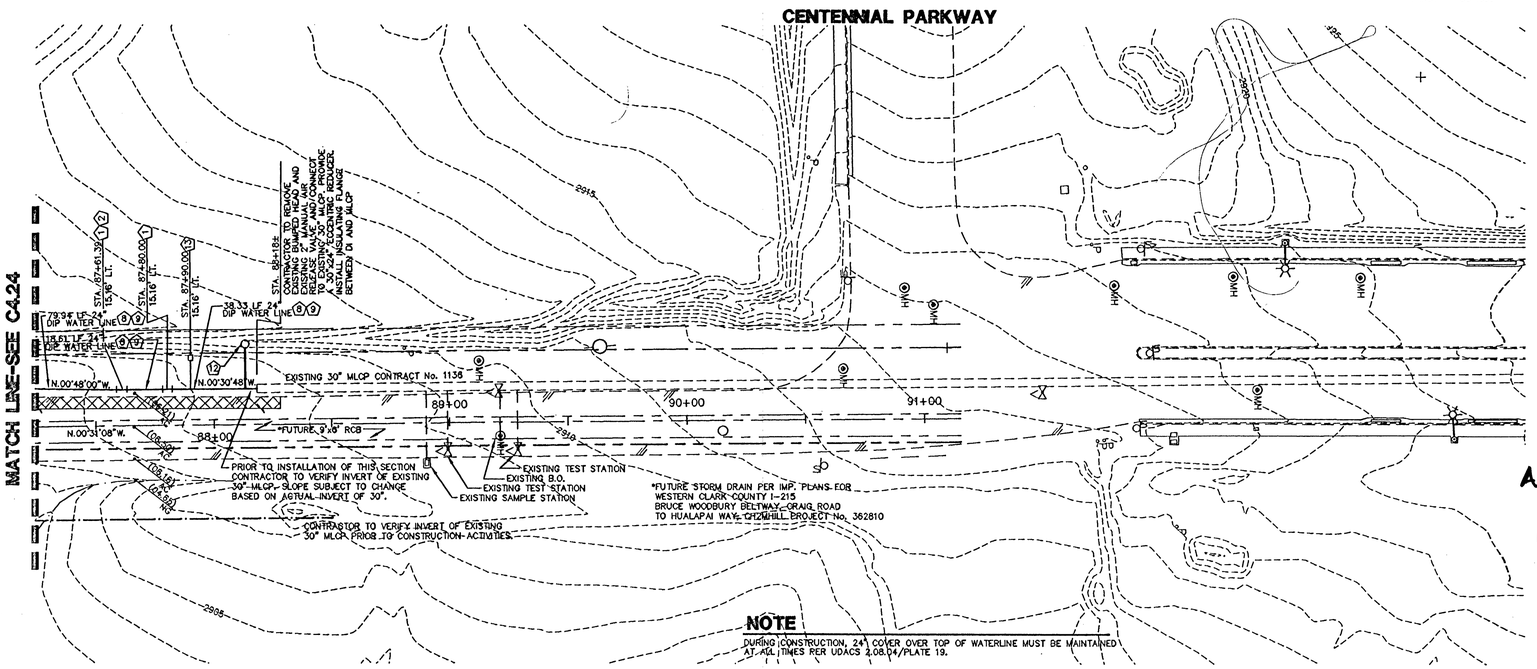


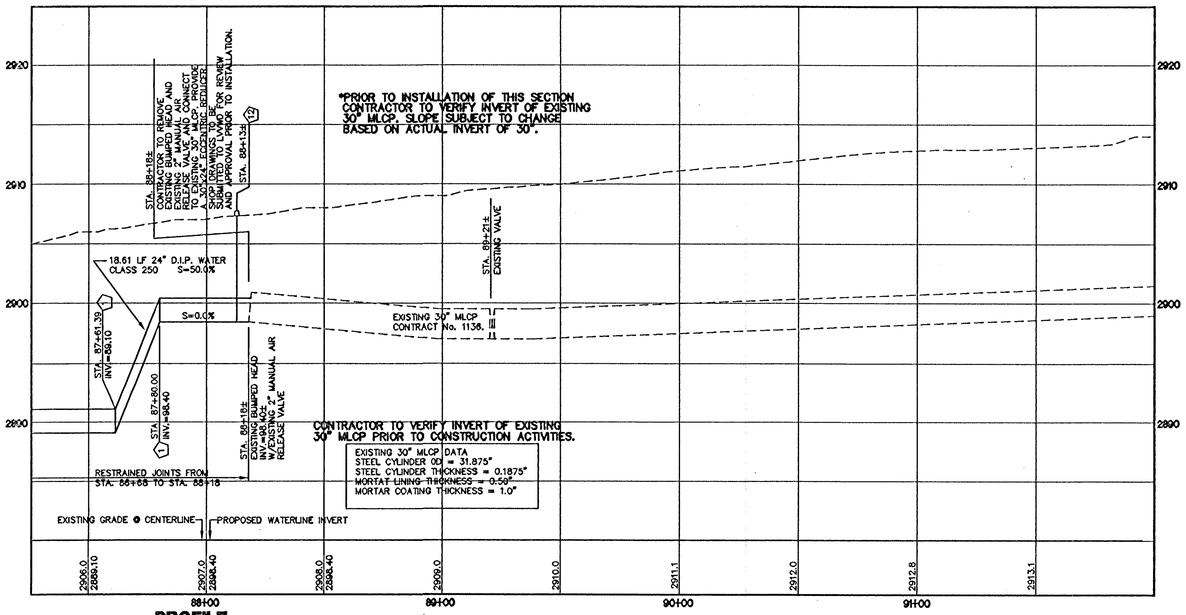
As-Builts
Trad Inc
Date
10-1-13

NOTE
DURING CONSTRUCTION, 24" COVER OVER TOP OF WATERLINE MUST BE MAINTAINED AT ALL TIMES PER UDACS 2.08.04/PLATE 19.

SHAUMBER ROAD-STA. 87+25 TO STA. 91+00

SCALE: 1"=30' HORIZ

NOTE
REFER TO SHEET C2.14 THRU C2.15 FOR R/W, PATENT AND CONSTRUCTION EASEMENT INFORMATION.



PROFILE

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

NOTE
THE DISTRICT CANNOT GUARANTEE A WATERTIGHT SHUTDOWN WHERE CONNECTIONS OR REPAIRS TO EXISTING FACILITIES ARE REQUIRED. THE CONTRACTOR SHALL ENSURE ALL LABOR AND EQUIPMENT IS AVAILABLE TO REMOVE FUGITIVE WATER THAT MAY IMPEDE CONSTRUCTION AT ALL TIMES. COORDINATION WITH INSPECTION DIVISION MUST TAKE PLACE PRIOR TO ANY TRIAL SHUTDOWN.
CONTRACTOR TO INSTALL TEMPORARY SERVICE TO ENSURE PROPER SHUTDOWN IN THE EVENT NO OTHER APPURTENANCES ARE AVAILABLE.

WATER MAIN NOTE

DUCTILE IRON PIPE SHALL BE INSTALLED IN ACCORDANCE WITH AWWA C600, "INSTALLATION OF DUCTILE IRON WATER MAINS AND THEIR APPURTENANCES," AND THE MANUFACTURER'S RECOMMENDATIONS.

OVERSIZING DATA
AGREEMENT No.
STA. 23+14 TO STA. 88+18
OVERSIZED FROM 16" TO 24"

