

SAFETY ALERT

Call Before You Overhead

1-702-227-2929

811

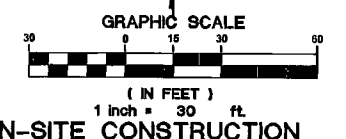
Know what's below. Call before you dig.

1-702-455-7511

1-702-229-6611

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S DANGEROUS!

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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/ CONIC COLLAR PER CCAUSD No. 408. REFER TO CCAUSD No. 400 FOR MANHOLE COVER & GING.
- 3) INSTALL 36" 30" JENSEN 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 DETAIL STD R-4.2.3.
- 7) INSTALL 18" RIP RAP D50-10" THICKNESS-20" W/ GEOFABRIC & 6" TYPE II PER DETAIL 4 SHEET C7.01.
- 8) INSTALL 7X7" 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) 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.

OFF-SITE TRAFFIC CONTROL NOTES:

- 1) ALL CONSTRUCTION TO BE DONE IN ACCORDANCE WITH "CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (CCAU.S.D.)" LATEST EDITION AND/OR REGULATING ENTITY HAVING JURISDICTION.
- 2) NOT ALL NOTES USED ON THIS SHEET -
- 63) INSTALL YELLOW MEDIUM NOSE MARKING AND REFLECTIVE PAINT PER USA NO. 248.
- 64) INSTALL RAISED PAVEMENT MARKERS (TYPE 4 LANE LINE) PER USD NO.244A.
- 65) INSTALL 2" WIDE, WHITE PAINTED STOP BAR.
- 66) INSTALL COOL POLYMER PAVEMENT SYMBOL AS SHOWN.
- 68) INSTALL RAISED PAVEMENT MARKERS (ADDED LEFT/RIGHT TURN LANE) PER USD NO. 246.
- 70) INSTALL 6" WIDE, WHITE REFLECTIVE PAINT.

CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA	TANGENT
C1	618.48'	1957.00'	183°28'	311.83'
C2	54.52'	150.50'	20°45'17"	27.36'
C3	62.83'	149.50'	24°04'52"	31.89'
C4	587.57'	1858.00'	16°36'00"	285.78'
C5	3.14'	1.00'	180°00'00"	INFINITE

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 6" CURB PER DETAIL 6 ON SHEET C7.01.
- 7) TRASH ENCLOSURE PER ARCHITECTURAL PLANS.

OFF-SITE CONSTRUCTION NOTES:

- 1) ALL CONSTRUCTION TO BE DONE IN ACCORDANCE WITH "CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS (CCAU.S.D.)" LATEST EDITION AND/OR REGULATING ENTITY HAVING JURISDICTION.
- 2) NOT ALL NOTES USED ON THIS SHEET -
- 61) SAWCUT & MATCH EX. GRADE.
- 62) CONSTRUCT ASPHALT PAVEMENT PER DETAIL 1 ON SHEET C7.01.
- 63) CONSTRUCT CONCRETE SIDEWALK PER CCAUSD No. 234.
- 64) CONSTRUCT "L" TYPE CURB PER CCAUSD No. 210.
- 65) CONSTRUCT "A" TYPE MEDIAN CURB PER CCAUSD No. 210.
- 66) CONSTRUCT SIDEWALK UNDERDRAIN PER DETAIL 1 ON SHEET C7.02 AND CCAUSD No. 236.
- 67) CONSTRUCT HANDICAP RAMP PER CCAUSD No. 235 CASE # A&B-8' UNLESS OTHERWISE NOTED AND PER TOWN CENTER FIGURE 14 & 25.
- 68) CONSTRUCT 8" CROSS GUTTER PER CCAUSD No. 228.
- 69) CONSTRUCT TEMPORARY AC SIDEWALK.
- 70) CONSTRUCT TRUCK RING PER DETAIL 8 ON SHEET C7.01.
- 71) CONSTRUCT NDOT FREEWAY FENCE PER NDOT STD. DWGR-6.3.2.1
- 72) CONSTRUCT TACK ON MEDIAN CURB.
- 73) MILL AND REAPPLY OPEN GRADE WITHIN LIMITS OF NEW STRIPING.
- 74) CONSTRUCT CONCRETE IN AMENITY ZONE PER TOWN CENTER FIGURE 14.
- 75) 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 & COMPACTOR. 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 2.18 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

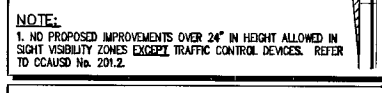
RIVET AND ALUMINUM PLATE IN TOP OF SOUTH END OF HEADWALL ON THE WEST SIDE OF WEST FRONTAGE ROAD 1/4-400 FEET NORTH OF ELKHORN AT MILE POST 89.4 CITY OF LAS VEGAS NO. BLV90 175CS ELEVATION BEING 618.436 METERS OR 2028.51 FEET, OR 778.950 METERS NAVD 88

BASIS OF BEARING

NORTH 89°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 32003C1745E, 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 A. CUFF PE # 5074 DATE: 9-2-05

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

REVISION

NO.	DATE	BY	REVISION

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

2470 Bl. Rose Parkway
Henderson, NV 89074
(702) 982-2359 Fax (702) 982-2446

TCUPP

GRADING PLAN

CENTRAL HILLS TRANSIT CENTER AND PARK AND RIDE

SCALE: 1"=30' HORIZ. VERT.

DRAWN BY: JAC

DESIGNED BY: JAC

CHECKED BY: JAC

PROJECT NO: 107V5239

SHEET C2.02
4 OF 59 SHEETS

DRAWING NO. 107V5239

PROFESSIONAL ENGINEER-STATE OF NEVADA
TERRY A. CUFF
EX. 12/31/10
NO. 5074