



Visual Concepts Lighting, Inc.
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tel: 858-278-4503

email: kperez@visualconcepts-inc.com

Owner:



20201 SW Birch Street
suite 100
Newport Beach, CA 92660
tel: 949-252-1122
email: rdorame@mastercraftresidential.com

Project:

GOLD FLORA
FARMS

19th street & North Indian Cyn. Dr.
Desert Hot springs, CA.

Consultants:

CIVIL
STRUCTURAL
MECHANICAL
PLUMBING
ELECTRICAL
LANDSCAPE
FIRE PROTECTION
SOILS ENGINEER

Visual Concepts Lighting
RGA Landscape Arch.

Title: TITLE SHEET

Project Number: MRC16/11291

Drawn by: K.P.SR.

Date: 12/20/13

Revision:

Sheet:

EL-1

19TH STREET

DESERT HOT SPRINGS, CALIFORNIA

ELECTRICAL CONSTRUCTION NOTES

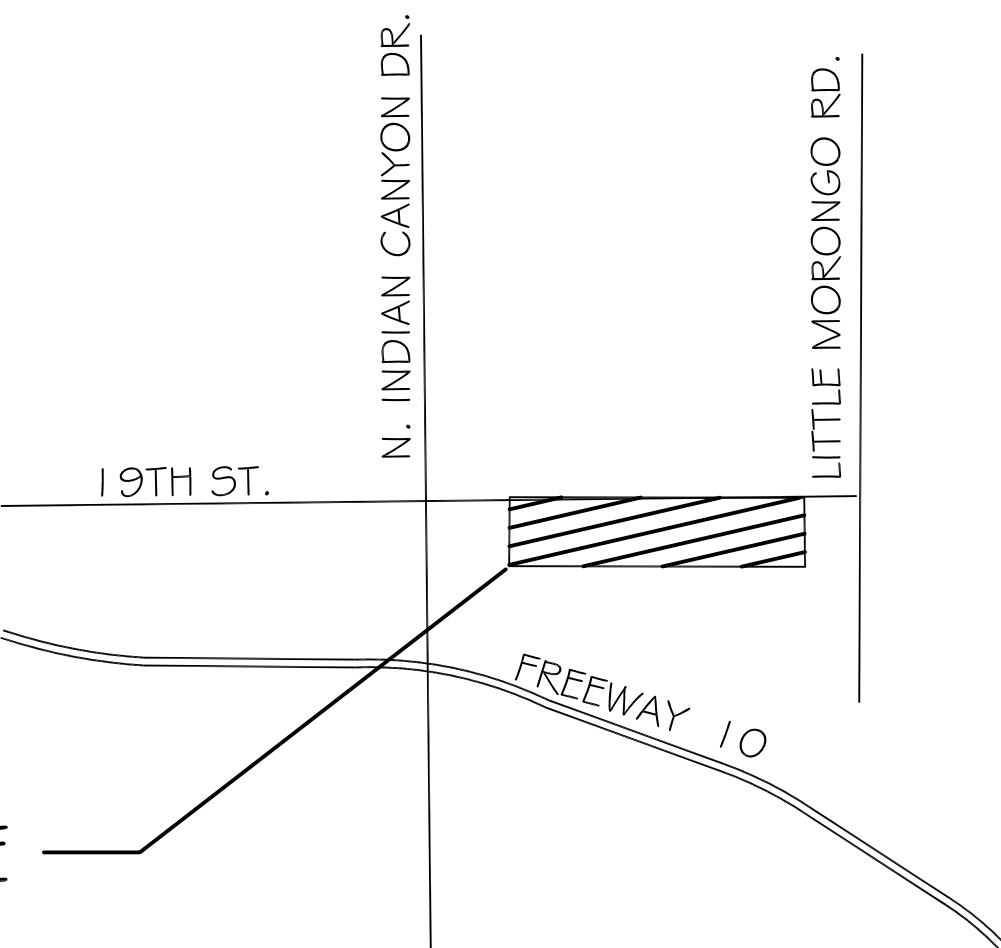
- THE GENERAL CONDITIONS AND SUPPLEMENTARY GENERAL CONDITIONS SHALL BE CONSIDERED AS PART OF THE SPECIFICATION.
- FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND TOOLS TO PERFORM ELECTRICAL WORK SHOWN, NOTED OR SCHEDULED FOR A COMPLETE AND FINISHED INSTALLATION.
 - ALL MATERIALS AND EQUIPMENT SHALL BE COMMERCIAL AND SHALL CARRY A U.L. LABEL.
 - MATERIALS, PRODUCTS AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW AND SUCH AS APPEAR ON THE UNDERWRITER'S LABORATORIES LIST OF APPROVED ITEMS AND SHALL MEET REQUIREMENTS OF ASTM, IEEE, 2013 NEC, NEMA, AND OTHER RECOGNIZED STANDARDS AND SHALL BE SIZED IN CONFORMITY WITH REQUIREMENTS OF THE NATIONAL ELECTRIC CODE AND OTHER APPLICABLE CODES, WHICHEVER ARE MORE STRINGENT.
- THE WORD "PROVIDE" AS USED HEREIN MEANS TO FURNISH AND INSTALL COMPLETE.
- ALL WORK TO BE IN ACCORDANCE WITH THE 2013 CEC (2013 NEC) AND ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES.
- SECURE AND PAY FOR ALL REQUIRED PERMITS AND INSPECTION CERTIFICATES.
- ABOVE GRADE CONDUIT SHALL BE STANDARD RIGID STEEL ACCORDING TO CODE REQUIREMENTS. CONDUIT SHALL BE CONCEALED IN FINISHED AREAS, EXCEPT AS OTHERWISE APPROVED BY ARCHITECT. RIGID CONNECTIONS SHALL BE COMPRESSION TYPE. UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 OR 60 PVC BURIED A MINIMUM OF 24".
- WIRE SHALL BE SINGLE CONDUCTOR COPPER WITH 600 VOLT INSULATION. ALUMINUM CONDUCTORS ARE NOT PERMITTED. #12 AND SMALLER SHALL BE SOLID. #10 AND LARGER SHALL BE STRANDED. MINIMUM WIRE SIZE SHALL BE #12. ALL WIRE AND CABLE SHALL BE NEW AND SHALL BE BROUGHT TO THE SITE IN UNBROKEN PACKAGES. ALL WIRING OF ANY TYPE SHALL BE IN CONDUIT.
 - GENERAL WIRING SHALL BE THWN OR THHN.
- ABOVE GRADE WIRE CONNECTORS SHALL BE BY "SCOTCHLOCK" OR EQUAL FOR #8 OR SMALLER AND T45 "LOCK-TITE" FOR #6 AND LARGER.
- THIS CONTRACTOR SHALL DO ALL CUTTING, CHASING OR CHANNELING AND PATCHING REQUIRED FOR ANY WORK UNDER THIS DIVISION. ANY CUTTING SHALL HAVE PRIOR APPROVAL OF THE OWNER.
- PROVIDE SAFETY AND DISCONNECT SWITCHES, SHALL BE FUSED OR NON-FUSED AS CALLED FOR ON DRAWINGS AND AS REQUIRED BY CODE. SWITCHES SHALL BE HEAVY DUTY, LOAD AND HORSEPOWER RATED AS MANUFACTURED BY SQUARE D, GENERAL ELECTRIC OR EQUAL.
