

**SAFETY ALERT**

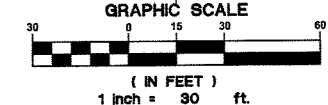
Call Before You Overhead

1-702-227-2929

AVOID HITTING UNDERGROUND UTILITY LINES. IT'S COSTLY.

811 Know what's below. Call before you dig.

702-227-8511



**ON-SITE STORM DRAIN CONSTRUCTION NOTES:**

- 1. NOT ALL NOTES USED ON THIS SHEET -
- 1. INSTALL TYPE II INTERCEPT MANHOLE PER CCAUSD No. 405.
- 2. INSTALL 60" TYPE I STORM DRAIN MANHOLE PER CCAUSD No. 403 W/ CONC. COLLAR PER CCAUSD No. 408. REFER TO CCAUSD No. 409 FOR MANHOLE COVER & RING.
- 3. INSTALL 36" x 36" ENHANCED PRECAST DROP INLET MODEL No. D13636 W/ 4-20 TRAFFIC RATED FRAME & GRATE (OR OWNER APPROVED EQUIVALENT), SEE DETAIL 7 SHEET C7.01.
- 4. INSTALL ROP FLARED END SECTION PER NDOT STD R-2.3.1
- 5. INSTALL 2.5" DROP INLET WITH ONE GRATE PER CCAUSD No. 412A.
- 6. INSTALL NDOT TYPE 3 DROP INLET PER NDOT STD R-4.2.3.
- 7. INSTALL 15" RIP RAP D50-10" THICKNESS=20" W/ GEOTEXTILE & 6" TYPE II PER DETAIL 4 SHEET C7.01.
- 8. INSTALL 7'x7' RIP RAP PAD D50-4" THICK PER DETAIL 5 ON SHEET C7.01.
- 9. REMOVE EXISTING 30" CAP AND INSTALL NEW MANHOLE.
- 10. INSTALL NDOT TYPE 10 INLET PER NDOT STD R-4.2.5. INTERCEPT EXISTING 18" ROP. REMOVE 18" WEST OF ROP.

**DEMOLITION NOTES:**

- 1. NOT ALL NOTES USED ON THIS SHEET -
- 1. REMOVE EXISTING CURB, GUTTER, AND SIDEWALK.
- 2. REMOVE EXISTING PAVEMENT.
- 3. REMOVE EXISTING FENCE.
- 4. REMOVE EXISTING DROP INLET.
- 5. REMOVE EXISTING DROP INLET. BACKFILL WITH CLSM AND PATCH AC.

**ON-SITE CONSTRUCTION NOTES:**

- 1. NOT ALL NOTES USED ON THIS SHEET -
- 1. CONSTRUCT ASPHALT PAVEMENT PER DETAIL 1 ON SHEET C7.01.
- 2. CONSTRUCT CONCRETE SIDEWALK PER CCAUSD No. 234.
- 3. CONSTRUCT "A" TYPE CURB PER DETAIL 3 ON SHEET C7.01.
- 4. INSTALL 2" VALLEY GUTTER PER DETAIL 2 ON SHEET C7.01.
- 5. LANDSCAPE AREA. SEE LANDSCAPE ARCH. PLANS.
- 6. INSTALL 0" CURB PER DETAIL 6 ON SHEET C7.01.
- 7. TRASH ENCLOSURE PER ARCHITECTURAL PLANS.

**OFF-SITE CONSTRUCTION NOTES:**

- 1. NOT ALL NOTES USED ON THIS SHEET -
- 1. CONSTRUCTION TO BE DONE IN ACCORDANCE WITH "CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (CCAUSD)" LATEST EDITION AND/OR REGULATING ENTITY HAVING JURISDICTION.
- 2. NOT ALL NOTES USED ON THIS SHEET -
- 31. SAWCUT & MATCH EX. GRADE.
- 32. CONSTRUCT ASPHALT PAVEMENT PER DETAIL 1 ON SHEET C7.01.
- 33. CONSTRUCT CONCRETE SIDEWALK PER CCAUSD No. 234.
- 34. CONSTRUCT "L" TYPE CURB PER CCAUSD No. 216.
- 35. CONSTRUCT "A" TYPE MEDIAN CURB PER CCAUSD No. 219.
- 36. CONSTRUCT SIDEWALK UNDERDRAIN PER DETAIL 1 ON SHEET C7.02 AND CCAUSD No. 236.
- 37. CONSTRUCT HANDICAP RAMP PER CCAUSD No. 235 CASE II A48-B' UNLESS OTHERWISE NOTED AND PER TOWN CENTER FIGURE 14 & 25.
- 38. CONSTRUCT 8" CROSS GUTTER PER CCAUSD No. 228.
- 39. CONSTRUCT TEMPORARY AC SIDEWALK.
- 40. CONSTRUCT TRUCK RING PER DETAIL 6 ON SHEET C7.01
- 41. CONSTRUCT NDOT FREEWAY FENCE PER NDOT STD. DWGR-6.3.2.1
- 42. CONSTRUCT TACK ON MEDIAN CURB.
- 43. MILL AND REAPPLY OPEN GRADE WITHIN LIMITS OF NEW STRIPING.
- 44. CONSTRUCT CONCRETE IN AMENITY ZONE PER TOWN CENTER FIGURE 14.
- 45. CONSTRUCT CONCRETE BUS TURNOUT PER CCAUSD No. 234.1

