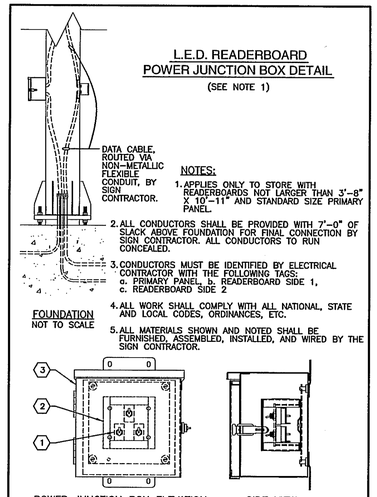
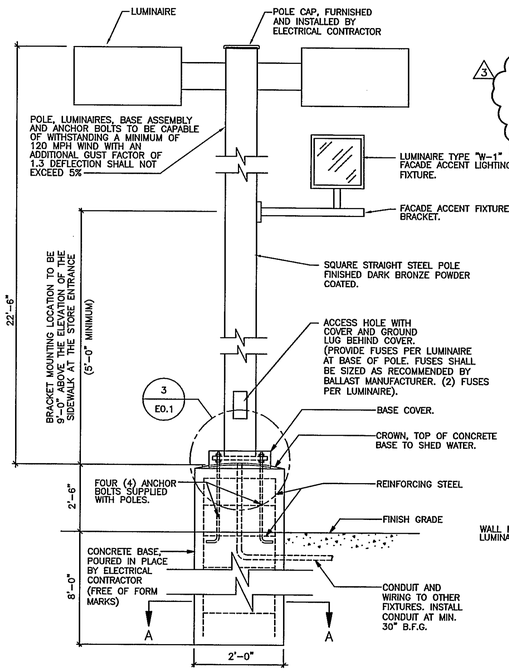
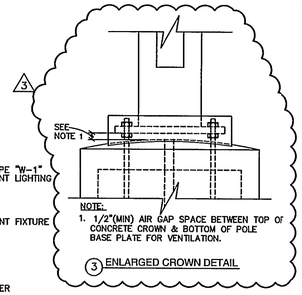
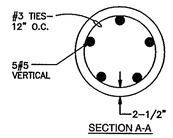