- JUNCTION, PULL BOXES AND COVERS WITHIN BUILDING SHALL BE GALVANIZED STEEL, CODE GAUGE SIZE AND ACCESSIBLE.
- ELECTRICAL CONTRACTOR SHALL RECORD ALL FIELD CHANGES IN HIS WORK AS THE JOB PROGRESSES, AND UPON COMPLETION SHALL TURN OVER TO THE OWNER A "RECORD" SET OF PRINTS SHOWING THE CHANGES.
- ALL ELECTRIC WORK SHALL BE INSTALLED SO AS TO BE READILY ACCESSIBLE FOR OPERATING, SERVICING MAINTAINING AND REPAIRING. HANGERS SHALL INCLUDE ALL MISCELLANEOUS STEEL, SUCH AS CHANNELS, RODS, ETC., NECESSARY FOR THE INSTALLATION OF WORK AND SHALL BE FASTENED TO STEEL, CONCRETE OR MASONRY, BUT NOT TO PILING. ALL CONDUIT SHALL BE CONCEALED WHERE POSSIBLE. EXPOSED CONDUITS SHALL BE IN STRAIGHT LINES PARALLEL WITH OR AT RIGHT ANGLES TO COLUMN LINES OR BEAMS AND SEPARATED AT LEAST 3" FROM WATER LINES WHEREVER THEY RUN ALONGSIDE OR ACROSS SUCH LINES. CONDUCTORS SHALL BE ON CONDUIT, DUCTS, OR APPROVED RACEWAYS.
- ALL 90 DEGREE ELBOWS TO BE FACTORY MADE BENDS.
- PRIVATE LIGHTING SYSTEM SHALL NOT BE JOINT TRENCH WITH PUBLIC UTILITY SYSTEM.
- CONTRACTOR TO MAINTAIN PROPER SEPARATION AS REQUIRED BY THE UTILITY COMPANIES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR ANY AND ALL UTILITY AND CITY INSPECTIONS.
- ALL GROUND CONDUCTORS SHALL BE SPLICED TOGETHER WITH APPROVED CONNECTOR AT PULL BOXES AND CONNECTED TO GROUND LUG INSIDE POLE.
- SEE IMPROVEMENT PLANS FOR SITE, SEWER AND WATER (ETC.) IMPROVEMENTS PRIOR TO START OF CONSTRUCTION.
- CONTRACTOR SHALL CONTACT "DIG ALERT" FOR MARK-OUT PRIOR TO TRENCHING AS REQUIRED.
- THESE PLANS ARE SCHEMATIC AND ARE FOR THE PURPOSE OF SHOWING HOW TO CONNECT THE ELECTRICAL SYSTEM. WHILE THE DRAWING IS AT ACTUAL SCALE, THE SYMBOLS REFERENCED ARE NOT, AND MAY APPEAR TO SHOW THE EQUIPMENT IN PLACES NOT INTENDED. THE CONTRACTOR IS TO FIELD VERIFY ALL UTILITY COMPANY SERVICE POINTS/METER LOCATIONS, POLES, PULL BOXES BUILDING LIGHT LOCATIONS, SERVICE EQUIPMENT LOCATIONS AND OTHER ELECTRICAL APPURTENANCES PRIOR TO START OF CONSTRUCTION. ANY DISCREPANCIES ARE TO BE ADDRESSED TO THE CLIENT BY MEANS OF A "REQUEST FOR INFORMATION" (RFI). CONTRACTOR IS TO VERIFY ALL LIGHT LOCATIONS WITH THE CITY PRIOR TO START OF CONSTRUCTION AND DURING STAKING. REFER TO LIGHT STANDARD DETAIL FOR STANDARDS.
- CONTRACTOR SHALL CONTACT "DIG ALERT" FOR MARK-OUT PRIOR TO TRENCHING AS REQUIRED.
- PANEL CIRCUIT DIRECTORY TO COMPLY WITH SECTION 408.4, CEC.
- NATIVE SOIL SHALL BE ACCEPTABLE FOR TRENCH BACK FILL PROVIDED THAT THE FILL MATERIAL USED SHALL PASS THROUGH A 1" SIEVE (CITY STANDARDS). SEE DETAIL DEL-5.
- CONTRACTOR SHALL LABEL EACH CIRCUIT WITH PHENOLIC PLASTIC LABEL TAGS IN ANY DEVICE THAT HAS ACCESS. THIS SHALL INCLUDE LIGHT POLES, PULL BOXES, PANELS, AND ET CETERA. PANEL, CIRCUIT NUMBER AND VOLTAGE SHALL BE IDENTIFIED. TAGS SHALL BE AFFIXED WITH NYLON ZIP-TIES.

