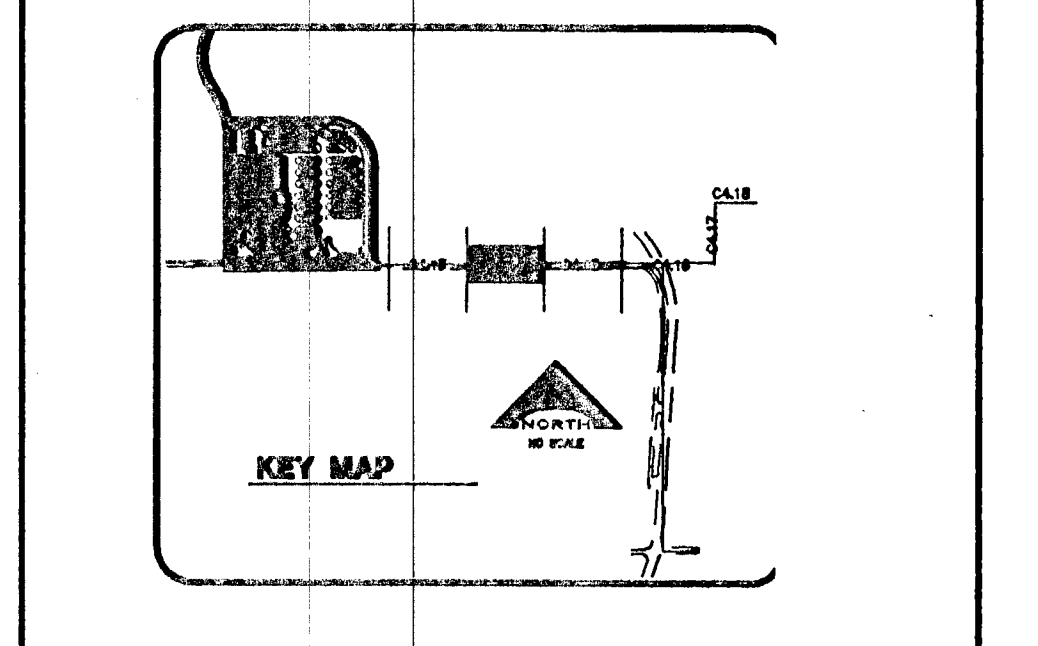
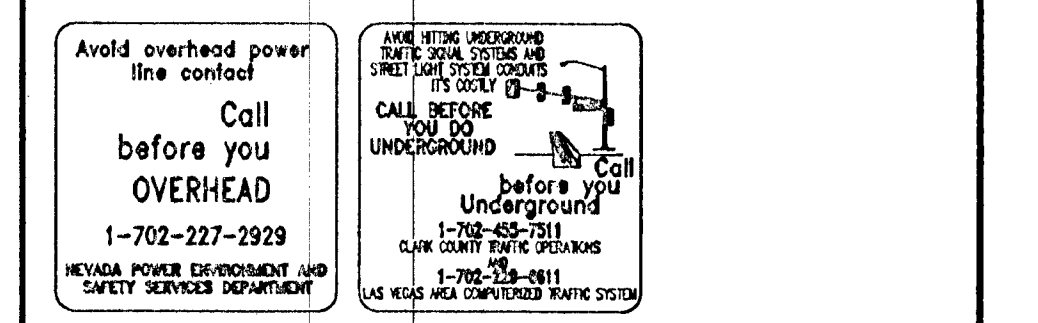


REVISIONS			
REV	DESCRIPTION	DATE	BY

DISCLAIMER NOTE
 UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

Call before you Dig
 Avoid cutting underground utility lines. It's costly.
 1-800-227-2600
 CLARK COUNTY PUBLIC OPERATIONS
 1-702-455-7344



PROFESSIONAL ENGINEER - STATE OF NEVADA VERNON R. HARKINS EXP. 6/30/13 CIVIL No. 009908 11/11	CSST PROJECT NO. 1549	DATE OCTOBER 31, 2011	DATE OCTOBER 31, 2011
DESIGNED BY	CHECKED BY	DATE	DATE
APPROVED BY	DATE	DATE	DATE
PROJECT NO.	DATE	DATE	DATE
PROJECT NO.	DATE	DATE	DATE

CONSULTING ENGINEERS, INC.
 6750 West Hummer Road, Suite 200
 Las Vegas, NV 89115
 (702) 798-2929
 (702) 491-2296 FAX

L. E. NELSON
 ARCHITECTURAL
 CIVIL
 LANDSCAPE ARCHITECTURE

KGA ARCHITECTURE
 9075 West Diablo Drive, Third Floor
 Las Vegas, Nevada 89148
 702.367.6900

CLARK COUNTY SCHOOL DISTRICT
 DESIGN MANAGEMENT / PLANNING AND DESIGN
 LAS VEGAS, NEVADA 89121
 4170 McLEDD DRIVE

CCSD NORTHWEST SATELLITE TRANSPORTATION FACILITY
 PROJECT
 SHEET NO. **C4.14**
 SHEET 43 OF 83
 CLV #11249 7/5-188
 HTE #11-19927

PLAN AND PROFILE-OFFSITE SEWER

WATERLINE CROSSING NOTE

ALL WATERLINES CROSSING TRENCH WIDTHS GREATER THAN 6 FT. SHALL HAVE A PIPE SUPPORT DETAIL SUBMITTED TO THE DISTRICT FOR APPROVAL PRIOR TO EXCAVATION.

