CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ANCHOR BOLTS ON EXISTING POLE BASES AND PROVIDING ALL REQUIRED HARDWARE TO SECURE THE PRE-PURCHASED POLES TO THE EXISTING POLE BASES. (NO PAY ITEMS)

This record drawing is a compilation of the seeled regineering drawing for this project; modified by addenda, hange orders and information furnished by the contractor. The information shown on the record drawings that was wided by the contractor or others not associated with the design engineer cannot be verified for accuracy or upleteness. This original sealed drawings are on file at the offices of Einthoff, Hendricks & Conway, LLP.

BY P.A.C. DATE 10/09/09

BIRKHOFF, HENDRICKS & CONWAY, L.L.P. PROFESSIONAL ENGINEERS

Texas Firm F526 11910 Greenville Ave., Suite 600 Dallas, Texas 75243 (214) 361-7900

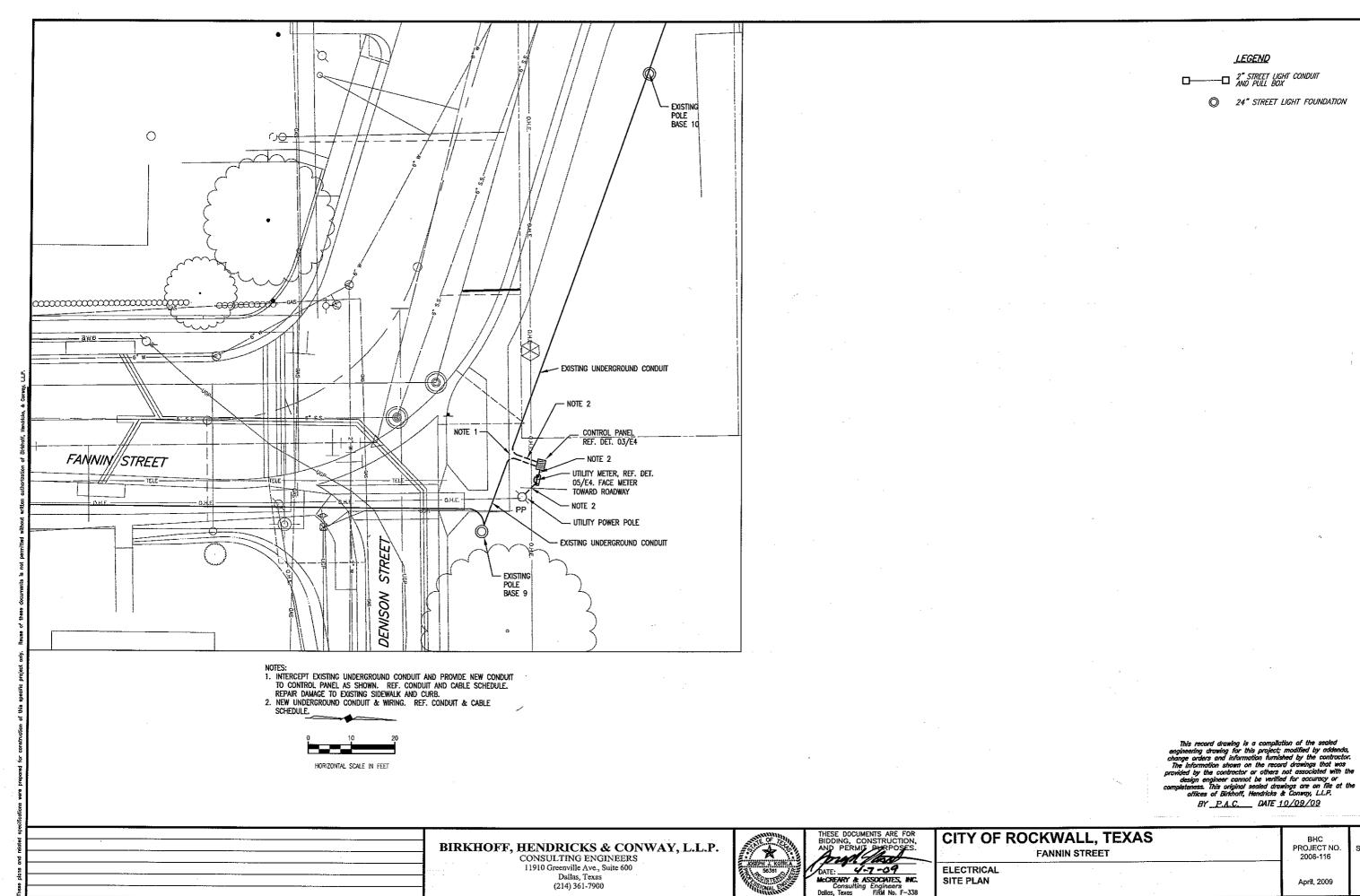


CITY OF ROCKWALL, TEXAS **FANNIN STREET LIGHTS** POLE & CONDUIT LOCATIONS