SPECIFICATIONS

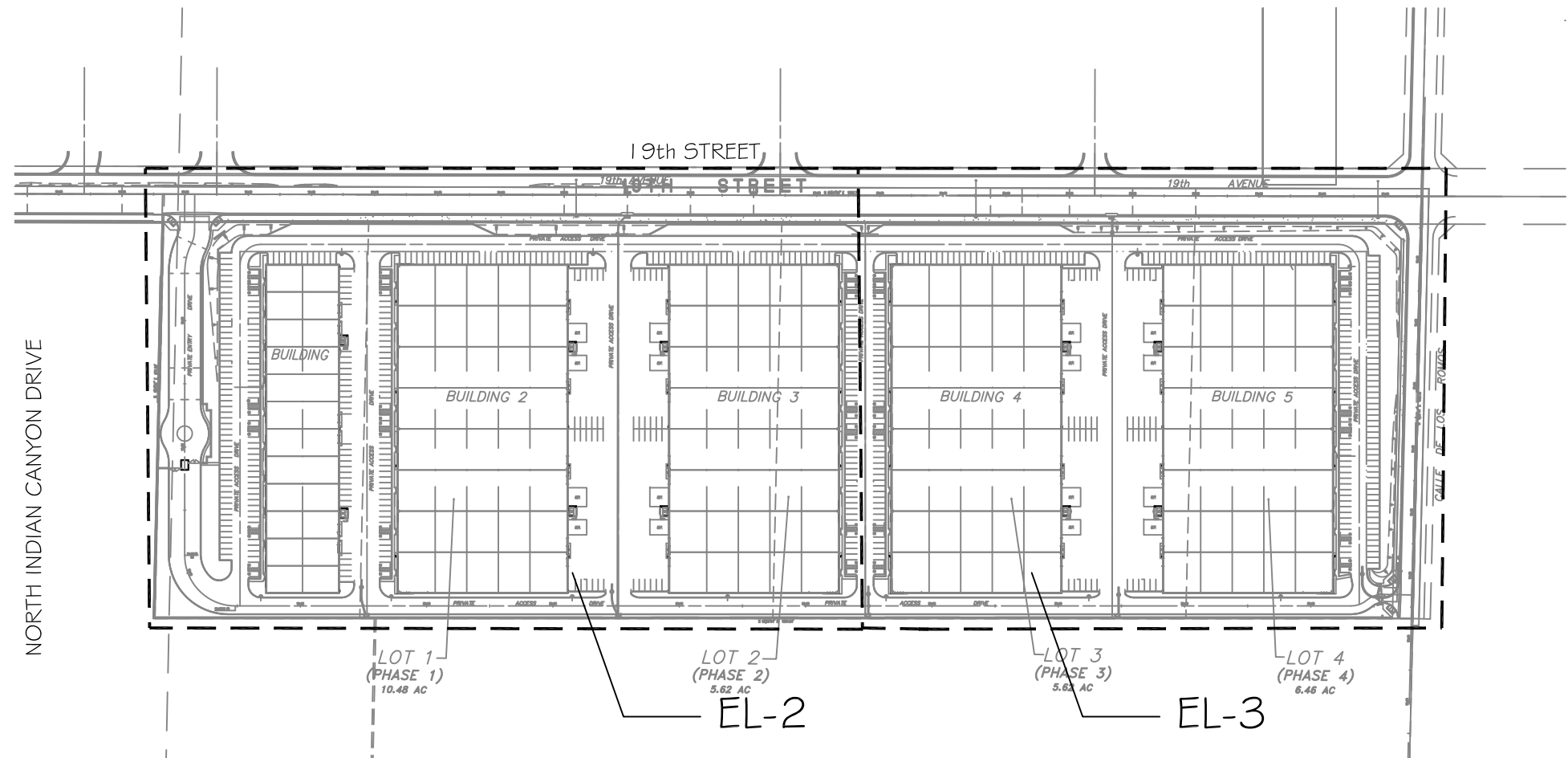
- BELOW GRADE COMPOSITE PULL BOXES TO BE "OLDCASTLE" MODEL FL12T (OR EQUAL) WITH BOLT DOWN COVER MARKED "ELECTRICAL". LEAVE 2" SLACK OF CONDUCTORS IN PULLBOX. SIZE PER SECTION 370-26, CEC. SEE DETAIL BEL-5.
- ALL CONDUIT BELOW GRADE TO BE MINIMUM 3/4" SCHEDULE 40 PVC, UNLESS OTHERWISE NOTED.
- ALL CONDUIT EXPOSED ABOVE GRADE TO BE MINIMUM 1/2" EMT.
- ALL SPLICES BELOW GRADE SHALL BE MADE IN APPROVED PULL BOXES AND SHALL BE WATERTIGHT. USE ONLY EPOXY ENCAPSULATED TYPE 3M BAGS OR EQUAL.
- ALL BELOW GRADE CONDUIT SHALL BE SEALED UPON COMPLETION OF INSTALLATION.
- ALL ELECTRICIANS TO HAVE PROOF OF CALIFORNIA ELECTRICIANS CERTIFICATE/CREDENTIALS.
- ALL ABOVE GRADE JUNCTION BOXES TO BE WEATHER-PROOF. SIZE PER SECTION 370-26, CEC.

LEGEND

- BELOW GRADE ELECTRICAL CONDUIT AND WIRE RUN. SEE PLANS FOR TYPE AND # OF WIRES.
- COMPOSITE UNDERGROUND PULLBOX. SEE SPEC. 1 AND DETAIL DEL-5.
- A-1 CIRCUIT DESIGNATION. 1ST # INDICATES PANEL. REMAINING #S INDICATE CIRCUIT POSITIONS.
- ELECTRICAL PANEL. SEE DETAIL DEL-5
- TYPE 'A' SITE LIGHT. SEE LUMINAIRE SCHEDULE AND DETAIL AEL-5
- TYPE 'B' SITE LIGHT. SEE LUMINAIRE SCHEDULE AND DETAIL AEL-5
- ☼ TYPE 'C' WALL LIGHT. SEE LUMINAIRE SCHEDULE AND DETAIL BEL-5
- ☼ TYPE 'D' WALL LIGHT. SEE LUMINAIRE SCHEDULE AND DETAIL BEL-5
- ☼ TYPE 'E' WALL LIGHT. SEE LUMINAIRE SCHEDULE AND DETAIL BEL-5
- TYPE 'F' SIGN LIGHT. SEE LUMINAIRE SCHEDULE AND DETAIL DEL-5



VICINITY MAP N.T.S.



