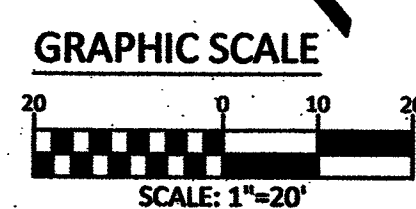
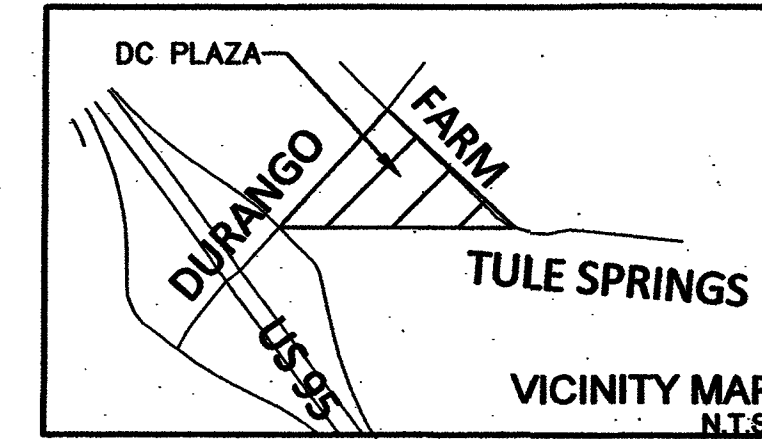
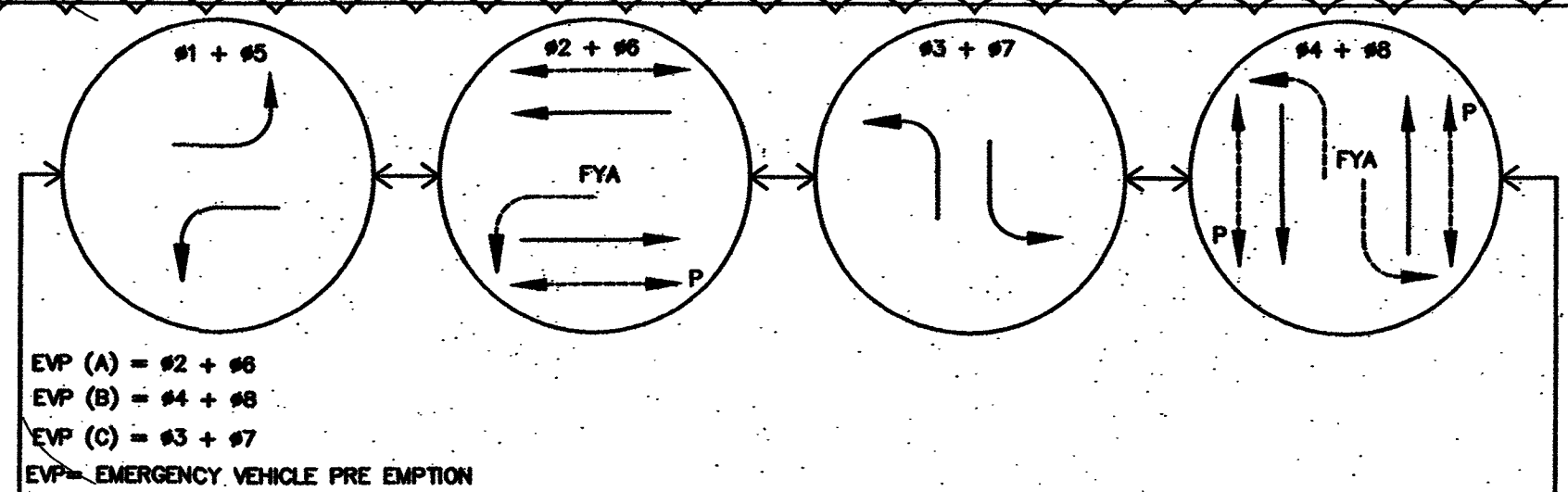
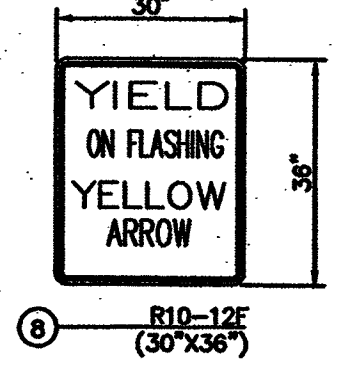
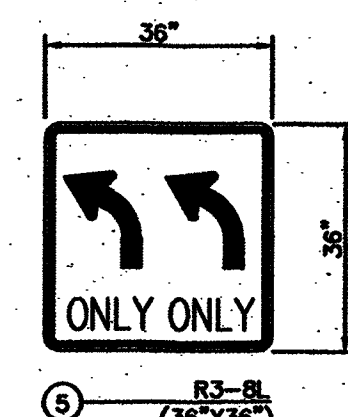