OFFSITE WATER KEY NOTES

NOT ALL ITEMS ARE USED ON THIS SHEET

1. INSTALL 24"-22.5° BEND.
2. DEFLECT PIPE JOINT HORIZONTALLY 1.5° MAX. PER UDACS 2.07.03.
3. INSTALL 24"x12" TEE.
4. INSTALL 24" CAP & 2" BLOWOFF PER UDACS PLATE No. 36.
5. INSTALL 24" RESILIENT WEDGE GATE VALVE PER DETAIL, SHEET C6.02
6. INSTALL 24"-11.25° BEND.
7. INSTALL BLOW-OFF ASSEMBLY PER DETAIL, SHEET C6.02.
8. INSTALL PIPE LOCATOR PER DETAIL 1 ON SHEET C6.04.
9. INSTALL PIPE IN TRENCH PER DETAIL 2 ON SHEET C6.04.
10. INSTALL PIPE IN TRENCH PER DETAIL 3 ON SHEET C6.04.
11. INSTALL CASING PER UDACS PLATE 22 AND 23.
12. INSTALL AIR VALVE ASSEMBLY PER DETAIL, SHEET C6.03.
13. INSTALL CATHODIC PROTECTION TEST STATION PER DETAILS, SHEET C6.05
14. INSTALL 24"-45° BEND, ROLL DOWN TO ACHIEVE BOTH VERTICAL ANGLE AND HORIZONTAL ANGLE.
15. DEFLECT PIPE JOINT VERTICALLY 1.5° MAX. PER UDACS 2.07.03.

FOR ALL MATERIALS NOT ON THE APPROVED PRODUCTS LIST, SHOP DRAWINGS FOR ALL DUCTILE IRON PRESSURE PIPE (DIP), FITTINGS, ACCESSORIES, AND APPURTENANCES SHALL BE SUBMITTED TO THE LAS VEGAS VALLEY WATER DISTRICT, ENGINEERING SERVICES DIVISION, FOR REVIEW AND APPROVAL.

WATER MAIN JOINT DEFLECTION (DIP 24")

DIP PIPE SHALL BE DEFLECTED AT THE JOINT ONLY. THE MAXIMUM ALLOWABLE DEFLECTION SHALL BE ONE AND A HALF (1.5) DEGREE PER JOINT WITH A MINIMUM RADIUS OF CURVATURE OF 765 FEET, PER UDACS 2.07.03.
FOR CHANGES IN DIRECTION EXCEEDING THE MAXIMUM ALLOWABLE JOINT DEFLECTION, FITTINGS SHALL BE USED.

APPROVED FOR CONSTRUCTION

Eric Crowley
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
PROJECT NO. 116679 DATE 12/01/11

H41249

REVISIONS

REV	DESCRIPTION	DATE	BY

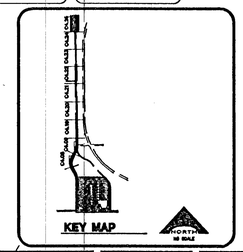
DISCLAIMER NOTE

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

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

AVOID DIGGING UNDERGROUND ELECTRIC SIGNAL SYSTEMS AND STREET LIGHT SYSTEM CIRCUITS IT'S COSTLY!
CALL BEFORE YOU DIG UNDERGROUND
Call before you Underground
1-702-455-7311
CLARK COUNTY TRAFFIC OPERATIONS
1-702-258-8811
LAS VEGAS AREA COMPUTERIZED TRAFFIC SYSTEM



SEAL
STATE OF NEVADA
VERNON R. HARKINS
EXP 6/30/13
CIVIL
No. 009898
7/14/11

OCSD PROJECT NO. 13-63
OCSD REVIEW
APPROVED BY
DATE
DATE OCTOBER 31, 2011
DRAWN BY
CHECKED BY
SUBMITTAL
A/E PROJECT NO. 03-516

L. R. NELSON CONSULTING ENGINEERS, INC.
CIVIL STRUCTURAL SURVEY PLANNING
6705 West Desert Inn Road, Suite 200 88118
Las Vegas, Nevada
(702) 798-7978
(702) 451-2266 FAX

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Las Vegas, Nevada 89148
702.367.6900
1701 Directors Boulevard, Suite 770
Austin, Texas 78744
512.441.8200
www.KGAarchitecture.com
LAS VEGAS AUSTIN

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

PROJECT
CCSD NORTHWEST SATELLITE TRANSPORTATION FACILITY

DRAWING TITLE
PLAN AND PROFILE-OFFSITE WATER

SHEET NO.
C4.25
SHEET 54 OF 83

CLV #41249 7/5-188
HTE #11-19927

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