KEY MAP N.T.S.

NOTE TO CONTRACTOR

ANY CHANGE OR DEVIATION FROM THE LIGHTING SPECIFICATIONS ON PLAN SHALL BE REVIEWED BY ENGINEER OF RECORD PRIOR TO APPROVAL. ALL ASSOCIATED COSTS INCURRED FOR HAVING TO RE-RUN PHOTOMETRIC LIGHTING STUDIES, REVISE ELECTRICAL PLANS AND CIRCUITRY, REVISE ELECTRICAL PANEL SCHEDULES, REVISE LUMINAIRE SCHEDULES, RE-CALCULATE TITLE-24 MANDATORY MEASURES AND RESUBMIT TO THE CITY BUILDING DEPARTMENT SHALL BE PAID BACK TO THE ENGINEER OF RECORD BY THE CONTRACTOR OR ELECTRICAL DISTRIBUTOR.

LUMINAIRE SCHEDULE - 19th STREET															SPECIFIED BY: VISUAL CONCEPTS LIGHTING INC. PH: 858-278-4503				
	QTY	SYMBOL	FIXTURE					VOLTS					LAMPS		MOUNTING			DESCRIPTION	MFR # CATALOG NO.
			LUMENS	CBDF	KELVIN	FLOUR	INDUC	LED	LPS	MH	HPS	120	208	240	277	480	NO.		
A	15	□	14,893	303	4000												1	SITE LIGHT SEE DETAIL AEL-5	LITHONIA LIGHTING D-SERIES #DSXO-LED-40G-1000-40K-T2M-480V-SFA PER-SF-DDBXD POLE: LITHONIA #555-25-4C-DM19-DDB
B	1	■	15,976	402	4000												1	SITE LIGHT SEE DETAIL AEL-5	LITHONIA LIGHTING D-SERIES #DSXO-LED-40C-1000-40K-T5M-480V-SFA PER-SF-DDBXD POLE: LITHONIA #555-25-4G-DM19-DDB
C	37	☼	14,893	303	4000												1	WALL LIGHT SEE DETAIL BEL-5	LITHONIA LIGHTING D-SERIES #DSXO-LED-40C-1000-40K-T2M-MVOLT-WBA PER-SF-DDBXD
D	28	☼	14,987	203	4000												1	WALL LIGHT SEE DETAIL BEL-5	LITHONIA LIGHTING D-SERIES #DSXO-LED-40C-1000-40K-TFTM-MVOLT-WBA PER-SF-DDBXD
E	18	☼	11,129	102	4000												1	WALL LIGHT SEE DETAIL BEL-5	LITHONIA LIGHTING D-SERIES #DSXW2-LED-30C-1000-40K-T4M-MVOLT-DMG-DDBXD
F	1	■	2,000	NA	4000												1	MONUMENT LIGHT SEE DETAIL EEL-5	LITHONIA LIGHTING #DSXF1-LED-P1-40K-WFL-277-THK-SF-DDBXD

B. BUILDING LIGHTS SHOWN FOR LOCATION, SPECIFICATION AND T-24. SEE BUILDING ELECTRICAL PLANS FOR CIRCUITRY. CONTACT MARONEE RODENBERGER SDLA (858) 505-1055 FOR QUOTES ON ABOVE SPECIFIED FIXTURES.