CLARK COUNTY DEPARTMENT OF PUBLIC WORKS DEVELOPMENT REVIEW

ACCEPTANCE OF PLANS FOR FILING
 BY *Pete Robinson* 12-12-11

ACCEPTANCE OF THESE PLANS FOR FILING SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS AND/OR SPECIFICATIONS. CLARK COUNTY SHALL BE HELD FREE FROM DAMAGES WHICH MAY RESULT FROM THE CONSTRUCTION OF THE IMPROVEMENTS FROM THE ENGINEERING DESIGN DEPICTED HEREIN.

NOTE: POWER POLES AND/OR OTHER EXISTING FACILITIES NOT IN PROPER LOCATION BASED ON PROPOSED IMPROVEMENTS SHOWN HEREON WILL BE RELOCATED AT NO EXPENSE TO CLARK COUNTY.

SANITARY SEWER KEY NOTES

- CONSTRUCT A STANDARD 48" PRECAST MANHOLE PER DCSWCS DRAWING No. SD-1A AND SD-1B.
- INSTALL A CONCRETE COLLAR PER DCSWCS DRAWING No. SD-4.
- TRENCH SECTION PER DCSWCS DRAWING No. SD-18.
- INSTALL NEW SANITARY SEWER MAIN UNDER EXISTING WATER LATERAL PER DCSWCS DRAWING No. SD-21.
- INSTALL A STANDARD 72" PRECAST MANHOLE PER DCSWCS DRAWING No. SD-1A AND SD-1B.
- INSTALL A LOCKING MANHOLE COVER PER DCSWCS DRAWING No. SD-3.
- INSTALL 24" C905 WATER QUALITY PIPE, PIPE TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND REQUIREMENTS FOR DEEP INSTALLATION.
- INSTALL 24" SS ULTRA CORR/ULTRA RIB PIPE USING A CLASS 1B (ASTM BEDDING CLASSIFICATION) BEDDING. PIPE TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND REQUIREMENTS FOR DEEP INSTALLATION.
- INSTALL A SPECIAL MANHOLE PER DETAIL ON SHEET C4.15, H20 RATED.
- CONSTRUCT A STANDARD 60" PRECAST MANHOLE PER DCSWCS DRAWING No. SD-1A AND SD-1B.
- TRENCH SECTION PER DCSWCS DWG. No. SD-18. COMPACT TO 95% MIN. DENSITY.

CONSTRUCTION NOTES

- SAWCUT EXISTING AC PAVEMENT AND RESTORE PER CCAUSD No. 500 AND TRENCH PER CCAUSD No. 503 AND DCSWCS STANDARDS.
 - CONTRACTOR TO REPLACE ALL OBLITERATED STRIPING, INSTALL NEW 4" WHITE EDGE LINE 2' FROM EDGE OF NEW PAVEMENT.
 - APPROXIMATE LIMITS OF SAWCUT.
 - REPLACE MEDIAN ISLAND PER CCAUSD DRAWING No. 218.
 - FINAL LIMITS OF TRENCH SECTION AND ROTOMILL TO BE DETERMINED BY CITY OF LAS VEGAS INSPECTOR.
 - CONTRACTOR TO RESTORE DRAINAGE SWALE AND FLOWLINE UPON COMPLETION OF CONSTRUCTION ACTIVITIES.
 - PROTECT IN PLACE.
- REMOVE AND REPLACE EXISTING AC WITH AC SECTION ON C4.00. ALL TRENCHING AND PAVEMENT RESTORATION SHALL BE PER CCAUSD 500 AND 503.

*Sewer As-Builts
 Tand Inc
 Oahu
 10-1-13*

*24" C-900 sewer pipe
 by North America Pipe Corp*

** Void between 24" C-900 & 42" casing was filled w/ clsm
 * Spacers on the 24" C-900 sewer pipe was by Power Seal*

BASIS OF BEARING

NORTH 00°09'54" WEST, BEING THE BEARING OF THE WEST LINE OF THE EAST HALF (1/2) OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 36, TOWNSHIP 19 SOUTH, RANGE 59 EAST, AS SHOWN ON A MAP ON FILE IN THE CLARK COUNTY, NEVADA RECORDER'S OFFICE AS FILE 89, PAGE 3 OF SURVEYS.

BENCHMARK

CITY OF LAS VEGAS BENCHMARK 51V93 3616
 A RIVET AND PLATE IN A FENCE POST BASE AT THE SOUTHWEST CORNER OF ALPINE RIDGE AND HAMMER LANE
 ELEVATION = 2891.24 FEET (869.059 METERS) NAVD 1988 DATUM

PROFILE

SCALE: 1"=30' HORIZ
 1"=6' VERT.

APPROVED FOR CONSTRUCTION

D.M. Cooney
 LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT NO. 116879 DATE 12/01/11