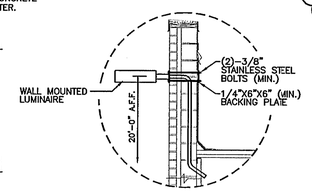


LIGHTING STANDARD ELEVATION

1 NO SCALE

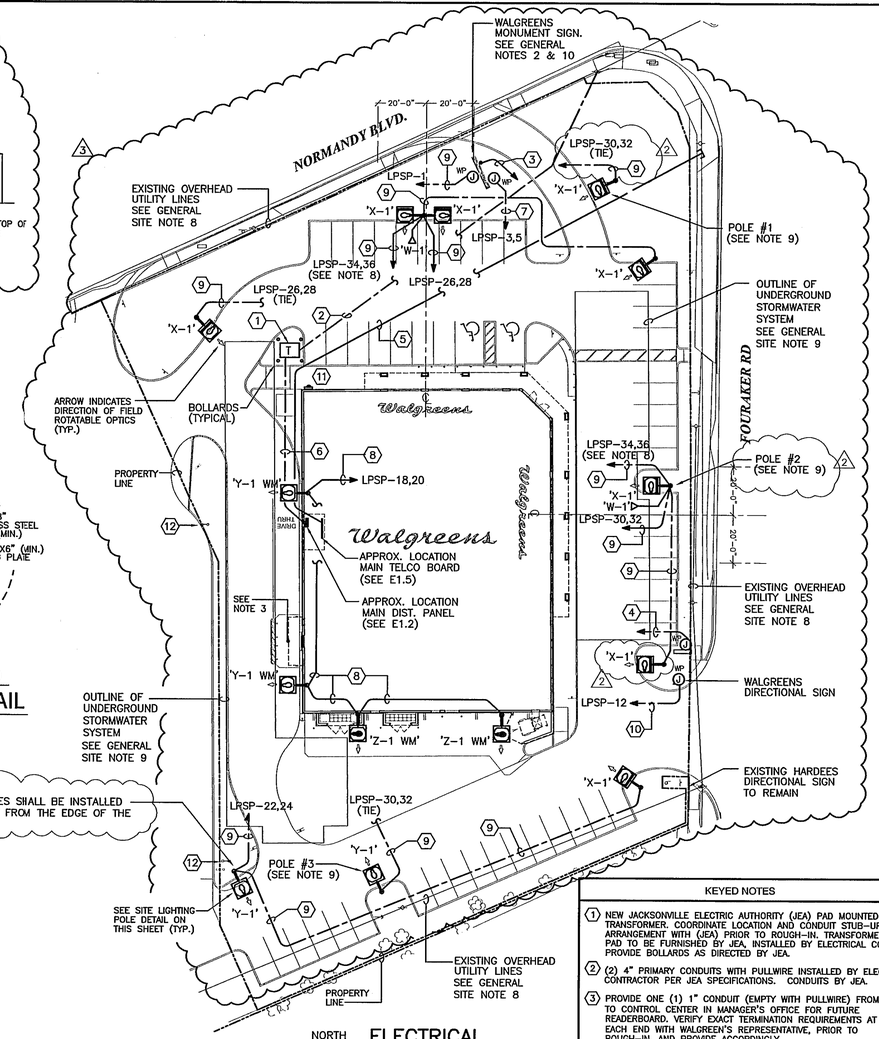






WALL MOUNTED LUMINAIRE DETAIL

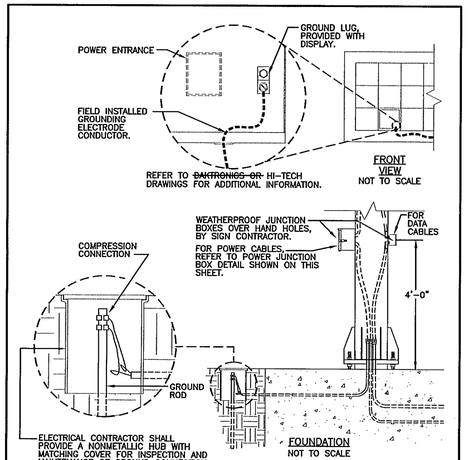
NO SCALE



NORTH

ELECTRICAL SITE PLAN

SCALE: 1"=30'-0"



2 GROUNDING DETAIL FOR LED READERBOARD

NO SCALE

NOTES:

A. GROUND ROD SHALL BE COPPER, MINIMUM SIZE 5/8" X 8'-0" IN LENGTH-BY ELECTRICAL CONTRACTOR.

B. GROUNDING ELECTRODE CONDUCTOR SIZE SHALL NOT BE LESS THAN #8 AWG. IT SHALL BE ATTACHED TO GROUND ROD WITH COMPRESSION TYPE CONNECTOR.

C. GROUNDING ELECTRODE CONDUCTOR SHALL BE RUN INSIDE SIGN COLUMN OR POLE (SEE DETAIL), AND TERMINATED TO THE GROUND LUG ON REAR OF DISPLAY. SEPARATE GROUNDING ELECTRODE CONDUCTOR SHALL BE PROVIDED FOR THE SECOND DISPLAY. BOTH DISPLAYS SHALL SHARE THE SAME ROD(S). FOR EXISTING INSTALLATIONS, GROUNDING ELECTRODE CONDUCTOR COULD BE RUN ENCLOSED IN A CONDUIT ALONG THE SIGN COLUMN.

D. GROUND ELECTRODE SHALL HAVE AN IMPEDANCE OF 10 OHMS OR LESS TO GROUND. MORE THAN ONE GROUND ELECTRODE MAY BE REQUIRED TO ACHIEVE THIS.

E. ALL MATERIALS AND INSTALLATION SHALL BE FURNISHED BY ELECTRICAL CONTRACTOR UNLESS NOTED OTHERWISE.

F. INSTALLATION SHALL SATISFY NEC AND LOCAL CODE REQUIREMENTS.

PRIMARY PANEL ELECTRICAL DATA

	LAMPS	BALLAST	AMPS	V.A.	CIRCUITS	PANEL, CIRCUIT#
PRIMARY PANEL(S)	(8) F120T12 CWHO	(2) ASB-2040-24-BL (ADVANCE)	8.8	1056	(1)-20AMP, 120V	LPSP, CKT # 1