LOOP DETECTOR SCHEDULE		
MOVEMENT	LOOP NUMBER	LOOP OPERATION
EB THRU	4A	"PRESENCE/COUNT" LOOP
	4B	"PRESENCE" LOOP
EB LEFT	7A	"PRESENCE/COUNT" LOOP
	7B	"PRESENCE" LOOP
WB THRU	8A	"PRESENCE/COUNT" LOOP
	8B	"PRESENCE" LOOP
WB LEFT	3A	"PRESENCE/COUNT" LOOP
	3B	"PRESENCE" LOOP
NB LEFT	1A	"PRESENCE/COUNT" LOOP
	1B	"PRESENCE" LOOP
NB THRU	6A	"PRESENCE" LOOP
	5A,5C	"PRESENCE/COUNT" LOOP
SB LEFT	5B,5D	"PRESENCE" LOOP
	2A	"PRESENCE" LOOP



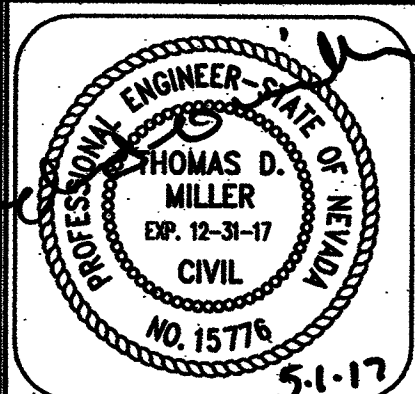
BASIS OF BEARING
SOUTH 00°06'57" WEST, BEING THE WEST LINE OF THE GOVERNMENT LOT 11, LYING WITHIN THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 17, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., AS SHOWN IN BOOK 140, PAGE 12 OF PLATS IN THE CLARK COUNTY, NEVADA, RECORDER'S OFFICE.

BENCHMARK
CITY OF LAS VEGAS BENCHMARK # 5LV90 1756

A RIVET AND PLATE IN THE TOP OF CURB AT THE NORTHWEST CORNER OF OSO BLANCA ROAD AND DURANGO DRIVE.