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FARMS**

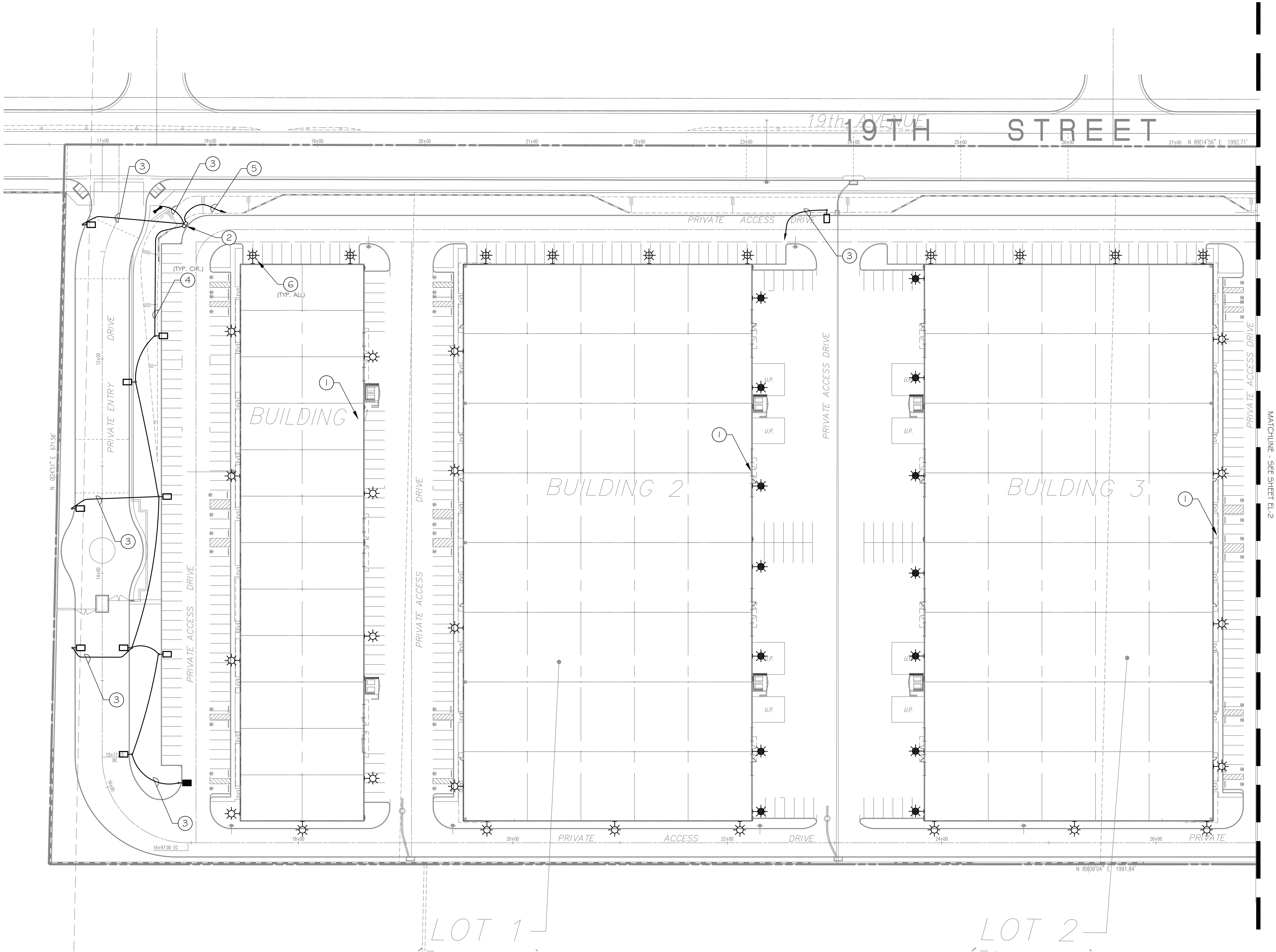
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STRUCTURAL
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ELECTRICAL Visual Concepts Lighting
LANDSCAPE RGA Landscape Arch.
FIRE PROTECTION
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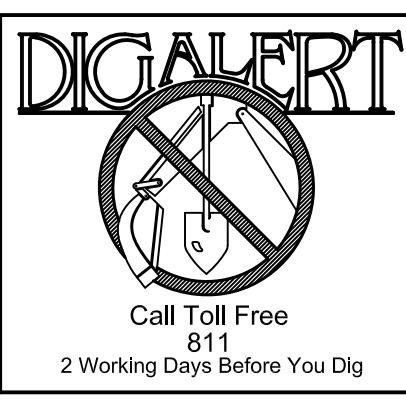
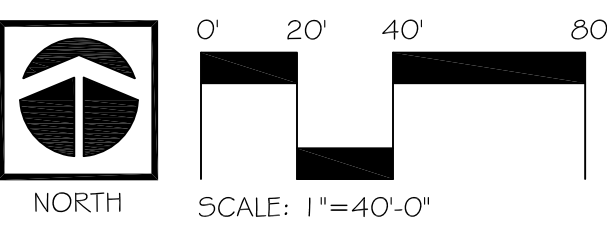
Title: LIGHTING PLAN 1

Project Number: MRC16/11291
Drawn by: K.P.SR.
Date: 12/20/13
Revision:

Sheet:
EL-2



- PLAN NOTES
- 1 ELECTRICAL PANEL. VERIFY EXACT LOCATION.
 - 2 UNDERGROUND PULLBOX. SEE SPEC. XX AND DETAIL XEL-X.
 - 3 1" C-2#10, 1#10 GND. BURY 30" BELOW GRADE.
 - 4 1" C-4#10, 1#10 GND. BURY 30" BELOW GRADE.
 - 5 1 1/2" C-6#10, 1#10 GND. BURY 30" BELOW GRADE.
 - 6 WALL MOUNTED LIGHTS SHOWN FOR PURPOSE OF PHOTOMETRIC STUDY AND TITLE-24, "AUTOMOTIVE HARDSCAPE". SEE BUILDING ELECTRICAL PLANS FOR CIRCUITRY.





