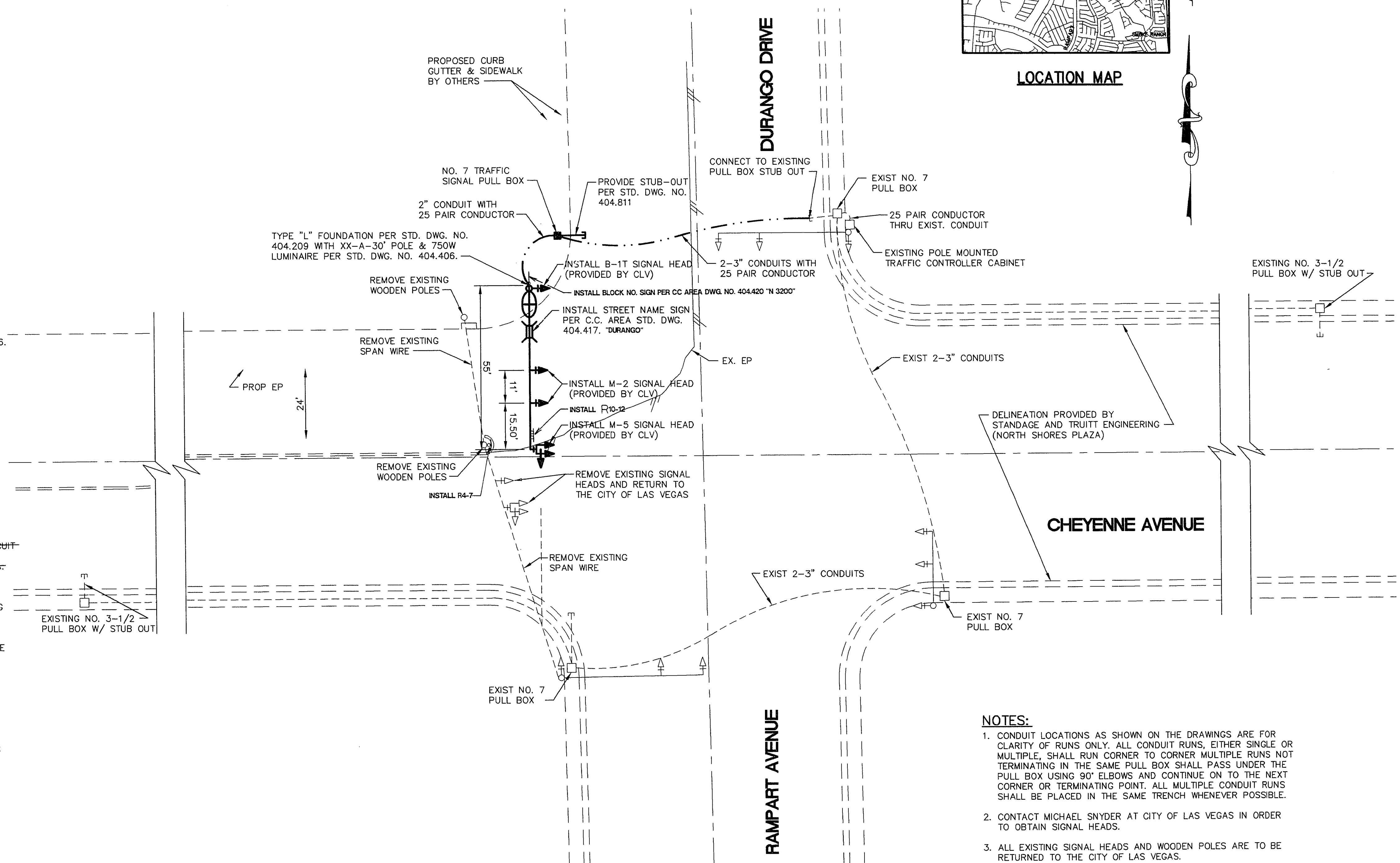


TRAFFIC SIGNAL GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ALL EXISTING UTILITIES. THE LOCATIONS OF UNDERGROUND UTILITIES, AS SHOWN ON THE PLANS, ARE APPROXIMATE ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE FOLLOWING UTILITIES TO VERIFY THE EXACT LOCATION AND DEPTH. THE UTILITY SHALL BE NOTIFIED AT LEAST 72 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION.

