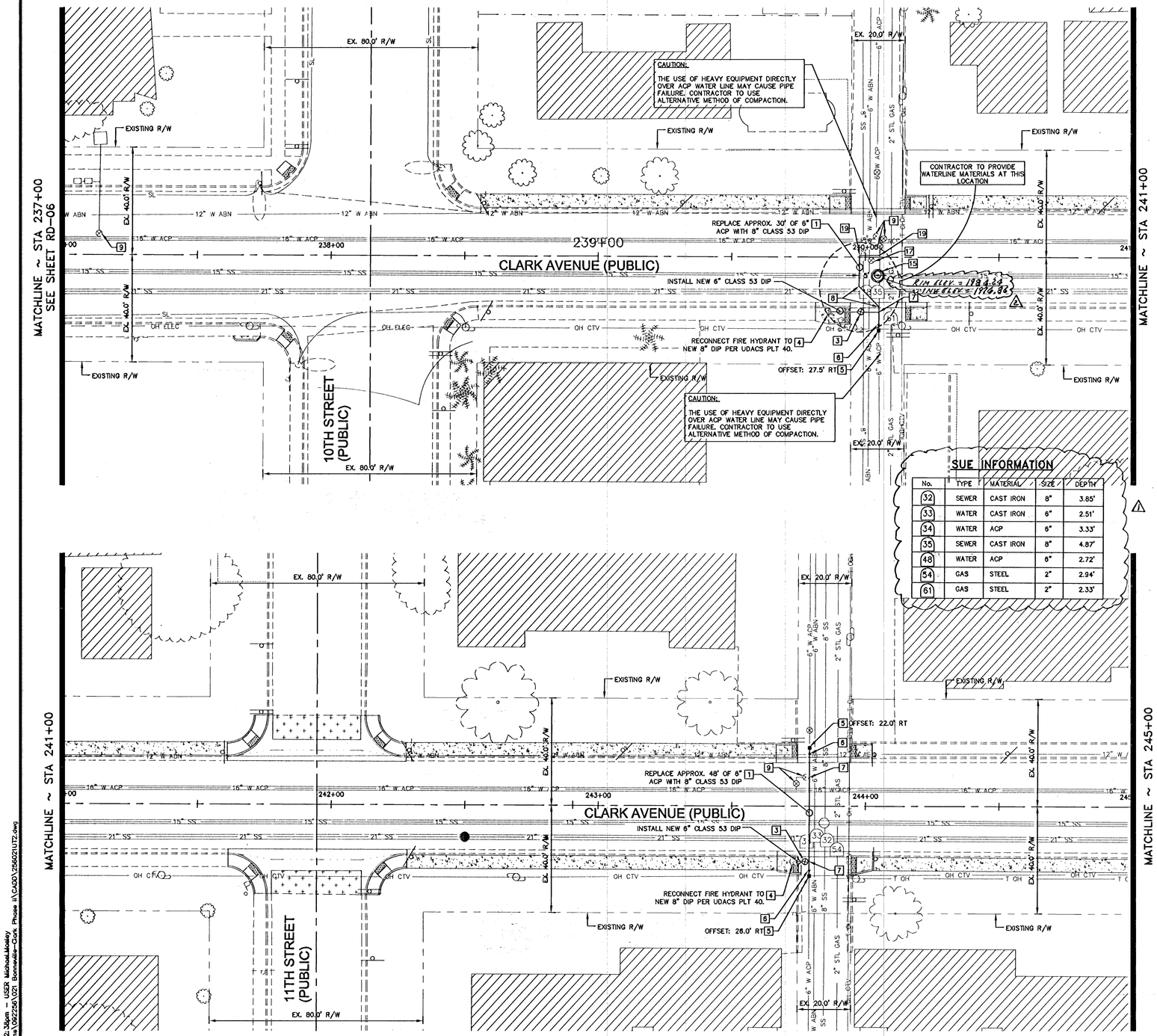
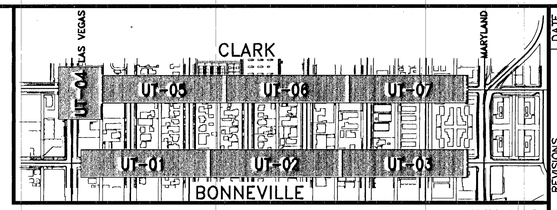


SUE INFORMATION

No.	TYPE	MATERIAL	SIZE	DEPTH
32	SEWER	CAST IRON	8"	3.85'
33	WATER	CAST IRON	6"	2.51'
34	WATER	ACP	6"	3.33'
35	SEWER	CAST IRON	8"	4.87'
48	WATER	ACP	6"	2.72'
54	GAS	STEEL	2"	2.94'
61	GAS	STEEL	2"	2.33'