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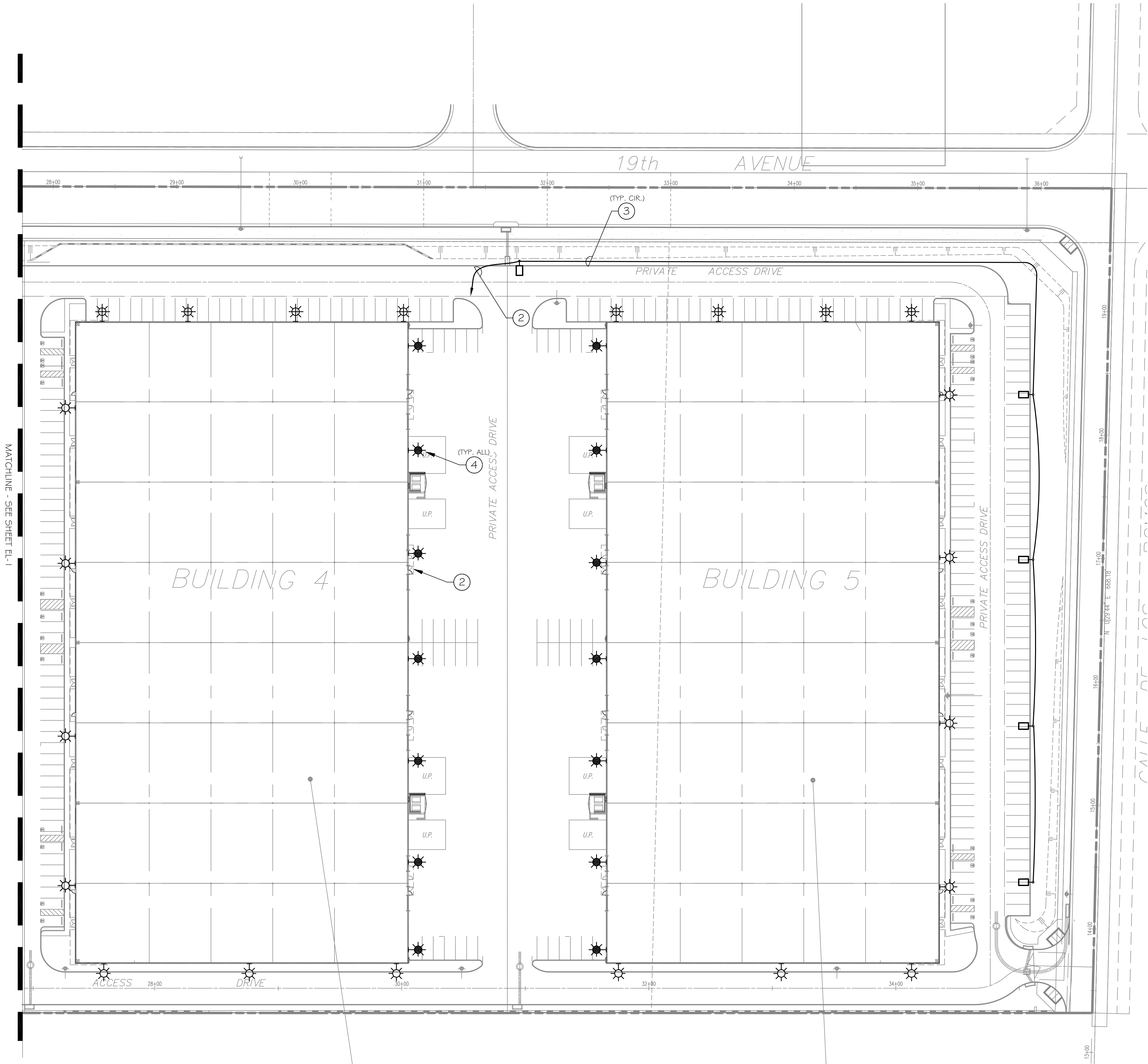
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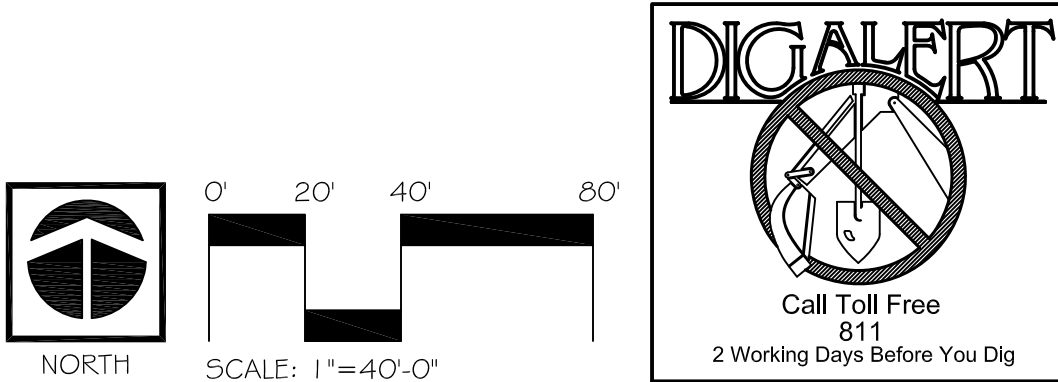
Title: LIGHTING PLAN 2

Project Number: MRC1611291
Drawn by: K.P.SR.
Date: 12/20/13
Revision:

Sheet:
EL-3



- PLAN NOTES
- 1 ELECTRICAL PANEL. VERIFY EXACT LOCATION.
 - 2 1 1/2" C-2#10, 1#10 GND. BURY 30" BELOW GRADE.
 - 3 1" C-2#10, 1#10 GND. BURY 30" BELOW GRADE.
 - 4 WALL MOUNTED LIGHTS SHOWN FOR PURPOSE OF PHOTOMETRIC STUDY AND TITLE-24, "AUTOMOTIVE HARDSCAPE". SEE BUILDING ELECTRICAL PLANS FOR CIRCUITRY.





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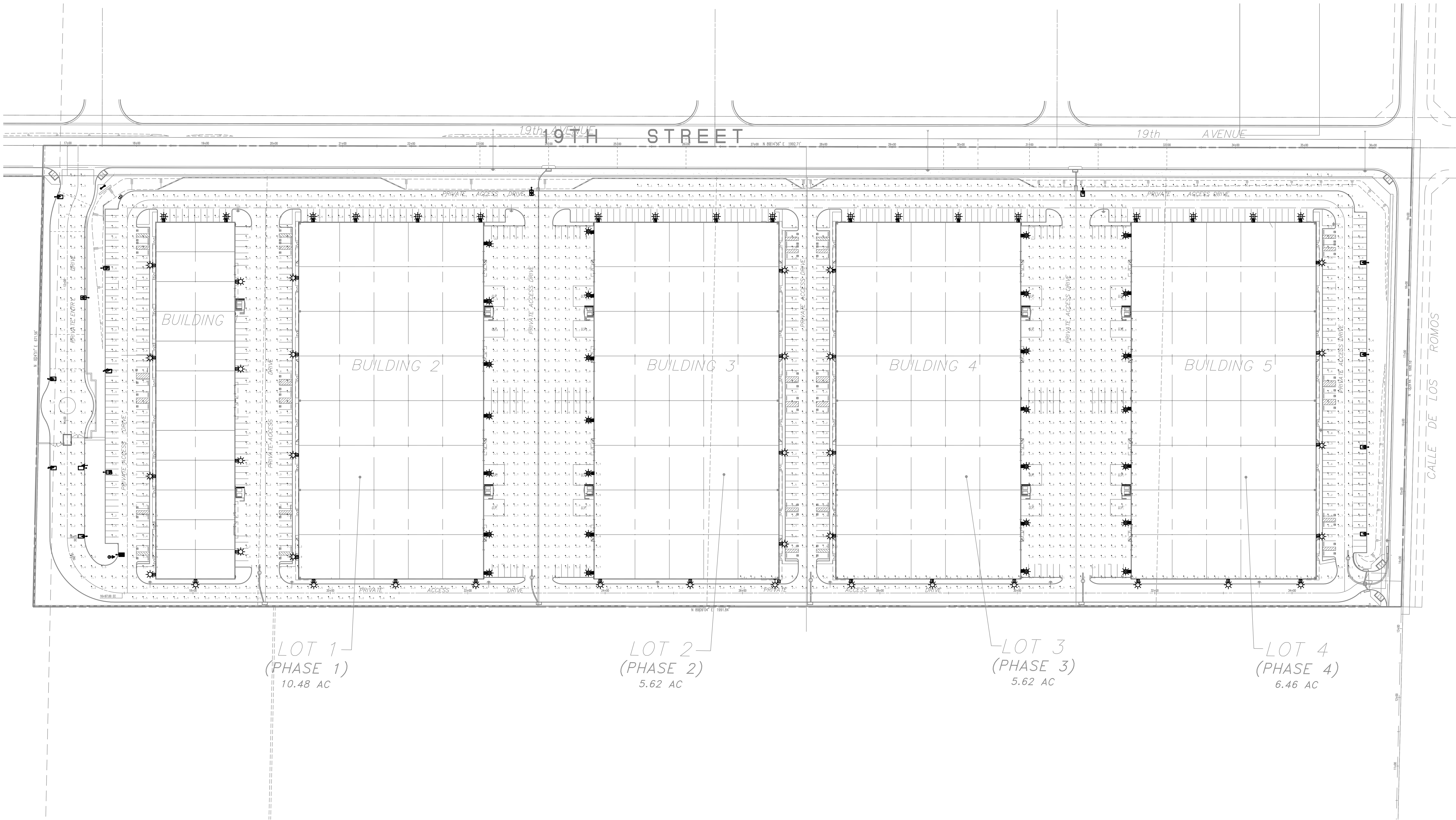
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SOILS ENGINEER
MDS
Visual Concepts Lighting
RGA Landscape Arch.