2008-116

PROJECT NO.

April, 2009



REVISED: 4/7/09 - RICHARD BRADY

Y:\18.070\Dwg\E01 ELECTRICAL PLAN.dwg

<u>LEGEND</u>

BHC

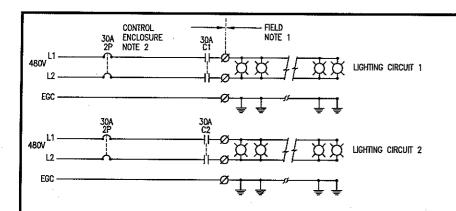
PROJECT NO.

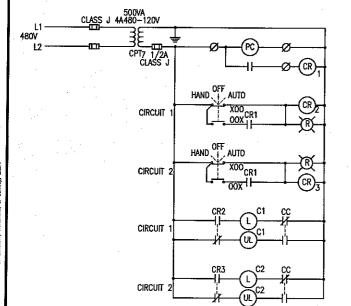
2008-116

April, 2009

SHEET NO.

E1

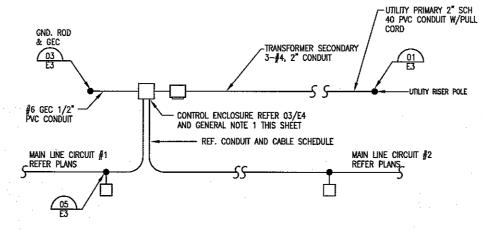




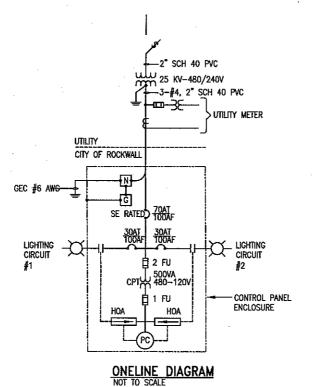
- 1. REFER TO PLANS FOR FIELD WIRE SIZES.
- 2. REFER TO ONE LINE DIAGRAM.

SCHEMATIC-DISTRIBUTION AND CONTROL ENCLOSURE

awing for this project; modified by and information furnished by the nongle orders and minoraneous numerical by the consecuer. The information shown on the record drawings that was wided by the contractor or others not associated with the design engineer cannot be verified for accuracy or impleteness. This original sealed drawings are on file at the offices of Birkhoff, Hendricks & Conway, LLP. BY P.A.C. DATE 10/09/09



