

TRAFFIC SIGNAL NOTES (CITY OF NORTH LAS VEGAS)

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. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES TO VERIFY IN THE FIELD THE LOCATIONS OF THEIR INSTALLATIONS 72 HOURS PRIOR TO CONSTRUCTION.
CALL-BEFORE-YOU-OVERHEAD 1-702-593-8111
CALL-BEFORE-YOU-DIG 1-800-227-2600
2. ALL TRAFFIC SIGNAL INSTALLATIONS SHALL CONFORM TO THE UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS' CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, VOLUMES I AND II, ADOPTED BY THE REGIONAL TRANSPORTATION COMMISSION APRIL 8, 1992 WITH ALL SUBSEQUENT REVISIONS.
3. THE LAYOUT OF THE EXISTING SIGNAL UNDERGROUNDS INCLUDING CONDUIT AND WIRE RUNS IS BASED UPON THE AVAILABLE INFORMATION. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING IMPROVEMENTS, INCLUDING CONDUIT AND WIRE RUNS AND RESOLVE ALL DISCREPANCIES WITH THE CITY TRAFFIC ENGINEER PRIOR TO INSTALLING THE SIGNAL.
4. IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY CONSTRUCTION, TEMPORARY REMOVAL, OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKING, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE CITY.
5. 3M MODEL 722 (TWO-WAY) OPTICOM DETECTORS SHALL BE MOUNTED ON TOP OF THE LEFT-MOST THRU SIGNAL HEADS AS INDICATED ON THE PLANS. THE CONTROLLER SHALL BE EQUIPPED FOR OPTICOM PRE-EMPTION USING 2 3M MODEL 752 PHASE SELECTION IN A MODEL 760 CARD RACK.
6. ALL MAST ARMS TO BE HOT-DIP GALVANIZED BY THE MANUFACTURER. THE MAST ARM IS TO BE FABRICATED WITH ASTRO-BRAC MTS FOR FLEX ADJUSTING TO PAVEMENT. THE END TENON SHALL BE FACTORY INSTALLED. AND THE REMAINING TENONS SHALL BE FABRICATED IN THE FIELD AT THE LOCATION SHOWN ON THE PLANS OR AS DIRECTED BY THE TRAFFIC ENGINEER AND/OR HIS AUTHORIZED REPRESENTATIVE. FOR TENON FABRICATION DETAILS SEE CLARK COUNTY AREA U.S.D. NO. 404.406 SHEET 2. ALL WELDING SHALL CONFORM TO AWS D 2.0, "SPECIFICATION FOR WELDED HIGHWAYS AND RAILWAY BRIDGES," AND TO ANY ADDITIONAL REQUIREMENTS OF SECTION 623 T.02.09 OF THE SPECIFICATIONS. ALL EXPOSED WELDS, SHALL BE PAINTED AS PROVIDED FOR REPAIRING DAMAGED GALVANIZED SURFACES.
7. ALL VEHICLE AND PEDESTRIAN SIGNAL INDICATIONS SHALL HAVE LIGHT EMITTING DIODE (LED) TYPE INDICATIONS, IN CONFORMANCE TO CITY OF NORTH LAS VEGAS SPECIAL PROVISIONS TO SECTION 623 OF THE CCA USS. ALL PEDESTRIAN SIGNAL HEADS SHALL BE THE COUNTDOWN PER SPECIFICATIONS.
8. ALL VEHICLE DETECTION WILL BE BY VIDEO IMAGE DETECTION FOR THRU MOVEMENTS AT THIS TIME. EACH VIDEO CAMERA WILL HAVE POWER (3/16 COND. PVC JACKETED) AND 8281 COAXIAL CABLE DIRECTLY FROM THE CABINET. CAMERAS WILL BE MOUNTED USING A 6" VIDEO DETECTION CAMERA MOUNTING BRACKET, PER THE MANUFACTURER'S RECOMMENDATIONS AND PER ONLY TRAFFIC ENGINEER APPROVAL. "BNC" CONNECTORS ARE THE ONLY ACCEPTABLE TERMINATION OF CABLES. LOOP DETECTORS WILL BE USED FOR DETECTION OF THE LEFT TURN MOVEMENTS.
9. 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 RIGID ROBOCOAT 90 AND CONTINUE ON TO THE NEXT CORNER OR TERMINATING POINT. ALL MULTIPLE CONDUIT RUNS SHALL BE PLACED IN THE SAME TRENCH WHENEVER POSSIBLE.
10. THE CONTRACTOR SHALL INSTALL CROSSWALKS, STOP BARS AND SIGNS AS IDENTIFIED ON THE PLANS.
11. THE VIDEO DETECTION ZONE SHALL BE A MINIMUM OF 300 FEET FROM THE STOP BAR.
12. ALL PULLBOXES SHALL BE No. 7 ONLY.
13. EXISTING UTILITIES ARE NOT SHOWN FOR CLARITY. FOR EXISTING UTILITY INFORMATION, PLEASE REFER TO SHEETS R1 TO R18.
14. ALL LOOP DETECTORS SHOWN ARE 6"x40" AND ARE NOT REQUIRED TO BE PREFORMED. NON-PREFORMED LOOPS SHALL BE PER USS 623T.02.04 AND SHALL BE INSTALLED PRIOR TO THE FINAL LIFT OF PAVEMENT.