Title: PHOTOMETRIC STUDY

Project Number: MRC16/11291
Drawn by: K.P.SR.
Date: 12/20/13
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Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
CalcPts_1	Illuminance	Fc	1.85	4.4	1.0	1.85	4.40

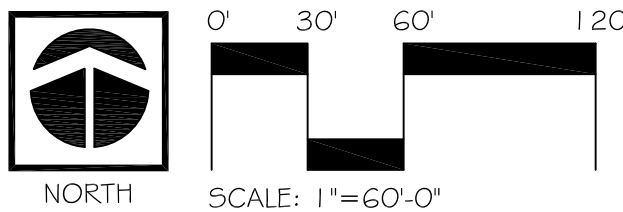
Luminaire Schedule

Symbol	Type	Qty	Label	Arrangement	LLF	Description	Lum. Watts	Arr. Watts	Total Watts
☼	C	37	DSX0 LED 40C 1000 40K T2M MVO	SINGLE	0.960	LITHONIA ECOFORM TYPE T2M WALL MOUNT	138	138	5106
☼	D	28	DSX0 LED 40C 1000 40K TFTM MV	SINGLE	0.960	LITHONIA ECOFORM TYPE TFTM WALL MOUNT	138	138	3864
☼	A	15	DSX0 LED 40C 1000 40K T2M MVO2	SINGLE	0.960	LITHONIA ECOFORM TYPE T2M 25' POLE	138	138	2070
☼	E	18	DSXW2 LED 30C 1000 40K T4M MV	SINGLE	0.960	LITHONIA ECOFORM TYPE T4M WALL MOUNT	109	109	1962
☼	B	1	DSX0 LED 40C 1000 40K T5M MVO	SINGLE	0.970	LITHONIA ECOFORM TYPE T5M 25' POLE	138	138	138

DESERT HOT SPRINGS MUNICIPAL CODE

CODE 17.16.260 LIGHTING:

- A. LIGHTING SHOULD BE USED TO PROVIDE ILLUMINATION FOR THE SECURITY AND SAFETY OF ON-SITE AREAS SUCH AS PARKING, LOADING, SHIPPING, AND RECEIVING, PATHWAYS, AND WORKING AREAS.
- B. THE DESIGN OF LIGHT FIXTURES AND THEIR STRUCTURAL SUPPORT SHALL BE ARCHITECTURALLY COMPATIBLE WITH MAIN BUILDINGS ON-SITE. ILLUMINATORS SHOULD BE INTEGRATED WITHIN THE ARCHITECTURAL DESIGN FOR THE BUILDINGS.
- C. AS A SECURITY DEVICE, LIGHTING SHOULD BE ADEQUATE BUT NOT OVERLY BRIGHT. ALL BUILDING ENTRANCES SHOULD BE WELL LIGHTED.
- D. ALL LIGHTING SHOULD BE SHIELDED TO CONFINE LIGHT SPREAD WITHIN THE SITE BOUNDARIES.
- E. ONE FOOT-CANDLE EVENLY DISTRIBUTED ACROSS A PARKING LOT IS THE REQUIRED MINIMUM. AT ENTRANCES, LOADING DOCKS AND OTHER LIMITED AREAS, UP TO 2 FOOT-CANDLES MAY BE APPROPRIATE. (PRIOR CODE § 159.08.050(12))



EL-4

email: kperez@visualconcepts-inc.com



BLACK STAR
FINANCIAL

GOLD FLORA
FARMS

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MDS
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Revision: _____

Sheet

EL-6

Declaration of Required Installation Certificates – Declare by checking all Installation Certificates that will be submitted. (Retain copies and verify forms are completed and signed.)	
<input checked="" type="checkbox"/> NRC-10-01-E - Must be submitted for all buildings	<input type="checkbox"/> Field Inspector
<input checked="" type="checkbox"/> NRC-10-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	<input type="checkbox"/> Field Inspector
Declaration of Required Certificates of Acceptance – Declare by checking all of the Certificates of Acceptance that will be submitted. (Retain copies and verify forms are completed and signed.)	
<input checked="" type="checkbox"/> NRCA-10-02-A - Must be submitted for outdoor lighting controls.	<input type="checkbox"/> Field Inspector