**GRADING AND GEOTECHNICAL NOTES:**

1. CONTRACTOR TO ENSURE POSITIVE DRAINAGE. NO PONDING ALLOWED.
2. CONTRACTOR TO BE FAMILIAR WITH ALL RECOMMENDATIONS OUTLINED IN THE PROJECT GEOTECHNICAL REPORT, INCLUDING BUT NOT LIMITED TO EXCAVATION, GRADING & COMPACTION. REFER TO THE REPORT PREPARED BY: DUPONT ENGINEERING DEI NO. 08-0476 DATED OCTOBER 17, 2008.
3. SLOPES 4:1 OR STEEPER AND FINE-GRAINED MATERIALS THAT HAVE BEEN DISTURBED (SANDY AND SILTY MATERIALS) SHOULD BE PROTECTED WITH BURLAP OR OTHER EROSION CONTROL FABRIC MATERIAL UNLESS OTHERWISE SPECIFIED BY LANDSCAPE DRAWINGS & SPECIFICATIONS OR THE PROJECT SOILS REPORT RECOMMENDATIONS.
4. CONTRACTOR SHALL NOTIFY ENGINEER WITHIN 24 HOURS OF OMISSIONS AND/OR ERRORS DISCOVERED ON PLANS. ENGINEER WILL NOT BE RESPONSIBLE FOR ANY "CORRECTIVE" WORK DONE BY OTHERS.

**CROSSING/SEPARATION NOTE:**

ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.19 OF UNIFORM DESIGN AND CONSTRUCTION STANDARD FOR WATER DISTRIBUTION SYSTEMS (UDACS) FOR WATER & STORM DRAIN CROSSING AND CLEARANCES.

MINIMUM SEPARATION BETWEEN FIRE SYSTEMS AND DOMESTIC WATER MAINS SHALL BE SIX (6) FEET HORIZONTALLY FROM EXTERIOR PIPE WALLS & EIGHTEEN (18) INCHES VERTICALLY. MINIMUM SEPARATION FROM SEWER LINES SHALL BE TEN (10) FEET HORIZONTALLY.

**BENCHMARK**

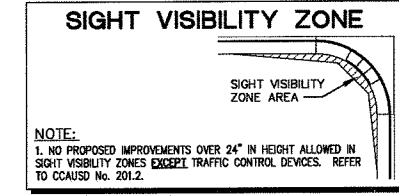
RIVET AND ALUMINUM PLATE IN TOP OF SOUTH END OF HEADWALL ON THE WEST SIDE OF WEST FRONTAGE ROAD +/- 400 FEET NORTH OF ELKHORN AT MILE POST 89.4 CITY OF LAS VEGAS No. BLVSD 1738S ELEVATION BEING 6194.36 METERS OR 20318.1 FEET, OR 7789.95 METERS, NAVD 88

**BASIS OF BEARING**

NORTH 88°42'36" WEST BEING THE CENTER LINE OF ELKHORN ROAD, BEARING PRODUCED USING LEICA 1200 GPS AND CITY OF LAS VEGAS BASE STATION.