PLAN-TYPICAL STREET LIGHT POWER & CONTROL



CONDUIT AND CABLE SCHEDULE							
TAG	WIRING	CONDUIT	SOURCE	DESTINATION	LENGTH IN FT.	COMMENTS	
1000	3#4, #4G	2"	UTILITY XFMR	TRANSOCKET		i i	
1000A	3#4, #4G	2"	TRANSOCKET	CONTROLLER ENCLOSURE			
1001	2#8, #8G	2"	POLE BASE 1	POLE BASE 2	305		
1002	2#8, #8G	2	POLE BASE 2	POLE BASE 3	210		
1003	2#8, #8G	2	POLE BASE 3	POLE BASE 4	285		
1004	2#8, #8G	2"	POLE BASE 4	POLE BASE 5	215		
1005	2#8, #8G	2"	POLE BASE 5	POLE BASE 6	166		
1006	2#8, #8G	2"	POLE BASE 6	POLE BASE 7	220		
1007	2#8, #8G	2"	POLE BASE 7	POLE BASE 8	200		
1008	2#8, #8G	2"	POLE BASE 8	POLE BASE 9	330		
1009	2#8, #8G	2	POLE BASE 9	CONTROLLER ENCLOSURE	35		
1010	2#8, #8G	2"	CONTROLLER ENCLOSURE	POLE BASE 10	115		
1011	2#8, #8G	2	POLE BASE 10	POLE BASE 11	200		
1012	2#8, #8G	2	POLE BASE 11	POLE BASE 12	230		

- 1. DISTANCES INDICATED REFLECT APPROXIMATE DISTANCE FROM POLE BASE TO POLE BASE. WIRING FROM POLE BASE TO FIXTURE IS NOT INCLUDED IN THIS TABLE.
- 2. CONDUIT IS EXISTING UNLESS OTHERWISE NOTED ON SHEET E1. ALL WIRE AND CABLE SHALL BE FURNISHED UNDER THIS CONTRACT.
 REFER TO CIVIL DRAWINGS C1, C2 & C3 FOR LOCATIONS OF POLE BASES AND EXISTING CONDUIT.

BIRKHOFF, HENDRICKS & CONWAY, L.L.P.

CONSULTING ENGINEERS 11910 Greenville Ave., Suite 600 Dallas, Texas (214) 361-7900



THESE DOCUMENTS ARE FOR CONSTRUCTION ATE: 1.7-09 ACCREARY & ASSOCIATES, INC. Consulting Engineers
Dallas, Texas FIRM No. F-338

CITY OF ROCKWALL, TEXAS **FANNIN STREET** ELECTRICAL ONE LINE DIAGRAM & SCHEMATICS

GENERAL NOTES

THAN TURN ON.

ALUMINUM CONTROL ENCLOSURE SPECIFICATIONS AS FOLLOWS:
 UL508A LABEL, SERVICE ENTRANCE CERTIFIED.
 ALUMINUM NEMA 3R FREE STANDING, UL LISTED.

PHOTO CELL MOUNTED INSIDE CONTROL CABINET.

 PROVIDE TWO POLE, 650 VOLT LIGHTNING ARRESTOR.
 PANEL BY ELECTROL SYSTEMS, INC., SAN ANTONIO OR APPROVED EQUAL. 2. THE CONTRACTOR SHALL MOVE AND/OR ADJUST OR SHIELD THE PHOTOCELL FROM STRAY OR AMBIENT NICHTIME LIGHT OR SHALL MAKE ANY OTHER ADJUSTMENTS

REQUIRED FOR PROPER OPERATION. UNLESS OTHERWISE SHOWN ON THE PLANS,

THE PHOTOCELL SHALL TURN ON THE ILLUMINATION SYSTEM AT 1.0 \pm 0.5 FOOTCANDLE AND TURN OFF THE ILLUMINATION SYSTEM AT TWO FOOTCANDLES HIGHER

2008-116

SHEET NO.

E2

April, 2009

BHC

PROJECT NO.