May 2015

May 2015

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance

June 2013

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance

June 2013

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance

May 2015

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance

May 2015

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance

May 201

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance

May 2015

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance

May 2015

STATE OF CALIFORNIA SIGN LIGHTING 2013NRCCL-TS-01-E (Revised 08/10) CERTIFICATE OF COMPLIANCE	CALIFORNIA ENERGY COMMISSION NRCCL-TS-01-E (Page 2 of 5)			
Sign Lighting Project Name: 49TH STREET FACILITY	Date Prepared: 12/18/2016			
1b. Mandatory Sign Lighting Controls If the person signing the Certificate of Compliance Declaration Statement on this NRCCL-TS-01-E is responsible for complying with the sign lighting control requirements, that person shall answer all of the following questions: If there are construction documents, indicate where on the building plans the mandatory measures (sign lighting control) note block can be located:				
<div style="border: 1px solid black; display: inline-block; padding: 2px 10px;">EL-5</div>				
1	§130.3(a)1. All indoor sign lighting is controlled with an automatic time-switch control or astronomical time-switch control.	Y	N	NA
	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA			
2	§130.3(a)2A. All outdoor sign lighting is controlled with a photocontrol in addition to an automatic time-switch control, or an astronomical time-switch control. EXCEPTION to Section 130.3(a)2A: Outdoor signs in tunnels, and signs in large permanently covered outdoor areas that are intended to be continuously lit, 24 hours per day and 365 days per year.	Y	N	NA
	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> NA			
3	§130.3(a)2B. All outdoor sign lighting that is ON both day and night is controlled with a dimmer that provides the ability to automatically reduce sign lighting power by a minimum of 65 percent during nighttime hours. Signs that are illuminated at night and for more than 1 hour during daylight hours shall be considered ON both day and night.	Y	N	NA
	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA			
4	EXCEPTION to Section 130.3(a)2B: Outdoor signs in tunnels and large covered areas that are intended to be illuminated both day and night. §130.3(a)3. Demand Responsive Electronic Message Center Control. An Electronic Message Center (EMC) that is a new controlled lighting power load greater than 25 kW at control installed that is capable of reducing the lighting power by a minimum of 30 percent when receiving a demand response signal.	Y	N	N/A
	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A			
	EXCEPTION to Section 130.3(a)3: Lighting for EMCs that is not permitted by a health or life safety statute, ordinance, or regulation to be reduced by 30 percent.	Y	N	NA
	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA			
Field Inspector Notes:				

STATE OF CALIFORNIA
CITY OF PALM SPRING
CERTIFICATE OF COMPLIANCE
Sign Lighting

CALIFORNIA ENERGY COMMISSION
NRCA-175-01-E
(Page 4 of 3)

Project Name: **9TH STREET FACILITY**
Date Required: **12/19/2016**

3. Specific Lighting Source Method of Compliance
Certificate of Compliance and Field Inspection Energy Checklist

Complete this part if there are signs using the Specific Lighting source method of compliance. (Complete part 2 of this Certificate of Compliance if there are signs using the maximum allowed lighting power method of compliance)

A	B	C	D	E
Symbol or Code	Description	OPTIONAL ENERGY VERIFIED label (see instructions below)	Specific light source used for compliance Shall include only lighting technologies listed below List all that apply	Field Inspector Check that Sign Complies ✓
F	Monument Light	<input type="checkbox"/>	<input type="checkbox"/> LED	<input type="checkbox"/>
		<input type="checkbox"/>		<input type="checkbox"/>
		<input type="checkbox"/>		<input type="checkbox"/>
		<input type="checkbox"/>		<input type="checkbox"/>
		<input type="checkbox"/>		<input type="checkbox"/>

A Symbol or code used on the plans (when plans are required) and other documents.

B A narrative description of the sign, or location of sign on the building; and the location of sign on construction documents

C **OPTIONAL.** Check this box only if the sign has a permanent, factory-installed ENERGY VERIFIED label, confirming that this sign complies with the Section 1404.5 of the California 2013 Title 24, Part 6 Standards, using the Specific Lighting Source Method of Compliance. The only labels that will be recognized for this purpose are ENERGY VERIFIED Certification Marks authorized by Underwriters Laboratories (UL) or other product Certification body accredited to ISO/IEC 14065 by the American National Standards Institute. In accordance with ISO/IEC 17051, Surveillance by the Accredited Certification body shall be an ongoing annual inspection program carried out by a Type A Inspection body in accordance with ISO/IEC 17000. For signs with such an ENERGY VERIFIED label, column "D" is not required to be filled out. Note: Using an ENERGY VERIFIED label is an optional method to validate compliance, an ENERGY VERIFIED label is not needed for compliance.

Specific Light Source Compliance Method. The sign(s) identified above use only the following lighting technologies:
List all applicable numbers (1 through 9) that apply in column D above for each row.

1

High pressure sodium lamps.

2

Metal halide lamps that are pulse start or ceramic served by a ballast that has a minimum efficiency of 88 percent or greater. Ballast efficiency is the measured output wattage to the lamp divided by the measured operating input wattage when tested according to ANSI C82.6-2005.

3

Metal halide lamps that are pulse start that are 300 watts or smaller, are not 250 watt or 175 watt lamps, and are served by a ballast that has a minimum efficiency of 80 percent.

4

Ballast efficiency is the measured output wattage to the lamp divided by the measured operating input wattage when tested according to ANSI C82.6-2005.

5

Neon or cold cathode lamps with transformer or power supply efficiency greater than or equal to a minimum efficiency of 75 percent when the transformer or power supply rated output current is less than 50 mA. The ratio of the output wattage to the input wattage is at 100 percent load.

6

Neon or cold cathode lamps with transformer or power supply efficiency greater than or equal to a minimum efficiency of 68 percent when the transformer or power supply rated output current is 50 mA or greater. The ratio of the output wattage to the input wattage is at 100 percent load.

7

Fluorescent lighting systems meeting one of the following requirements: A. Use only lamps with a minimum color rendering index (CRI) of 80 or 8. Use only electronic ballasts with a fundamental output frequency not less than 20 kHz.

8

Light emitting diode (LED) with a power supply having an efficiency of 80 percent or greater.

9

Single voltage external power supplies that are designed to convert 120 volt AC input into lower voltage DC or AC output, and have a nameplate output power less than or equal to 250 watts, shall comply with the applicable requirements of the Appliance Efficiency Regulations (Title 20).

X

Compact fluorescent lamps that do not contain a medium screw base sockets (E24/E26).

E This page doubles as a Field Inspection sheet:

Field Inspector Notes:

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance
May 2015

Owner:

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