

TRAFFIC SIGNAL UNDERGROUND NOTES:

- ALL WORK PERFORMED ON ANY TRAFFIC SIGNAL COMPONENT MUST BE UNDER THE DIRECT ON-SITE SUPERVISION OF AN IMSA CERTIFIED TECHNICIAN. EFFECTIVE MARCH 30, 2000 THE LEVEL OF CERTIFICATION REQUIRED IS LEVEL I, AND THE LEVEL OF CERTIFICATION REQUIRED SHALL BE INCREASED TO LEVEL II EFFECTIVE MARCH 30, 2001.
- 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 1-702-593-6111
CALL-BEFORE-YOU-DIG 1-800-227-2600
- ALL TRAFFIC SIGNAL INSTALLATIONS SHALL CONFORM TO THE UNIFORM STANDARD DRAWINGS SPECIFICATIONS AND SPECIAL PROVISIONS 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. (REVISIONS THRU MAY 11 2000)
- SERVICE SHALL HAVE 1-60 AMP SINGLE POLE BREAKER FOR SIGNAL, AND ONE 40 AMP SINGLE POLE BREAKERS FOR STREET LIGHTS. SERVICE SHALL BE 200 AMP PADMOUNT.
- LINE SIDE OF METER TO BE WIRED WITH THREE #3/0 AWG THW. LOAD SIDE SHALL BE WIRED WITH FOUR #4 AWG THW (2 BLACK, 2 WHITE) AND ONE #8 AWG THW (GREEN).
- LUMINAIRES ON ALL SIGNAL POLES SHALL BE 400 WATT HIGH PRESSURE SODIUM CUTOFF (G.E. M400A) WITH MC-111 DISTRIBUTION. EACH LUMINAIRE SHALL HAVE AN INDIVIDUAL 1000 WATT P.E. CONTROL. FOR LUMINAIRES THERE SHALL BE 2(TWO)-#4 AWG THW CONDUCTOR FROM THE SERVICE TO THE CABINET. IN THE CABINET, THE #4 AWG THW CONDUCTORS SHALL BRANCH OFF INTO #10 AWG THW CONDUCTORS INDIVIDUALLY FUSED WITH 10 AMP FUSES. THERE SHALL BE NO SPLICES BETWEEN THE CABINET AND LUMINAIRE FIXTURES.
- ALL PULLBOXES SHALL BE IN ACCORDANCE WITH UNIFORM STANDARD DRAWINGS NO. 404.110, NO. 404.120, AND NO. 404.130.
- TRAFFIC SIGNAL CABLE SHALL BE 15 OR 25 CONDUCTOR #14 AWG SOLID (TYPICAL) CABLE AND SHALL CONFORM TO IMSA SPEC. NO. 20-1.
- THE ROUTING AND TERMINATION OF CONDUITS AND THE PLACING OF POLES AND CABINETS SHALL BE AS INDICATED ON THE PLANS. ALL CHANGES SHALL BE APPROVED BY THE ENGINEER.
- CONTRACTOR SHALL POT HOLE SIGNAL POLE LOCATIONS PRIOR TO ORDERING OF POLES.
- IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY CONSTRUCTION, TEMPORARY REMOVAL, OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT WARNING, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED AT THE CONTRACTORS EXPENSE TO THE SATISFACTION OF THE CITY.
- THE CONTRACTOR SHALL INSTALL CROSSWALKS, STOP BARS AND SIGNS AS IDENTIFIED ON THE PLANS.
- EXISTING UTILITIES ARE NOT SHOWN FOR CLARITY. FOR EXISTING UTILITY INFORMATION, PLEASE REFER TO "C" SHEETS.