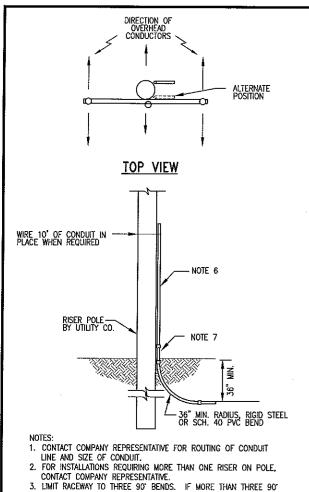
REVISED: 4/7/09 - RICHARD BRADY

PLOT SCALE: 1:1

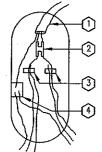
PLOTTED BY: RICHARD BRADY ON 4/7/2009

Y:\18.070\Dwg\E02 One Line & Schematics.dwg

PLOT STYLE: ----



- BENDS ARE REQUIRED, CONTACT COMPANY REPRESENTATIVE. 4. LIMIT DISTANCE BETWEEN 90' BENDS TO FIVE FEET WHEREVER
- 5. ALL HORIZONTAL AND VERTICAL BENDS TO BE LONG RADIUS. 6. EXTEND BEND WITH 10 FEET OF RIGID STEEL OR SCHEDULE 80 PVC CONDUIT FOR ALIGNMENT OF BEND.
- 7. INSTALL NIPPLE WHEN REQUIRED TO EXTEND BEND MIN. 8" ABOVE
- 01 TERMINATION OF SECONDARY CONDUIT AT RISER POLE



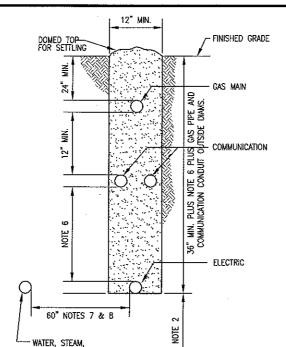
(XX) NOTES

SO CABLE-3C#12 BUSSMAN DOUBLE POLE FUSE HOLDER "HEY" SERIES

3 SPLIT BOLT-BURNDY TYPE KS23 & SC2 SERVIT

4. POLE GROUND LUG

05 POLE HANDHOLE DETAIL NOT TO SCALE



1. TRENCH ALIGNMENT SHALL BE AS STRAIGHT AS CONDITIONS PERMIT. ANY DEVIATIONS FROM PLANNED

ALIGNMENT SHALL HAVE PRIOR APPROVAL BY THE PROJECT ENGINEER/INSPECTOR. ALL TRENCH CUTS SHALL BE IN ACCORDANCE WITH EXISTING SAFETY REGULATIONS IN EFFECT.

2. TRENCH BOTTOM SHALL BE UNDISTURBED, TAMPED OR RELATIVELY SMOOTH EARTH. WHERE EXCAVATION IS

IN ROCK, THE CONDUIT SHALL BE LAID ON A LAYER OF CLEAN BACKFILL.

3. ALL BACKFILL SHOULD BE FREE OF DEBRIS OR OTHER MATERIAL THAT MAY DAMAGE THE CONDUIT SYSTEM

OR CAUSE SETTLING. THE MATERIAL SHALL FILL THE VOIDS AROUND THE CONDUIT TO PREVENT HOT

BACKFILL SHALL BE ADEQUATELY COMPACTED. BACKFILL NOT UNDER PAVEMENT SHALL BE COMPACTED TO THE DENSITY OF THE SURROUNDING UNDISTURBED SOIL. BACKFILL UNDER PAVEMENT SHALL BE COMPACTED TO NOT LESS THAN 95% OF THE DENSITY OF UNDISTURBED SOIL AS DETERMINED BY ASTM.

5. EACH CONDUIT RUN SHALL BE CHECKED BY PULLING A MANDREL THROUGH THE ENTIRE LENGTH. A 1/8"

NYLON PULLING CORD SHALL BE LEFT IN EACH CONDUIT. CONDUIT SHALL BE PLUGGED AT BOTH ENDS.