CALL-BEFORE-YOU-DIG 1-800-227-2600

- CHECK CONDUIT AND CABLE SCHEDULE FOR CONDUIT, CABLE AND WIRE SIZE. VERIFY ALL EXISTING CONDUIT RUNS.
- ALL CABLE AND WIRING SHALL BE INSTALLED FROM TERMINAL TO TERMINAL WITHOUT SPLICES.
- TRAFFIC SIGNAL CABLE SHALL BE 15 OR 25 CONDUCTOR #14 AWG CABLE AND SHALL CONFORM TO IMSA SPEC. NO. 20-1. ALL LOOP LEAD-IN CABLE SHALL BE ONE TWISTED PAIR OF #12 AWG CABLE AND SHALL CONFORM TO IMSA SPEC. NO. 19-2.
- ALL NEW DETECTOR LOOP INSTALLATIONS SHALL CONFORM TO C.C. AREA STD. DRAWINGS 404.800, 404.825, 404.826, AND 404.827.
- LOOP TERMINATIONS SHALL BE WIRED IN THE CONTROLLER CABINET TO THE PROPER PHASES.
- EACH DETECTOR LOOP LEAD-IN SHALL REQUIRE A SEPARATE AMPLIFIER UNIT.
- ALL PROPOSED DETECTOR LOOPS SHALL BE LOCATED IN THE CENTER OF THE LANES, UNLESS OTHERWISE NOTED ON PLANS.
- SEE C.C. AREA STD. DRAWING 404.801 (SHEET 2) FOR SPECIFICATIONS ON HOT MELT, RUBBERIZED ASPHALT SEALER FOR THE DETECTOR LOOPS.
- ALL PULL BOXES SHALL BE PRECAST REINFORCED CONCRETE AND HAVE CAST IRON COVERS MARKED "TRAFFIC SIGNALS."
- THE ROUTING AND TERMINATION OF CONDUITS AND THE PLACING OF POLES AND CABINETS SHALL BE INDICATED ON THE PLANS. ALL CHANGES SHALL BE APPROVED BY THE TRAFFIC ENGINEER.
- ALL SIGNAL POLES SHALL CONFORM TO C.C. AREA STD. DRAWINGS 404.402 AND 404.406.
- THE FINAL LOCATION OF POLES AND DETECTOR LOOPS SHALL BE DETERMINED AT THE TIME OF CONSTRUCTION BY THE TRAFFIC ENGINEER.
- ~~ALL PEDESTRIAN SIGNAL HEADS SHALL BE HAND/ARM SYMBOL AND SHALL BE ILLUMINATED BY NEON.~~
- ~~ALL PEDESTRIAN PUSHBUTTON SIGNS SHALL BE 9"x12" WITH FULL MOUNTING BRACKET, EXCEPT AS NOTED.~~
- ALL MAST ARMS, AS SPECIFIED ON THE TRAFFIC SIGNAL PLAN, SHALL HAVE INTERNALLY ILLUMINATED, DOUBLE FACED, STREET NAME SIGNS INSTALLED IN ACCORDANCE WITH C.C. AREA STD. DRAWINGS 404.417 AND 404.420. THE SIGN SHALL BE WIRED TO THE LUMINAIRE PHOTO CELL FOR CONTROL.
- EACH INTERSECTION LUMINAIRE SHALL BE FUSED IN THE CONTROLLER CABINET USING IN-LINE FUSE HOLDERS.
- ~~CONTRACTOR SHALL FURNISH AND INSTALL A SINGLE METER, PADMOUNT SERVICE PER C.C. AREA STD. DRAWING NO. 404.1412 (SHEETS 1 AND 2) WITH ONE 60A, 1 POLE CIRCUIT BREAKER FOR THE TRAFFIC SIGNAL AND A 40A, 2 POLE CIRCUIT BREAKER FOR INTERSECTION LIGHTING. SERVICE SHALL BE SINGLE PHASE, 3 WIRE 120/240 VAC, 200A. CABINET SHALL HAVE A GREEN BAKED FINISH.~~
- STREET LIGHTS SHALL CONSIST OF 750 WATT H.P.S. LUMINAIRE WITH ANSI/IES M.C. III DISTRIBUTION, INTEGRAL PHOTOELECTRIC (PE) CONTROL, 120 VOLT MAGNETIC REGULATING BALLAST, AND GLASS LENS WITH CHARCOAL FILTER; G.E. NO. M4AC40S1M2GMC32 OR APPROVED SUBSTITUTE.
- SIGNAL POLES SHALL PROVIDE FOR A 37' LUMINARIES MOUNTING HEIGHT IN ACCORDANCE WITH C.C. AREA STD. DRAWING 404.406.
- ~~EACH OPTICAL DETECTOR SHALL BE MOUNTED ON TOP OF A SIGNAL HEAD, AS SHOWN ON THE PLAN. THEY MUST BE COMPATIBLE TO OPTICOM DETECTORS ALREADY IN USE IN THE CITY. SEE C.C. AREA DRAWING 404.320 (SHEETS 1 THRU 5).~~
- ALL TRAFFIC SIGNAL HEADS SHALL HAVE 12" DIAMETER GLASS LENSES AND LOUVERED BACK PLATES.
- PULL BOX LOCATIONS, AS SHOWN ON THE PLAN, ARE FOR CLARITY ONLY. PULL BOXES SHALL NOT BE LOCATED WITHIN THE WHEELCHAIR RAMPS.