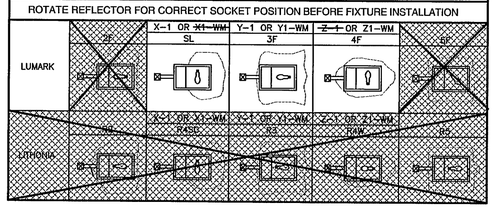
LED READERBOARD PANEL ELECTRICAL DATA

	VENDORS	OPTIONS	DESCRIPTION	VA (PER FACE) MAXIMUM/TYPICAL ~~(SEE NOTE BELOW) *~~	CIRCUITS	PANEL, CIRCUIT#
LED SOLID RED (THERE ARE TWO(2) FACES ON TYPICAL READER-BOARD)(S)	HI-TECH	#1	3'-8" X 10-11"	1900 / 600	(2)-20 AMP, 120V (PER SIGN)	LPSP, CKT # 3 & 5 ~~#11 & 13~~
		~~#2~~	~~2'-8" X 8'-8"~~	~~1150 / 350~~	~~(2) 20 AMP, 120V (PER SIGN)~~	~~LPSP, CKT # 3 & 5~~
		~~#3~~	~~5'-0" X 15'-4 1/2"~~	~~4300~~	~~(2) 2/0 30AMP, 208V (PER SIGN)~~	~~LPSP, CKT # 3/5 & CKT # 9/11~~
		~~#4~~	~~2'-6" X 5'-9" BLADE SIGN~~	~~750 / 250~~	~~(1) 20 AMP, 120V (PER SIGN)~~	~~LPSP, CKT # 3~~

NOTES: ~~* MAXIMUM VALUE REPRESENTS AN UNLIKELY EVENT WHEN ALL THE PIXELS ARE ON AT THE SAME TIME.~~

REFLECTOR ORIENTATION LEGEND

ROTATE REFLECTOR FOR CORRECT SOCKET POSITION BEFORE FIXTURE INSTALLATION



DURING INSTALLATION OF SITE LIGHTING LUMINAIRES, REFER TO DRAWING E0.1A FOR CORRECT REFLECTOR ORIENTATION AND INSTALLATION INSTRUCTIONS.

NOTES

1. ALL WORK SHOWN SHALL COMPLY WITH ALL NATIONAL, STATE AND LOCAL CODES, ORDINANCES, ETC.
2. FOR WALGREENS STANDARD PYLON SIGN, PROVIDE (1) 20A, 120V CIRCUIT FROM PANEL "LP-SP" TO PYLON SIGN FOR PRIMARY PANEL (16'-8" X 5'-4"). REFER TO PRIMARY PANEL ELECTRICAL DATA, SHOWN ON THIS DRAWING.
   LED READERBOARD POWER REQUIREMENTS SHALL BE BASED ON LED READERBOARD PANEL ELECTRICAL DATA, SHOWN ON THIS DRAWING. PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH LED READERBOARD BRANCH CIRCUIT. LED READERBOARD BRANCH CIRCUIT CONDUCTOR SIZES SHALL BE SHOWN ON THIS DRAWING.
3. FURNSH AND INSTALL THE DRIVE ALARM SENSOR, WITH CABLE ROUTED BACK TO THE CONTROL PANEL, WHICH IS MOUNTED ON THE INTERIOR WALL OF THE DRIVE-THRU WINDOW UNIT. SEE DRAWING E1.2 FOR ELECTRICAL REQUIREMENTS.
4. SEE .LUMINAIRE SCHEDULE ON DRAWING E4.1 FOR LUMINAIRE INFORMATION.
5. THE SITE LIGHTING IS BASED ON:
   ☒ LUMARK
   ☐ ~~LITHONIA~~
6. PROVDE CROWN ON TOP OF CONCRETE BASE TO COMPLETELY SHED WATER.
7. FACASE ACCENT FIXTURE BRACKET SHALL BE 3" SQUARE STRUCTURAL TUBING WELDED TO STEEL MOUNTING PLATE WITH 2" TENON AND FRICTION FIT STEEL END CAP. BRACKET MOUNTING HARDWARE SHALL INCLUDE (2) ½" -13 X 6¾" STAINLESS STEEL THRU- BOLTS, NUTS AND LOCKWASHERS. (UTILIZE **ONLY** WITH CANOPY ELEVATIONS, NOT AWNING).
8. THE POLE HOLDING THE "W-1" ~~OR THE "W-2"~~ FACADE ACCENT FIXTURE SHALL BE LOCATED AT THE PERIMETER OF THE SITE **WITHIN 20 FEET** OF THE CENTERLINE OF THE "WALGREENS" LOGO SCRIPT SIGN ON THE FACADE. (UTILIZE **ONLY** WITH CANOPY ELEVATIONS, NOT AWNING).
9. GROUP B, DRAWING E2.1A OF CONTROL SCHEDULE CONTROLS LIGHTS REQUIRED TO ILLUMINATE PATH OF TRAVEL FROM THE STORE ENTRANCE TO THE DESIGNATED EMPLOYEE PARKING SPACES.
   ACCORDING TO SPECIFIC LAYOUT SHOWN ON CRITERIA DRAWING E0.1, LIGHTS ON THREE POLES ARE INCLUDED IN GROUP B. SELECTION OF POLES IS BASED ON THE FOLLOWING LOGIC:
   POLE 1 – CLOSEST TO INTERSECTION
   POLE 2 – NEXT TO THE CLOSEST TO INTERSECTION ON STREET ~~WITH HIGHER TRAFFIC COUNT~~ (MAIN STREET)
   POLE 3 – TWO FOLLOWING OPTIONS ARE CONSIDERED FOR POLE LOCATION:
   OPTION 1–ALONG PROPERTY LINE IF PARKING STALLS ARE PRESENT AND NON-RESIDENTIAL
   ~~– OPTION 2–ALONG STREET WITH LOWER TRAFFIC COUNT.~~
   NOTE THAT THE SPECIFIC LIGHTING SCHEME OUTLINED ABOVE APPLIES ONLY TO THE PROTOTYPICAL SITE PLAN SHOWN HEREIN. FOR OTHER SITE LAYOUTS, PLEASE CONSULT WITH THE WALGREENS PROJECT ARCHITECT TO DETERMINE WHICH POLES SHALL BE PART OF GROUP B. IN THE CASE OF 24 HOUR STORES, POLES DESIGNATED TO BE PART OF GROUP B MUST STILL BE INCLUDED, SINCE THE 24 HOUR DESIGNATION MIGHT CHANGE.
10. PROVIDE TWO (2) 1" DIAMETER PVC CONDUITS TO PYLON SIGN(S) TO SEPARATE DATA CABLE AND POWER CIRCUITS. 2'-0" SEPARATION SHALL BE MAINTAINED BETWEEN POWER AND DATA CONDUITS. RUN DATA CONDUIT (WITH #12 WIRE FOR PULL STRING) TO OFFICE SPACE. SEE DRAWING E1.3 – ETHERNET SYSTEM, FOR EXACT LOCATION. ALL CONDUIT AND POWER SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. PYLON DATA CABLE FURNISHED AND INSTALLED BY WALGREEN CONTRACTOR.
11. THE SITE LIGHTING POLE SHALL BE USED WITH A WIND SPEED OF:
   ☐ ~~90 MPH AND BELOW~~
   ☒ 120 MPH AND BELOW
   ☐ ~~150 MPH AND BELOW~~

