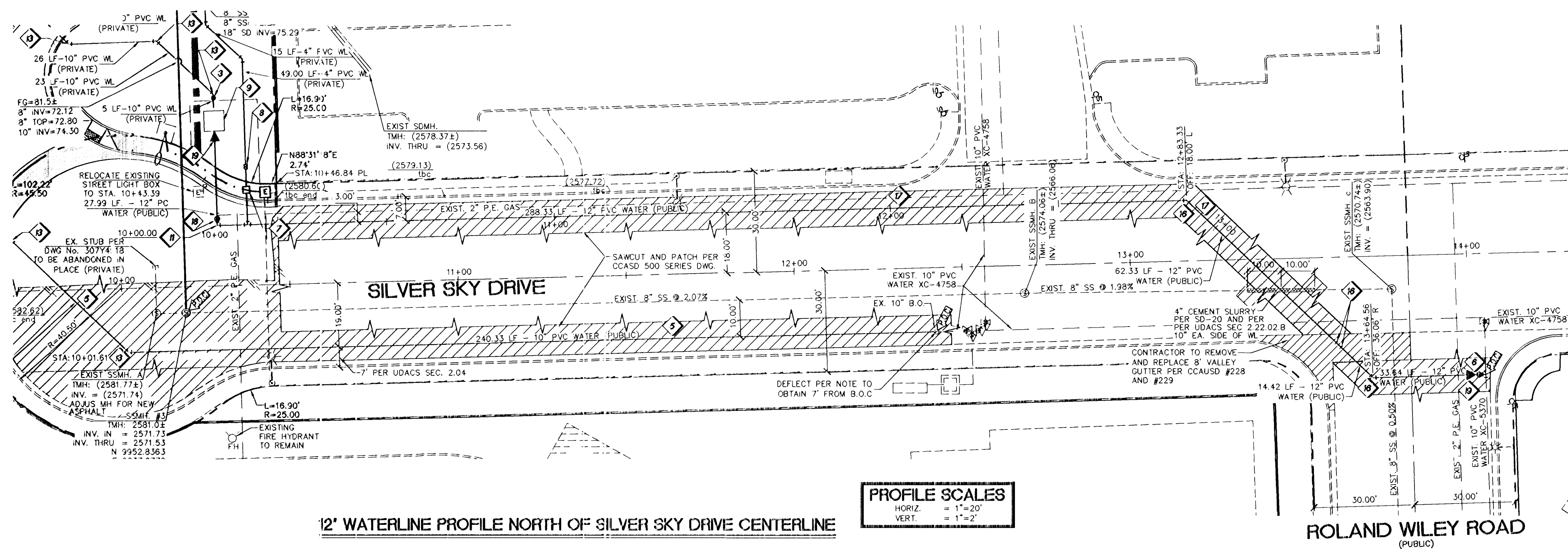
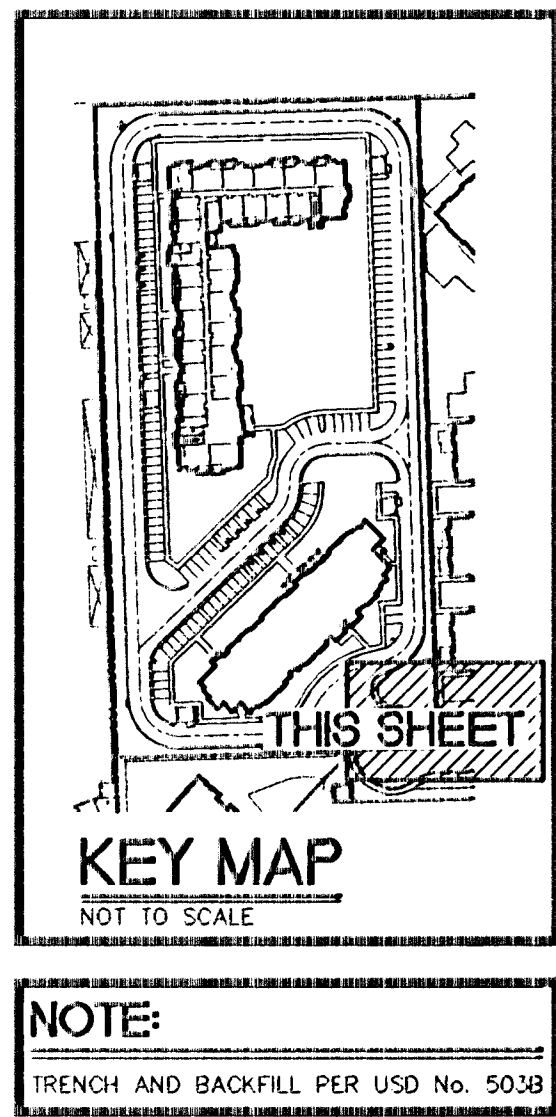
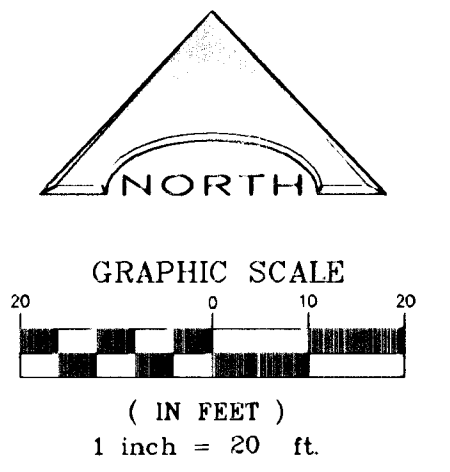