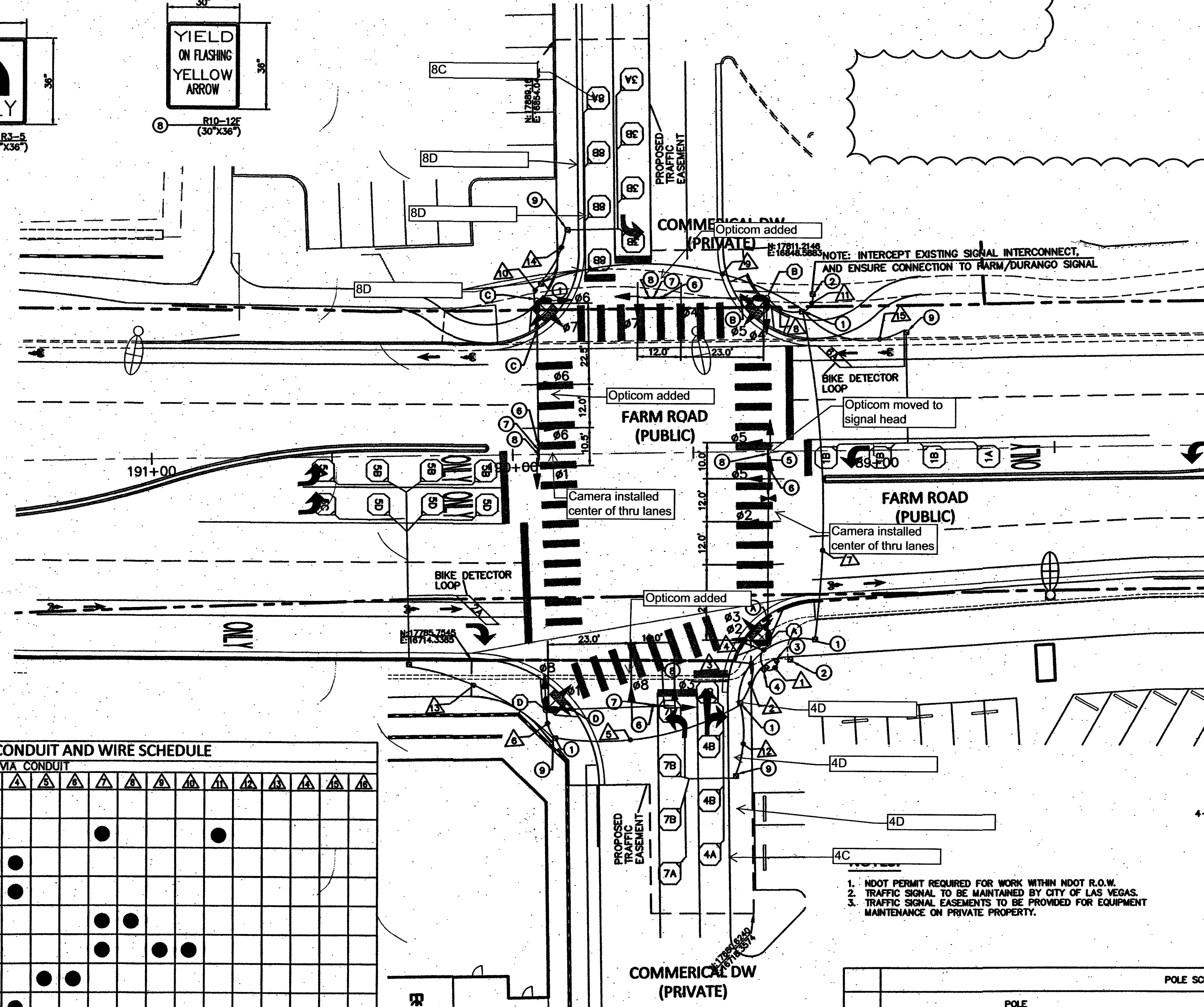
NAVD 88 ELEVATION = 798.4331 METERS / 2619.53 FEET
NORTH AMERICAN DATUM OF 1988

COLLINS ENGINEERS
3130 S DURANGO DR., SUITE 404
LAS VEGAS, NV 89117
PHONE: (702) 248-8000
FAX: (702) 248-8070
www.collinsengr.com



TRAFFIC SIGNAL NOTES

NO.	ITEM	USDOCA: UNIFORM STANDARD DRAWING CLARK COUNTY AREA
1	INSTALL No. 7 PULL BOX PER USDOCA DWG. NO. 707.	
2	INSTALL T200 PULLBOX PER USDOCA DWG. NO. 782.	
3	INSTALL 200 AMP METER PEDESTAL PER USDOCA DWG. NO. 728 & 730.	
4	INSTALL NEW TYPE V CABINET PER USDOCA DWG. NO. 801.	
5	INSTALL SIGN R3-5L (TURN ONLY) PER USDOCA DWG. NO. 249.1. SIGN DETAIL 'HEREON'.	
6	INSTALL SIGN R3-4 (NO U-TURN) PER USDOCA DWG. NO. 249.1. SIGN DETAIL 'HEREON'.	
7	INSTALL SIGN R3-5 (TURN ONLY) PER USDOCA DWG. NO. 249.1. SIGN DETAIL 'HEREON'.	
8	INSTALL SIGN R10-12F (FLASHING YELLOW) PER USDOCA DWG. NO. 249.1. SIGN DETAIL 'HEREON'.	
9	INSTALL No. 5 PULL BOX PER USDOCA DWG. NO. 706.	