PULLBOX LEGEND

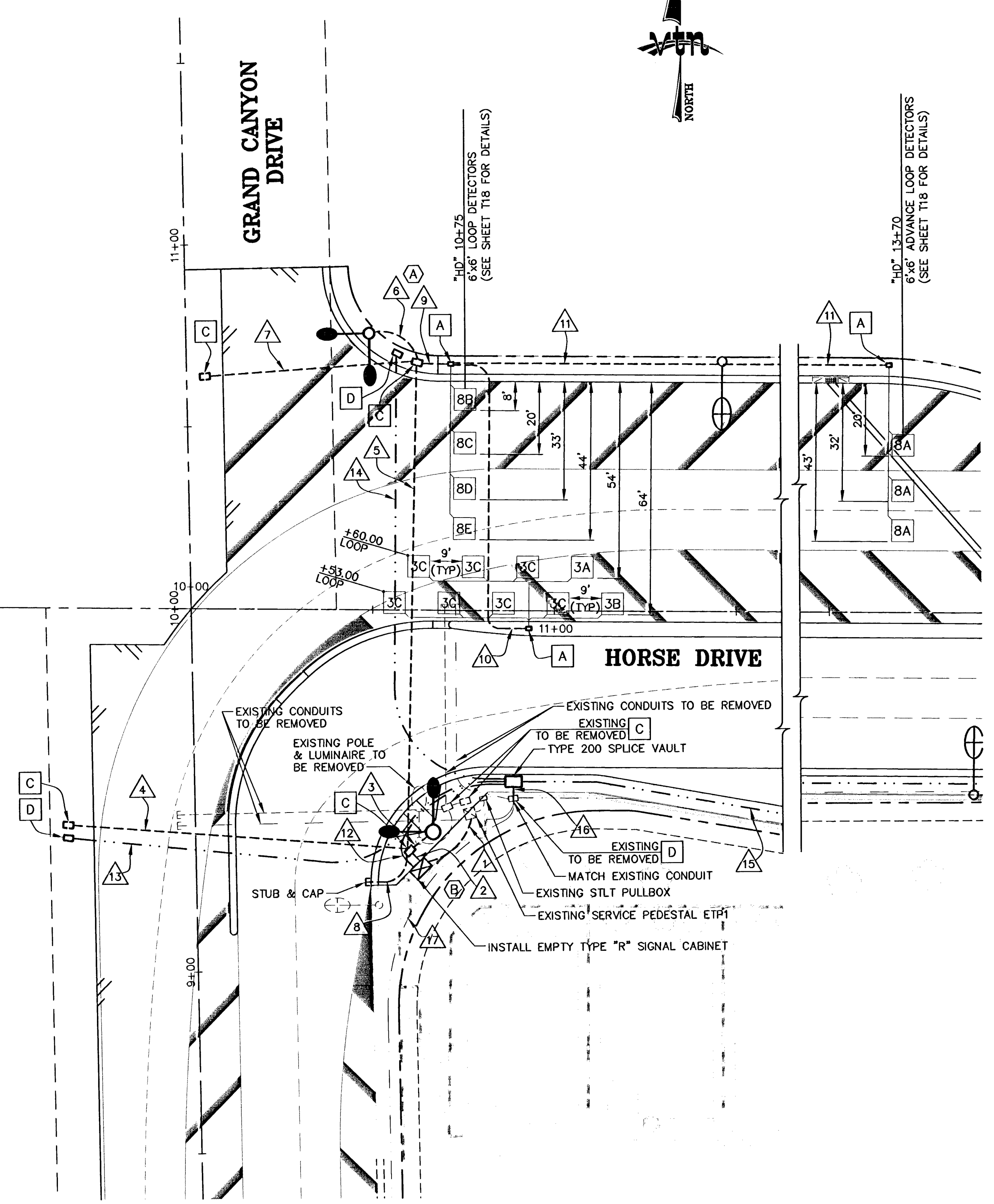
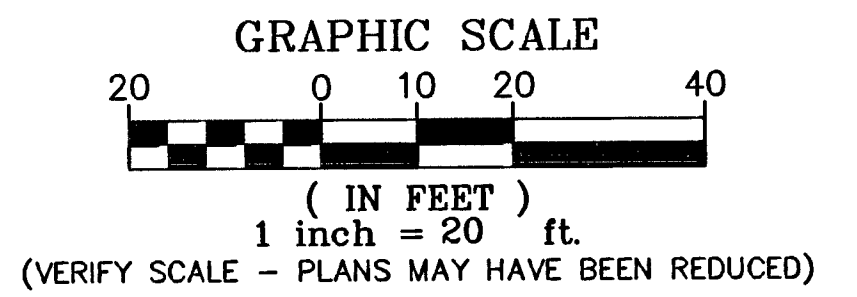
- A No. 3 1/2 PULL BOX (MARKED "TRAFFIC SIGNAL")
- B No. 5 PULL BOX (MARKED "TRAFFIC SIGNAL")
- C No. 7 PULL BOX (MARKED "TRAFFIC SIGNAL")
- D P-30 PULL BOX (MARKED "FIBER OPTIC")

VEHICLE DETECTION LEGEND

- 5A INDUCTION LOOP DETECTION SYSTEM
 - LOOP DETECTOR*
 - LOOP DETECTOR SYSTEM PHASE
- * ALL LOOPS SHALL BE PREFORMED LOOPS PER SPECIAL PROVISIONS AND DETAILS ON SHEET T18. CONTRACTOR TO VERIFY ALL LOCATIONS PRIOR TO CONCRETE AND ASPHALT PLACEMENT.

SEE SHEET ST-1
FOR STRIPING PLAN

SEE SHEET L1
FOR ITS PLAN



114494

AVOID OVERHEAD POWER LINE CONTACT IT'S COSTLY

Call before you Overhead

1-702-227-2929

NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

Call before you Dig

Avoid cutting underground utility lines. It's costly.

Call 811

OR

1-800-227-2600

CLARK COUNTY TRAFFIC OPERATIONS

1-702-456-7544

ELECTRICAL ONLY

DRAWN BY: WBM		06/20/2008								
DESIGNED BY: VTN		06/20/2008								
CHECKED BY: RCH		06/20/2008								
PROJECT NO: 6500	SCALE: 1"=20'	HORIZ. VERT. N/A								
<p>TRAFFIC SIGNAL UNDERGROUND PLAN HORSE DRIVE & GRAND CANYON DRIVE</p> <p>CITY OF LAS VEGAS, NV</p> <p>400 E. STEWART AVE. LAS VEGAS, NV 89101 702-228-8272</p> <p>nevada CONSULTING ENGINEERS • PLANNERS • LAND SURVEYORS</p> <p>777 SOUTH RANCHO BOULEVARD LAS VEGAS, NEVADA 89146-5146 PH. (702) 872-5666 FAX (702) 362-2287</p>										
<p>REVISION</p> <table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>REVISION</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>			NO.	DATE	BY	REVISION				
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<p>PROFESSIONAL ENGINEER STATE OF NEVADA No. 10112 RCH</p> <p>SHEET T2 203 OF 453 SHEETS</p> <p>DRAWING NO. 107V3759</p>										

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