KEY MAP
NTS

CONSTRUCTION NOTES

1. REMOVE EXISTING ACP AND REPLACE WITH 8" DIP
2. INSTALL 8" GATE VALVE PER UDACS PLT 30 AND 39
3. REMOVE EXISTING GATE VALVE AND REPLACE WITH NEW GATE VALVE PER UDACS PLT 30 AND 39
4. PROTECT IN PLACE EXISTING FIRE HYDRANT. ADJUST TO FINISH GRADE IF NEEDED PER UDACS PLT 40
5. INSTALL TRANSITION COUPLING PER PLT 30, SEE SHEET UT-08 FOR DETAIL
6. INSTALL 8"X6" REDUCER PER PLT 30
7. INSTALL TEE PER UDACS PLT 31
8. INSTALL 45° BEND PER UDACS PLT 31
9. ADJUST VALVE TO FINISH GRADE PER UDACS PLT 39, VALVE SHALL BE ACCESSIBLE AT ALL TIMES
10. INSTALL NEW 8-INCH C-900 SEWER PIPE REPLACEMENT WITH COUPLING AT STORM DRAIN CROSSING PER DCSWCS DETAIL SD-20, SEE SHEET UT-08
11. INSTALL NEW 10-INCH C-900 SEWER PIPE REPLACEMENT WITH COUPLING AT STORM DRAIN CROSSING PER DCSWCS DETAIL SD-20, SEE SHEET UT-08
12. INSTALL NEW 12-INCH C-900 SEWER PIPE REPLACEMENT WITH COUPLING AT STORM DRAIN CROSSING PER DCSWCS DETAIL SD-20, SEE SHEET UT-08
13. INSTALL FIRE HYDRANT PROTECTION BOLLARD PER UDACS PLT 75
14. REPLACE METER BOX
15. REMOVE AND REPLACE EXISTING BRICK MANHOLE WITH A CONCRETE MANHOLE PER DETAIL SD-1A AND SD-1B OF THE DCSWCS. INSTALL MANHOLE COVER AND FRAME PER DETAIL SD-3 OF THE DCSWCS
16. REMOVE AND REPLACE EXISTING BRICK MANHOLE WITH CONCRETE, T-LOCKED, DROP MANHOLE PER DETAIL SD-12 OF DCSWCS
17. ABANDON EXISTING GATE VALVE PER NOTE ON SHEET UT-05
18. EXISTING FIRE HYDRANT TO BE REINSTALLED PER UDACS PLT 40
19. INSTALL 90 DEGREE BEND PER UDACS PLT 31

WATER LINE DEPTH

1. NEW DUCTILE IRON PIPE WATERLINES TO BE INSTALLED AT MINIMUM DEPTH OF 5.2' MEASURED TO INVERT OF PIPE.

GENERAL NOTES

1. ALL STATIONS AND OFFSETS ARE BASED ON CONTROL LINE.
2. ELEVATIONS, OFFSETS AND GRADES ARE AT BACK OF CURB UNLESS OTHERWISE NOTED.
3. SEE HC SHEETS FOR CENTER LINE INFORMATION, BENCHMARK, AND BASIS OF BEARING.
4. ALL EXISTING UTILITY LOCATIONS SHOWN HEREIN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.
5. CONTRACTOR TO FIELD VERIFY EXISTING SANITARY SEWER AND STORM DRAIN INVERT ELEVATIONS PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
6. ALL MANHOLES, VALVES, VAULTS, ETC. LOCATED WITHIN THE LIMITS OF CONSTRUCTION SHALL BE ADJUSTED TO FINISHED GRADE.
7. ALL ACP IN ALLEY-WAYS CROSSING THE PROPOSED WORK AREA IS TO BE REPLACED 5 FT. MIN. BEYOND THE PROPOSED PAVING AREA, UNLESS OTHERWISE INDICATED.

BASIS OF BEARING

THE BASIS OF BEARINGS FOR THIS SURVEY IS GRID NORTH AS DEFINED BY THE NORTH AMERICAN DATUM OF 1983 (NAD 83), NEVADA STATE PLANE EAST (2701) ZONE. SAID BEARINGS WERE DETERMINED BY STATIC GLOBAL POSITIONING SYSTEM (GPS) MEASUREMENTS PROCESSED BY THE NATIONAL GEODETIC SURVEY DIVISION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION USING THE ON-LINE POSITIONING USER SERVICE (OPUS). THE REFERENCE FRAME USED WAS NAD83 (CORS96) WITH AN EPOCH OF 2002.0000. ALL DISTANCES SHOWN HEREON ARE GROUND VALUES.

BENCHMARK

CITY OF LAS VEGAS VERTICAL CONTROL POINT "6C01 34SW6", BEING A RIVET & PLATE IN TOP OF CURB ON THE EAST SIDE OF MAIN BETWEEN BONNEVILLE & GARCES ✪ LIGHT POLE.

ELEVATION: 2027.08 (FEET)
517.8544 (METERS)

CITY OF LAS VEGAS VERTICAL CONTROL DATED 08/2002 BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
DATE 9-26-12 PROJECT No. 116854 ESN 018

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)

CALL SOUTHWEST GAS at 365-2298 for Standby when excavating over or near HIGH PRESSURE GAS LINES

811 know what's below Call before you dig 1-702-227-2929

SAFETY ALERT Call Before You Overhead

Call before you UnderGround 1-702-432-5300

REVISIONS	DATE
ADDED SUE INFORMATION	10/26/2012
ADDED RIM/INVERT ELEV TO SEWER MH'S	10/26/2012

DATE:
CHECKED BY:
DESIGNED BY:
DRAWN BY:
SCALE (V):
SCALE (H):

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Kimley-Horn and Associates, Inc.
Engineering, Planning, and Environmental Consultants
2080 E. Flamingo Road, Suite 210, Las Vegas, NV 89119
PH. (702) 734-5666
FAX (702) 735-4949

CITY OF LAS VEGAS NEVADA

DEPARTMENT OF PUBLIC WORKS

PROJECT: BONNEVILLE/CLARK ONEWAY COUPLET PHASE II IMPROVEMENT PLANS

SHEET: CLARK AVENUE UTILITY IMPROVEMENT PLAN

PETER N. MEYERHOFER — Exp: 12/31/13 — CIVIL — No. 18093 — STATE OF NEVADA — PROFESSIONAL ENGINEER

9/26/12

SHEET NO. UT-07
SHEET 41 OF 47
DRAWING NO. 107V5541

DE-STP-0003(180)

Sep 20, 2012 - 2:36pm - USER Michael.Mosley
K:\LAV_Public Fronts\092256\021 Bonneville-Clark Phase II\CAD\D256021UT2.dwg