6. SUPPLY AND COMMUNICATION CONDUIT SEPARATIONS:

CONDUIT SYSTEMS TO BE OCCUPIED BY COMMUNICATIONS CONDUCTORS SHALL BE SEPARATED FROM

7. VERTICAL CROSSING CLEARANCE FROM OTHER UTILITIES SHALL BE 12 INCHES. A 60 INCH LATERAL SEPARATION OF PARALLELING FOREIGN UTILITIES (EXCLUDING COMMUNICATIONS) SHALL BE REQUIRED. AN EXCEPTION WOULD BE TO ALLOW TELEPHONE AND/OR CATV IN THE SAME DITCH AS COMPANY CONDUIT

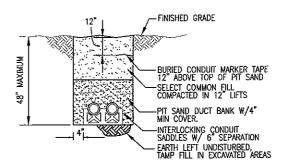
8. IT IS UNDSERSTOOD THAT ONLY 12 INCH SEPARATION IS REQUIRED ON PUBLIC RIGHTS-OF-WAY. PERSONNEL INVOLVED IN EXCATATION ON PUBLIC RIGHTS-OF-WAY ARE FULLY AWARE OF THE HAZARDS INVOLVED. HOWEVER, EXCAVATION ON PRIVATE PROPERTY CAN BE DONE BY INDIVIDUALS WHO ARE NOT

INVOLVED. FIGURE STANSION OF FIVE HAZARDS. THEREFORE, THE 60 INCH LATERAL SEPARATION IS REQUIRED TO HELP PREVENT INJURY TO PERSONNEL DOING EXCAVATION ON PRIVATE PROPERTY.

SYSTEM PROVIDING THEIR CIRCUIT IS INSTALLED IN CONDUIT AND MEETS OR EXCEEDS NESC REQUIREMENTS

GROUND SYMBOL AND WORDS CAST GROUND FINISHED CONCRETE CASE W/CAST GRADE IRON COVER ~ BROOKS PRODUCTS #3-RT. GRAVEL FILL CONTINUOUS TIN PLATED BARE UNDISTURBED SITE COPPPER GROUND CABLE. SIZE AS INDICATED ON PLANS 3/4" DIA X 10 COPPER CLAD GROUND ROD

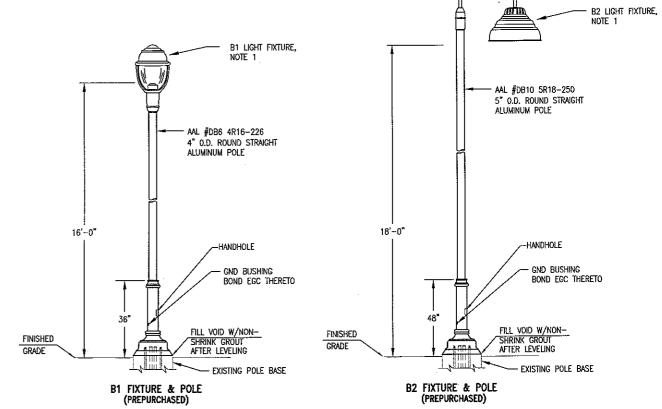
GROUND ROD & WELL



- 1. NUMBER AND SIZE OF CONDUITS SHALL BE AS SHOWN ON THE PLANS.
- TOP OF PIT SAND ENCASEMENT SHALL BE A MINIMUM OF 24" FROM FINISHED GRADE.
- 3. USE THIS DETAIL FOR OTHER THAN VEHICULAR

NOT TO SCALE UNDERGROUND DUCTBANK

04 DETAIL - PIT SAND ENCASED



1. REFERENCE TABLE THIS SHEET FOR LIGHT FIXTURE DATA.

2. THE POLES, FIXTURES AND LAMPS WILL BE PROMDED BY THE OWNER AND INSTALLED BY

05 LIGHTING FIXTURE AND POLE INSTALLATION

This record drawing is a compilation of the sealed gineering drawing for this project; modified by adder-ings orders and information furnished by the control nge oreass and information numerical by the contractor, in the record drawings that was ded by the contractor or others not associated with the design engineer cannot be verified for occuracy or teness. This original sealed drawings are on file offices of Birkhoff, Hendricks & Conway, LLP. BY _P.A.C. DATE 10/09/09

AAL #SLA-4 SHEPHERD'S

(MODIFIED TO ACCEPT 5" DIAMETER POLE)

CROOK ARM

02 TRENCH REQUIREMENTS

EXCEPTION: LESSER SEPARATIONS MAY BE USED WHERE THE PARTIES CONCUR.