ASBUILTS
MC4 CONSTRUCTION, LLC.
PER PLAN EXCEPT WHERE
NOTED
10.31.2017

CONDUIT AND WIRE SCHEDULE		
WIRE	FROM	TO
(4) #4 AWG THW (2 BLACK, 2 WHITE)	NEW SERVICE PEDESTAL (FARM RD) STA.	CONTROLLER CABINET
(1) #6 AWG THW GROUND (GREEN)		
INTERCONNECT	CONTROLLER CABINET	T-200
OPTICOM CABLE	CONTROLLER CABINET	POLE A
25 COND #14 AWG, #10 AWG THW, (1) #6 AWG GROUND (GREEN)	CONTROLLER CABINET	POLE A
25 COND #14 AWG, #10 AWG THW, (1) #6 AWG GROUND (GREEN)	CONTROLLER CABINET	POLE B
25 COND #14 AWG, #10 AWG THW, (1) #6 AWG GROUND (GREEN)	CONTROLLER CABINET	POLE C
25 COND #14 AWG, #10 AWG THW, (1) #6 AWG GROUND (GREEN)	CONTROLLER CABINET	POLE D
CONU MODEL CA295H CABLE PER CCAUSD NO. 766	CONTROLLER CABINET	CCTV CAMERA A
3/16 & 8281 COAXIAL CABLE	CONTROLLER CABINET	VIDEO CAMERA A
3/16 & 8281 COAXIAL CABLE	CONTROLLER CABINET	VIDEO CAMERA C
6-PAIR 18 AWG MULTI CONDUCTOR LOOP LEAD-IN CABLES	CONTROLLER CABINET	WEST LEG LOOP PULL BOX
6-PAIR 18 AWG MULTI CONDUCTOR LOOP LEAD-IN CABLES	CONTROLLER CABINET	EAST LEG LOOP PULL BOX
6-PAIR 18 AWG MULTI CONDUCTOR LOOP LEAD-IN CABLES	CONTROLLER CABINET	NORTH LEG LOOP PULL BOX
6-PAIR 18 AWG MULTI CONDUCTOR LOOP LEAD-IN CABLES	CONTROLLER CABINET	SOUTH LEG LOOP PULL BOX

6-PAIR LOOP LEAD-IN CABLE ASSIGNMENTS		
PAIR NO.	COLOR	PHASE LETTER DESIGNATION
1	BLACK & RED	A
2	BLACK & WHITE	B
3	BLACK & GREEN	C
4	BLACK & BLUE	D
5	BLACK & YELLOW	E
6	BLACK & BROWN	F

INTERNALLY ILLUMINATED STREET NAME SIGN SCHEDULE			
POLE	STREET NAME SIGN 8" LETTERING	SIZE	NOTES
A	COMMERCIAL DR	8'	NEW SIGNAL POLE
B	FARM RD 8451	8'	NEW SIGNAL POLE
C	COMMERCIAL DR	8'	NEW SIGNAL POLE
D	FARM RD 8451	8'	NEW SIGNAL POLE

POLE SCHEDULE ((C)-EXISTING)									
POLE	LOCATION STATION	TYPE FOUNDATION	SIGNAL ARM QUAD	LENGTH	LUMINAIRE ARM QUAD	LENGTH	SIGNALS (VEH.) TYPE	QUAD	REMARKS
A	FARM 286+36.02 1487.68' RT	XX-A	1	55'	1,4	15'	(2) M-2 MA	W-3T	SIGN R3-5L AND R3-4 ON MAST ARM. SIGN DETAILS 'HEREON'. INSTALL CCTV CAMERA PER CCAUSD DWG. 766
B	FARM 286+48.92 1592.65' RT	XX	4	35'	3,4	15'	(1) M-2 MA	W-3T	SIGN R3-5, R10-12F AND R3-4 ON MAST ARM. SIGN DETAILS 'HEREON'.
C	FARM 287+17.04 1583.57' RT	XX-A	3	55'	2,3	15'	(1) M-4 MA	W-3T	SIGN R3-5L, R10-12F AND R3-4 ON MAST ARM. SIGN DETAILS 'HEREON'.
D	FARM 286+94.56 1471.24' RT	XX	2	35'	1,2	15'	(1) M-2 MA	W-3T	SIGN R3-5, R10-12F AND R3-4 ON MAST ARM. SIGN DETAILS 'HEREON'.

QUADRANT LOCATION

CALL BEFORE YOU DIG
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.

FAST
Call before you dig
Underground
1-702-432-5300
PREMIER AND MATERIAL SYSTEM OF TRANSPORTATION

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.

CALL BEFORE YOU DIG
OVERHEAD
WORK
1-702-227-2929

COLLINS ENGINEERS ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS AND ELEVATIONS. THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION. IT IS, HOWEVER, THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION. TO FIELD VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION. IF A CONFLICT EXISTS BETWEEN WHAT IS SHOWN ON THESE DRAWINGS AND WHAT EXISTS IN THE FIELD, THE CONTRACTOR IS TO NOTIFY THE ARCHITECT OR ENGINEER IMMEDIATELY.

IMPROVEMENTS

NO.	DATE	DESCRIPTION	BY	DATE
1	3/17/17	NEW SHEET, 5/12/17	ABD: JDM	5/12/17

CEI PROJECT: 4136
DESIGN BY: JDM SR
DRAWN BY: JDM SR
CHECKED BY: TDM P.E.
DATE: 03/13/17
SCALE: 1"=20'
SHEET NUMBER
C7.02
SHEET 31 OF 45
H # 64486