KEYED NOTES

1. NEW JACKSONVILLE ELECTRIC AUTHORITY (JEA) PAD MOUNTED TRANSFORMER. COORDINATE LOCATION AND CONDUIT STUB-UP ARRANGEMENT WITH (JEA) PRIOR TO ROUGH-IN. TRANSFORMER PAD TO BE FURNISHED BY JEA, INSTALLED BY ELECTRICAL CONTR. PROVIDE BOLLARDS AS DIRECTED BY JEA.
2. (2) 4" PRIMARY CONDUITS WITH PULLWIRE INSTALLED BY ELECTRICAL CONTRACTOR PER JEA SPECIFICATIONS. CONDUITS BY JEA.
3. PROVIDE ONE (1) 1" CONDUIT (EMPTY WITH PULLWIRE) FROM SIGN TO CONTROL CENTER IN MANAGER'S OFFICE FOR FUTURE READERBOARD. VERIFY EXACT TERMINATION REQUIREMENTS AT EACH END WITH WALGREEN'S REPRESENTATIVE, PRIOR TO ROUGH-IN, AND PROVIDE ACCORDINGLY.
4. 1" CONDUIT (WITH WIRE AS REQUIRED) AT 30" B.F.G. TO FACP FOR MONITORING OF BACKFLOW PREVENTOR (SEE E1.6).
5. (2) 3" PVC CONDUITS (EMPTY W/PULLWIRE) AT 30" B.F.G. FOR TELEPHONE SERVICE. TERMINATE AT PROPERTY LINE, CAP & MARK. COORDINATE EXACT LOCATION AND REQUIREMENTS IN THE FIELD WITH UTILITY COMPANY REPRESENTATIVE. MAINTAIN 1'-0" MINIMUM SEPARATION FROM POWER CONDUITS.
   CONTACT: ATT, LENNY MOREY, (904) 727-1540.
6. SECONDARY FEEDER, SEE POWER RISER DIAGRAM, SHEET E2.1.
7. 4#6, 1#6 E.G. IN 1-1/4" CONDUIT.
8. 2#8, 1#8 E.G. IN 1" CONDUIT.
9. 2#6, 1#6 E.G. IN 1-1/4" CONDUIT.
10. 2#4, 1#4 E.G. IN 1-1/4" CONDUIT.
11. C.T. METER MOUNTED ON BUILDING, SEE SHEET E2.1.
12. EXISTING HARDEES SITE LIGHTING FIXTURE LOCATED WITHIN WALGREENS PROPERTY LINE TO BE RELOCATED. COORDINATE WITH DEVELOPER AND GENERAL CONTRACTOR FOR RESPONSIBILITIES