CONDUIT SYSTEMS TO BE USED FOR SUPPLY SYSTEMS BY:

12 INCHES OF WELL COMPACTED EARTH

A. 3 INCHES OF CONCRETE

FOR CONDUIT SEPARATION.

4 INCHES OF MASONRY

GAS OR SEWER

Symbol Qty Volt Tag Arr. Lamp Lumens LLF Mfg. Description 11 | 480 | B1 | SINGLE | 150W MH | 12500 | 0.72 | AAL | PRMSH2150PMHCHMDB | POLES 1 THROUGH 11 480 B2 SINGLE 250W MH 20500 0.82 AAL PRM2H5250PMHDB POLE 12

- 1. PHOTOMETRIC DATA USED IS BASED ON ESTABLISHED IES PROCEDURES AND PUBLISHED LAMP RATINGS. 2. THE LIGHT LOSS FACTOR (LLF) IS BASED ON LAMP MANUFACTURER'S PUBLISHED MEAN LUMEN RATINGS.
- 3. FIELD PERFORMANCE WILL DEPEND ON ACTUAL LAMP, BALLAST, ELECTRICAL AND SITE CHARACTERISTICS.
- 4. SAME AS A1 EXCEPT WITH THE OPTIONAL BPS -- FIXTURE STRUTS FINISHED IN A BRASS COLORED POWDER.

BIRKHOFF, HENDRICKS & CONWAY, L.L.P.

CONSULTING ENGINEERS 11910 Greenville Ave., Suite 600 Dallas, Texas (214) 361-7900





CITY OF ROCKWALL, TEXAS **FANNIN STREET** ELECTRICAL **DETAILS SHEET I**

REVISED: 4/6/09 - RICHARD BRADY

Y:\18.070\Dwg\E03 Details Sheet I.dwg

PLOTTED BY: RICHARD BRADY ON 4/7/2009

BHC PROJECT NO. 2008-116

April, 2009

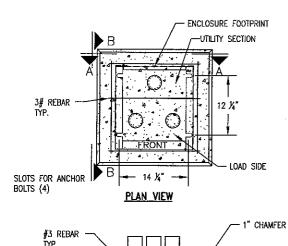
SHEET NO.

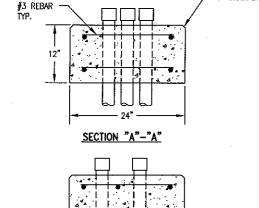
E3

PLOT SCALE: 1:1 PLOT STYLE: ----

HEY AC FOR #4 CONDUCTORS HEY AD FOR #2 CONDUCTORS EACH WITH 1AO512 HOLDER

PROVIDE 2-10A KTK-R FUSES FOR DUAL FIXTURES PROVIDE 2-5A KTK-R FUSES FOR SINGLE FIXTURES



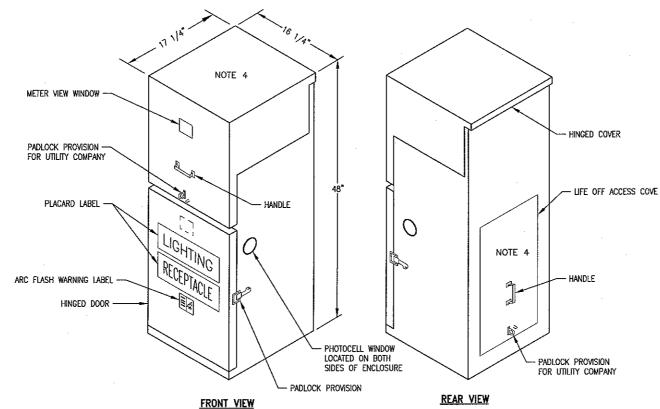


01 CONTROL ENCLOSURE PANEL PAD DETAIL

SECTION "B"-"B"