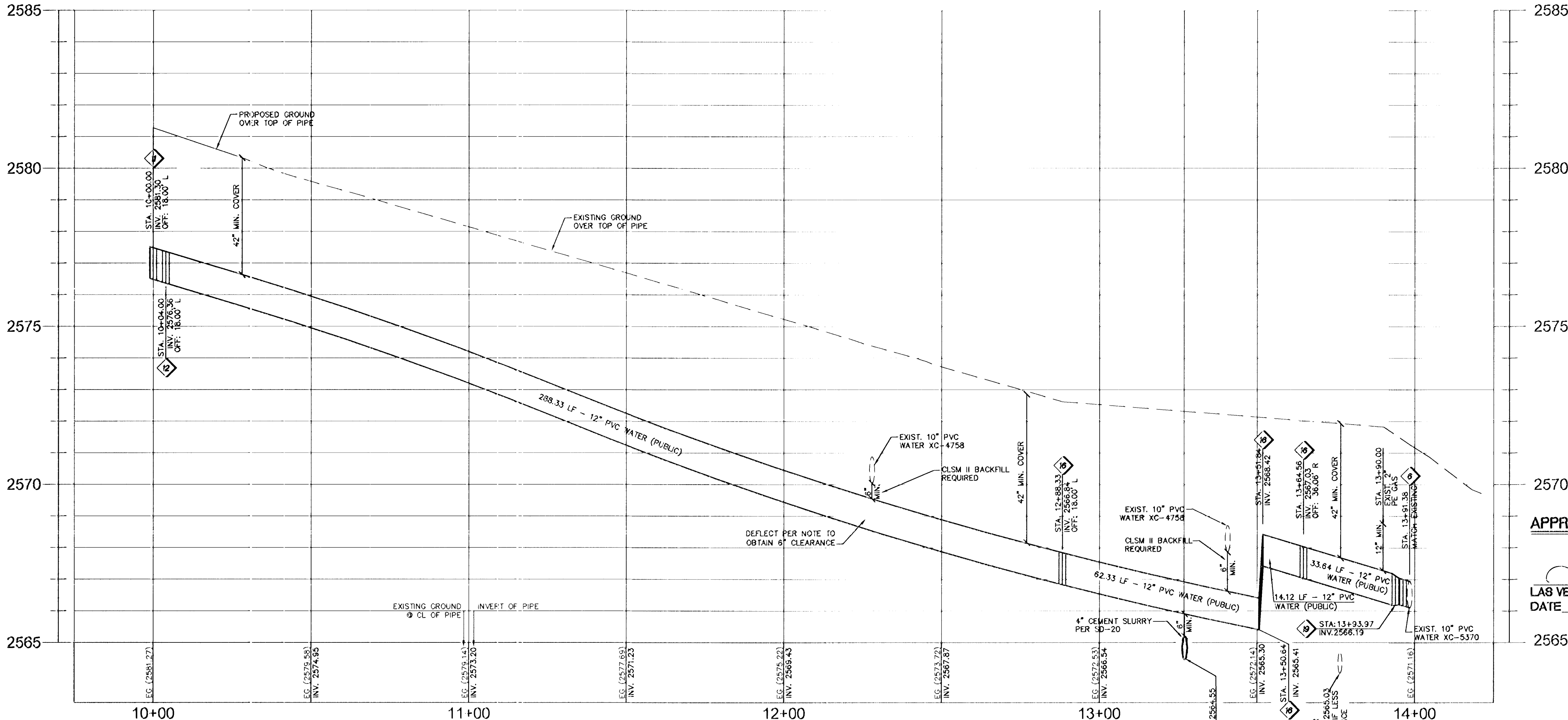
BASIS OF BEARING
NORTH 88°31'18" EAST, BEING THE BEARING OF THE SOUTH LINE OF THE NORTHWEST QUARTER (NW 1/4) OF THE SOUTHEAST QUARTER (SE 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 28, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., AS SHOWN ON A MAP ON FILE IN THE CLARK COUNTY, NEVADA RECORDER'S OFFICE, AS FILE 109, PAGE 2 OF PARCEL MAPS.