GENERAL SITE NOTES

1. CONDUIT RUN BELOW GRADE SHALL BE PVC SCHEDULE 40 UNLESS OTHERWISE NOTED. ELBOWS AND RISERS SHALL BE GALVANIZED RIGID CONDUIT. REFER TO SPECIFICATIONS.
2. ALL SITE UNDERGROUND CONDUIT SHALL BE BURIED A MINIMUM OF 36 INCHES DEEP BELOW FINISHED GRADE UNLESS OTHERWISE NOTED.
3. PROVIDE COLOR TAPE AT 12 INCHES DEEP, ABOVE SERVICE CONDUIT RUNS FOR IDENTIFICATION, PER NEC 300-5(d).
4. ALL TURNS SHALL BE MADE WITH LONG SWEEP ELLS.
5. PROVIDE SPACERS IN ALL MULTI-CONDUIT RUNS.
6. ALL GALVANIZED RIGID CONDUIT BELOW GRADE SHALL BE COATED WITH AN APPROVED RUST INHIBITOR.
7. CONTRACTOR SHALL COORDINATE WITH UTILITY Co. REPRESENTATIVE AND COMPLY ACCORDINGLY.
   CONTACT: TOMMY CUNNINGHAM AT JACKSONVILLE ELECTRIC AUTH.
   PHONE No: (904) 665-7813
8. EXISTING OVERHEAD UTILITY LINES, MAINTAIN 10'-0" HORIZONTAL AND 8'-0" VERTICAL SEPARATION FROM JEA POWER LINES.
9. COORDINATE ROUTING OF ALL UNDERGROUND CONDUIT RUNS WITH GENERAL CONTRACTOR TO AVOID CONFLICTS WITH UNDERGROUND STORMWATER SYSTEM

FWH Architects
3336 Grand Blvd. Suite 102
Holiday, Florida 34690
Ph. 727. 815. 3336
Fax 727. 815. 3337
LIC.# AA 0003300

PROJECT TYPE

DRAWINGS/SPECIFICATIONS BY:
☐ WALGREENS' CONSULTANT
■ LANDLORD'S CONSULTANT

CONSTRUCTION WORK BY: (UNLESS NOTED OTHERWISE)
☐ WALGREENS' CONTRACTOR
■ LANDLORD'S CONTRACTOR (TURNKEY CONSTRUCTION)

STORE		BUILDING	
NEW.....	■	NEW.....	■
REMODELING...	☐	EXISTING.....	☐
RELOCATION...	☐	NEW SHELL ONLY	☐
OTHER.....	☐		

CHEHAYEB & ASSOCIATES, INC.
CONSULTING ENGINEERS
3702 AZEELE ST. (813) 876-1415
TAMPA, FL 33609 (fax) 876-0913
LIC. #49521 SOUHEIL CHEHAYEB CERT. #7340
09-97

NO.	DATE	DESCRIPTION
2	02.05.10	REVISED PER WGS FIRST REVIEW COMMENTS
3	04.05.10	REVISED PER WGS 2ND. REVIEW COMMENTS

REVISIONS

CERTIFICATION AND SEAL

I HEREBY CERTIFY THAT THIS PLAN AND SPECIFICATION HERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ARCHITECT OR ENGINEER UNDER THE LAWS OF THE STATE OF FLORIDA AS SIGNIFIED BY MY HAND AND SEAL.

PROJECT NAME

STORE #13450
SWC OF FOURAKER & NORMANDY
JACKSONVILLE, FLORIDA

DRAWING TITLE

SITE ELECTRICAL PLAN

DATE: 11.30.09	WALGREENS STORE NO. 13450	DRAWING NO.	
DRAWN BY: P.M.	SCALE: AS SHOWN	E0.1	
REVIEWED BY: S.C.	RELEASED TO CONSTRUCTION -	FWH PROJECT NO. 0913	