PANEL SD 240/480v,10-3W, MAIN				65A, 10KAIC @ 480V									
	OAD	COND.	WIRE	LOAD SERVED	BRKR	CKT	11	CKT	BRKR	LOAD SERVED	WIRE	COND.	LOAD
8.0	6 KVA	2"	NOTE 1	STREET LIGHTS CIRCUIT 1	30/2	1		2	30/2	STREET LIGHTS CIRCUIT 2	NOTE 1	2*	8.6 KVA
0.	5 KVA		12	CPT	NOTE 2			М	70/2	MAIN	NOTE 1	2*	~~~~

1. REFER TO PLANS FOR WIRE SIZES.



1. CABINET INTERIOR WITH DOOR REMOVED, DEAD FRONT CONSTRUCTION.

2. CIRCUIT BREAKERS AND FUSES — REFER TO SCHEMATIC.

3. UL LISTED ASSEMBLY. REFER TO GENERAL NOTE 1 SHEET

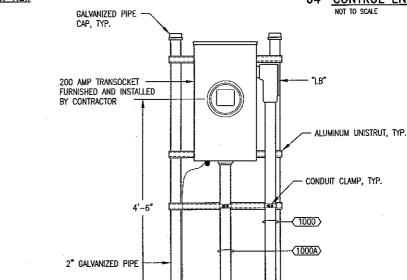
03 CONTROL ENCLOSURE PANEL SD

E3 FOR SPECIFICATIONS.

4. FOR UTILITY COMPANY ACCESS ONLY.

NEMA 4X ALUMINUM ENCLOSURE-PROVIDE ELECTROL SYSTEMS TXDOT TYPE SPECIAL A-PS TY SPL A(120/240/480) 100(NS)AL(E)PS(U) PHOTOELECTRIC RECEPTACLE -CIRCUIT BREAKER RACK BRACKET ASSEMBLY MOUNTED ON BOTH SIDES OF ENCLOSURE MOUNTED ON RISER HAND-OFF-AUTO SELECTOR SWITCH BRACKET ASSEMBLY MOUNTED ON PHOTOCELL CAN BE PLACED ON EITHER SIDE OF ENCLOSURE DOOR FRAME FIELD TERMINALS LIGHTNING ARRESTOR --DELTA MODEL: LA 602 FOR PHOTOCELL RECEPTACLE -1000VA CONTROL POWER TRANSFOMER LIGHTING DISTRIBUTION LIGHTING CONTACTOR BLOCK MECHANICALLY LATCHED 100 AMPS POWER TRANSFORMER FUSE BLOCK -1207 RECEPTACLE TERMINAL BLOCK GROUND BAR INTERIOR VIEW

04 CONTROL ENCLOSURE PANEL SD



05 METERING EQUIPMENT STAND BY P.A.C. DATE 10/09/09

- 40"L x 24"W x 3½"D CONCRETE PAD

#3 REBAR

CONTROL ENCLOSURE SCHEDULE

REFER TO POLE HANDHOLE DETAIL 02/E6 FOR FUSE SIZES,

BIRKHOFF, HENDRICKS & CONWAY, L.L.P.

CONSULTING ENGINEERS 11910 Greenville Ave., Suite 600 Dallas, Texas (214) 361-7900



CITY OF ROCKWALL, TEXAS **FANNIN STREET** ELECTRICAL DETAILS SHEET II

24.MIN

BHC PROJECT NO. 2008-116

> E4 April, 2009

SHEET NO.

REVISED: 4/6/09 - RICHARD BRADY

PLOT SCALE: 1:1

PLOTTED BY: RICHARD BRADY ON 4/7/2009

Y:\18.070\Dwg\E04 Details Sheet II.dwg

PLOT STYLE: ----

REF. DET. 03/E3

#2G TO CONTROL

ENCLOSURE