NOTES:

- CONDUIT LOCATIONS AS SHOWN ON THE DRAWINGS ARE FOR CLARITY OF RUNS ONLY. ALL CONDUIT RUNS, EITHER SINGLE OR MULTIPLE, SHALL RUN CORNER TO CORNER MULTIPLE RUNS NOT TERMINATING IN THE SAME PULL BOX SHALL PASS UNDER THE PULL BOX USING 90° ELBOWS AND CONTINUE ON TO THE NEXT CORNER OR TERMINATING POINT. ALL MULTIPLE CONDUIT RUNS SHALL BE PLACED IN THE SAME TRENCH WHENEVER POSSIBLE.
- CONTACT MICHAEL SNYDER AT CITY OF LAS VEGAS IN ORDER TO OBTAIN SIGNAL HEADS.
- ALL EXISTING SIGNAL HEADS AND WOODEN POLES ARE TO BE RETURNED TO THE CITY OF LAS VEGAS.

APPROVED BY: *Glen Grayson, P.E.*
GLEN GRAYSON, P.E.
CITY TRAFFIC ENGINEER
CITY OF LAS VEGAS

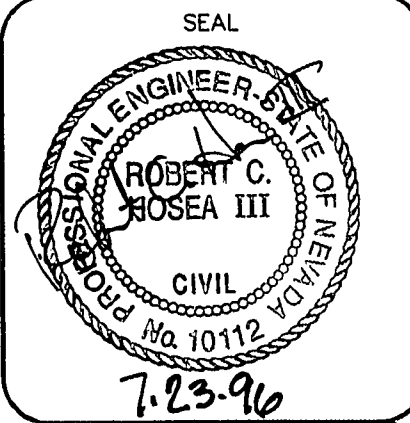


LOCATION MAP

AML AND DEVELOPMENT
1253 S. ARVILLE
LAS VEGAS, NEVADA 89102
(702) 870-5772

TRAFFIC SIGNAL
MODIFICATION PLAN

CHEYENNE & DURANGO
MINI STORAGE



WO NO. 4825
BY WBM/KMF
DATE 7/18/96
SCALE HORIZ. 1"=20'
VERT. NONE
SHEET 7 OF 7 SHEETS

31-2-93 107-V2562