**FLOOD ZONE NOTE**

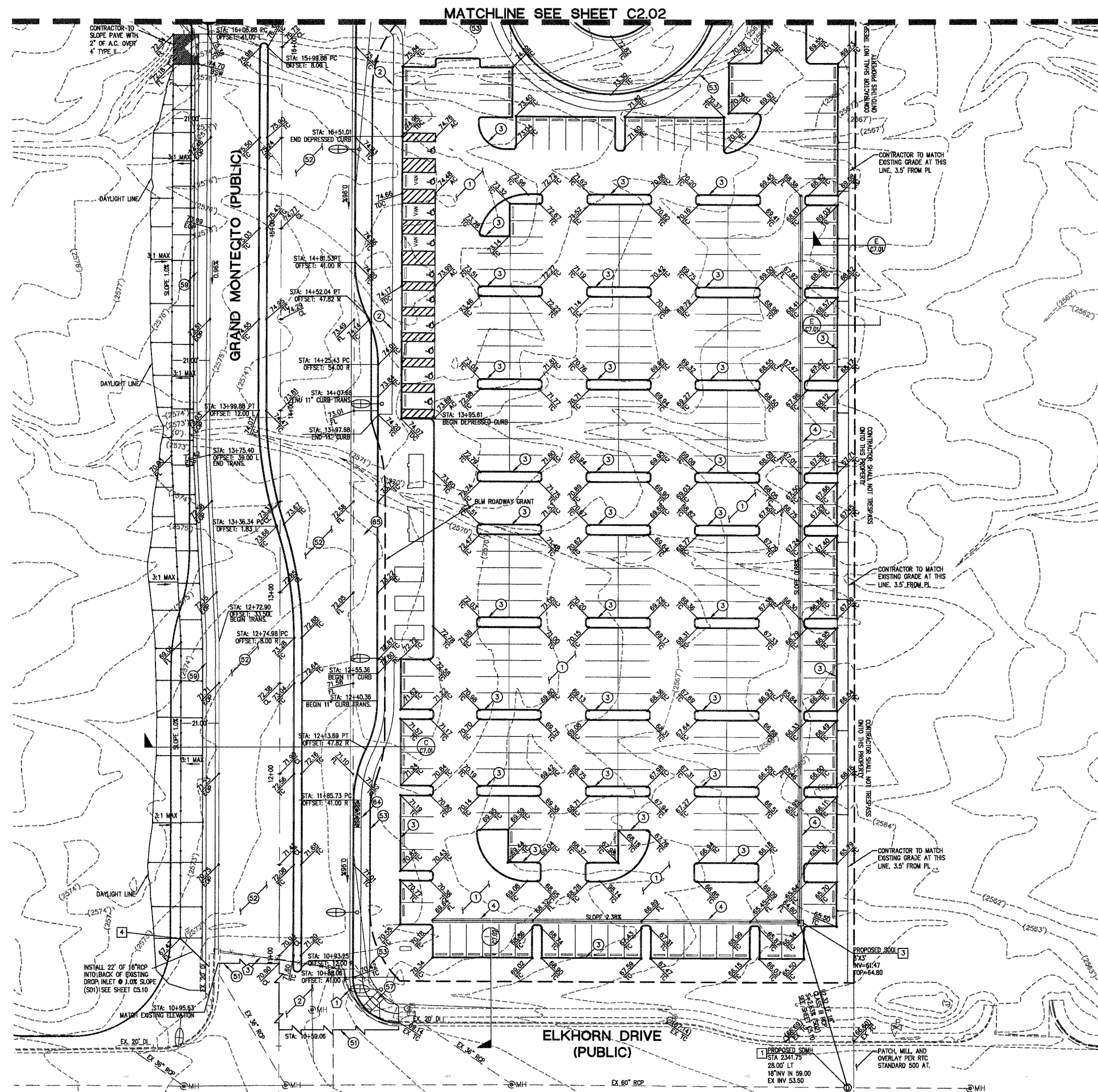
THE SUBJECT PROPERTY IS COVERED BY A FLOOD INSURANCE RATE MAP (FIRM) FOR THE CLARK COUNTY, NEVADA AND UNINCORPORATED AREAS, COMMUNITY PANEL NUMBER 300037408E, EFFECTIVE DATE: SEPT. 27, 2002. REVIEW OF THE FIRM INDICATES THAT THE SITE IS LOCATED WITHIN A FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) DESIGNATED ZONE "X".



**GRADING PLAN CERTIFICATION**

NAME: TERRY L. CUPP PE # 5074 DATE: 7-1-09

CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH APPROVED DRAINAGE STUDY FOR THIS SITE ON FILE AT CITY OF LAS VEGAS FOR THIS PROJECT, DS 4358



REGIONAL TRANSPORTATION COMMISSION  
600 S. GRAND CENTRAL PARKWAY  
Las Vegas, NV

2070 St. Rose Parkway  
Henderson, NV 89074  
(702) 982-2639 Fax: (702) 982-2148

**TCUPP**

GRADING PLAN

CENTENNIAL HILLS TRANSIT CENTER AND PARK AND RIDE

DRAWN BY: JAC  
DESIGNED BY: JAC  
CHECKED BY: JAC  
PROJECT NO: H 34497

SCALE: 1"=30' HORIZ. VERT.

PROFESSIONAL ENGINEER-STATE OF NEVADA  
TERRY L. CUPP  
No. 5074

7-1-09  
SHEET  
C2.03  
5 of 59 SHEETS

DRAWING NO. 107V5239