[Signature] 11.26.07
APPROVED DATE
CITY OF NORTH LAS VEGAS TRAFFIC ENGINEER

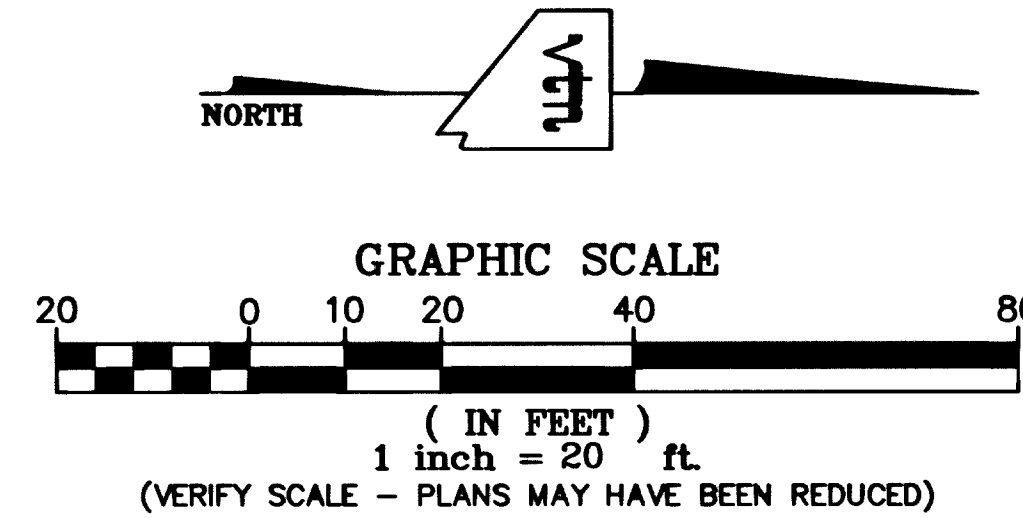
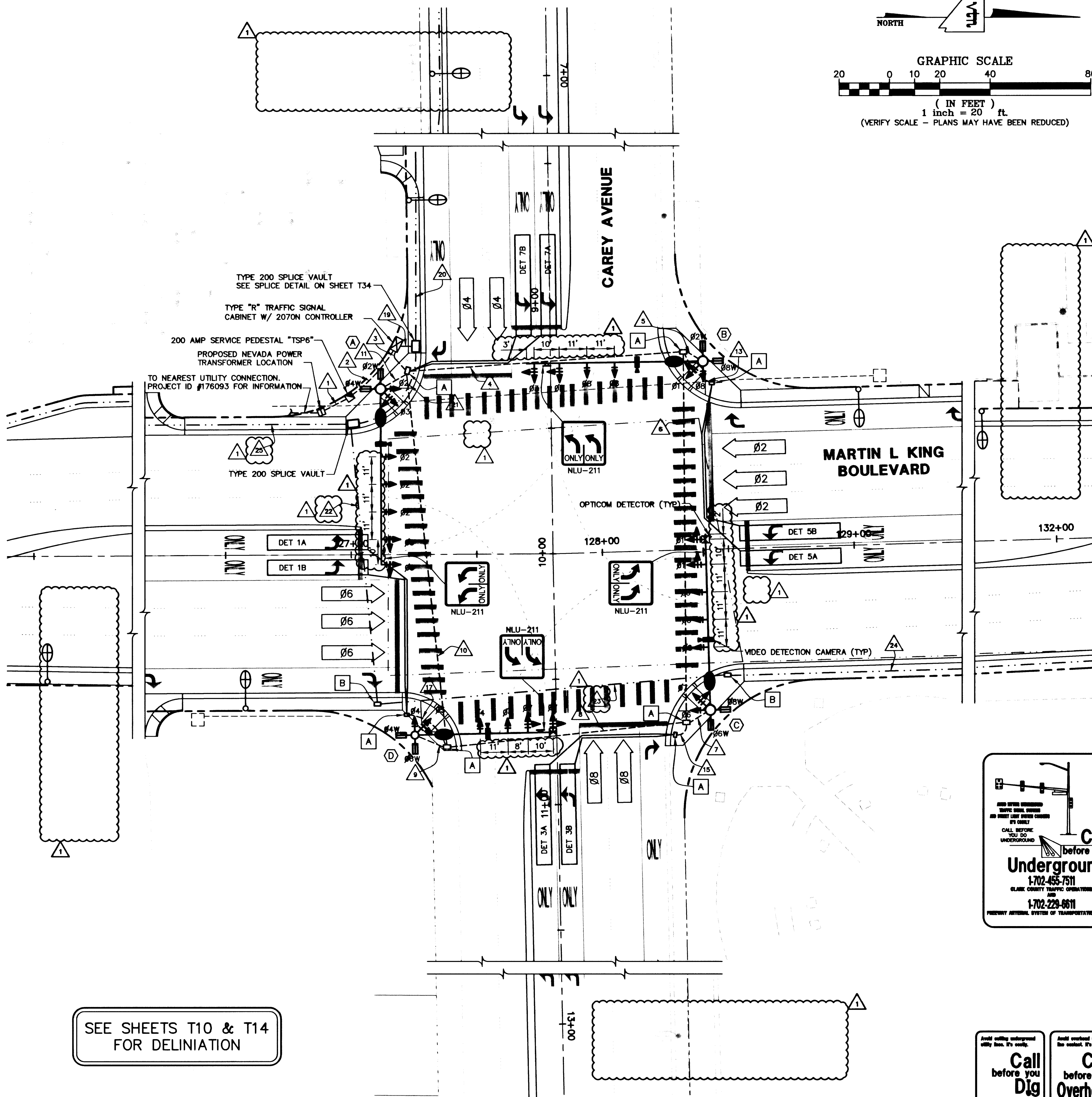
PULLBOX LEGEND