BENCHMARK
FOUND RIVET AND PLATE IN THE TOP OF CURB AT THE NW CORNER OF WESTCLIFF AND CIMARRON
#309 0LV00 2854
777.844 (m) 2551.98 (ft)



12' WATERLINE PROFILE NORTH OF SILVER SKY DRIVE CENTERLINE

PROFILE SCALES
HORIZ. = 1"=20'
VERT. = 1"=2'



- WATER CONSTRUCTION NOTES**
1. INSTALL FIRE HYDRANT ASSEMBLY (INCL. TEE, VALVE, LATERAL, RISER, THURST BLOCKS, AND ALL ASSORTED HARDWARE) PER UDACS PLATE 40
 2. INSTALL BLUE REFLECTIVE RAISED PAVEMENT MARKERS AT FIRE HYDRANTS
 3. INSTALL 10" GATE VALVE UDACS PLATE 30 & 39
 4. INSTALL 4" 90° BEND
 5. INSTALL 10" PVC DOMESTIC WATER PROVIDE 42" COVER ABOVE TOP OF PIPE BASED ON FG UDACS 17 & 19
 6. INSTALL 10" TAPPING SLEEVE AND 10" TAPPING VALVE PER UDACS PLATE 34 SECTION 2.24.01A
 7. INSTALL 2" METER UDACS PLATE 4
 8. INSTALL 2" RPPA UDACS PLATE 8
 9. INSTALL 10" RPPA UDACS PLATE 59 MUST USE WATTS, 909 MODEL
 10. INSTALL 10"x10" TEE UDACS PLATE 31
 11. INSTALL 12" 90° BEND UDACS PLATE 31
 12. INSTALL 2" SERVICE SADDLE PER UDACS PLT 4
 13. INSTALL 10" 45° BEND UDACS PLATE 31
 14. INSTALL 10"x8" TEE UDACS PLATE 31
 15. INSTALL 6" PVC FIRE WATER PROVIDE 42" COVER ABOVE TOP OF PIPE BASED ON FG UDACS 17 & 19
 16. INSTALL 12" 45° BEND UDACS PLATE 31
 17. INSTALL 12" PVC DOMESTIC WATER PROVIDE 42" COVER ABOVE TOP OF PIPE BASED ON FG UDACS 17 & 19
 18. INSTALL 12" GATE VALVE UDACS PLATE 30 & 39
 19. INSTALL 12"x10" REDUCER UDACS PLATE 30
 20. INSTALL WATER CROSSING PER DETAIL 16 SHEET 7 AND PER UDACS PLATE 22 AND 23
 21. INSTALL 10"x8" TEE UDACS PLATE 31

NOTE:

1. ALL ABOVE GROUND UTILITY APPURTENANCES SHALL CONFORM TO THE REQUIREMENTS OF TITLE 19.08.010
2. INSTALL PIPELINE MARKER BALLS IN TRENCH ABOVE EACH HORIZONTAL ELBOW FITTING, PER UDACS PLATE No. 15.
3. ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.22 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSINGS AND CLEARANCES.

APPROVAL

Dr. H. H. H.
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
DATE 8/26/13 PROJECT No. 117341

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.
Call 811
1-800-227-2600
CLARK COUNTY TRAFFIC OPERATIONS
1-702-455-7544

Avoid overhead power line contact
Call before you Dig
1-702-227-2929
NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

Avoid hitting underground utility lines and street light system components. It's costly.
Call before you Dig
1-702-455-7511
CLARK COUNTY TRAFFIC OPERATIONS
1-702-432-5300
LAS VEGAS AREA COMPUTERIZED TRAFFIC SYSTEM

WATER MAIN JOINT DEFLECTION (PVC, 4"-24")
PVC PIPE SHALL BE DEFLECTED AT THE JOINT ONLY. THE MAXIMUM ALLOWABLE DEFLECTION SHALL BE ONE (1) DEGREE PER JOINT WITH A MINIMUM RADIUS OF CURVATURE OF 1150 FEET. PER UDACS 2.07.01 AND 2.07.02. FOR CHANGES IN DIRECTION EXCEEDING THE MAXIMUM ALLOWABLE JOINT DEFLECTION, FITTINGS SHALL BE USED.

NEVADA HAND.
295 EAST WARM SPRINGS ROAD SUITE 101
LAS VEGAS, NEVADA 89119-4212
TEL (702) 738-3345 CONTACT: ROBERT PETERMAN

L.R. NELSON CONSULTING ENGINEERS, INC.
6765 West Russell Road Suite 200
Las Vegas, NV 89118
(702) 738-7200
(702) 431-2296 FAX

OFFSITE WATER LINE PLAN and PROFILE 2

WESTCLIFF PINES 2
ROLAND WILEY ROAD and SILVER SKY DRIVE
CITY OF LAS VEGAS

APPRO. BY DATE
DESIGNED BY: TP
CHECKED BY: RT
PROJECT NO: 818-021-113
SCALE: 1"= 20'

SEAL
HARON R. HARKINS
EXP 8/30/13
CIVIL
117341

SHEET PP2
11 of 20 SHEETS
CLV DRAWING NO. 10745262-2