- A No. 7 PULL BOX (MARKED "TRAFFIC SIGNAL")
B P-30 PULL BOX (MARKED "FIBER OPTIC")

VEHICLE DETECTION LEGEND

- 5A INDUCTION LOOP DETECTION SYSTEM
— LOOP DETECTOR
— LOOP DETECTOR SYSTEM PHASE
Ø2 VIDEO DETECTION SYSTEM

SEE SHEETS T10 & T14
FOR DELINIATION



DEPARTMENT OF PUBLIC WORKS
CITY OF LAS VEGAS

CONSULTING ENGINEERS • PLANNERS • LAND SURVEYORS
2727 SOUTH RAINBOW BOULEVARD
LAS VEGAS, NEVADA 89146-5148 PHONE (702) 873-7550 FAX (702) 362-2997

nv
nevada

TITLE
TRAFFIC SIGNAL PLAN
MARTIN L KING BLVD &
CAREY AVE

PROJECT
MARTIN L KING BLVD IMPROVEMENTS
ALTA DR TO CAREY AVE

SEAL
ROBERT C. HOSEA
P.E. 00000000
CIVIL

WD. NO. 6224
DESIGNED BY RCH/LMW
DRAWN BY WBM
DATE 4/2/07
SCALE HORIZ. 1"=20'
VERT. NONE
DRAWING SHEET 22
T26R OF SHEETS

Call before you Dig
1-800-227-2600

Call before you Overhead
1-702-227-2929

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