

- 1 INSTALL CAP & 2" MANUAL BLOW-OFF ASSEMBLY PER UDACS PLATE No 4A
- 2 INSTALL 12" x 10" REDUCER PER UDACS PLATE No 3
- 3 INSTALL 10" x 8" REDUCER PER UDACS PLATE No 3
- 4 INSTALL 12" x 12" MECHANICAL JOINT TAPPING SLEEVE WITH 12" TAPPING VALVE PER UDACS PLATE No 22
- 5 INSTALL 12" TEE PER UDACS PLATE No 5
- 6 INSTALL 12" x 8" TEE PER UDACS PLATE No 5
- 7 INSTALL 10" x 8" TEE PER UDACS PLATE No 5
- 8 INSTALL 10" x 6" TEE PER UDACS PLATE No 5
- 9 INSTALL 12" GATE VALVE PER UDACS PLATE No 3 & 8
- 10 INSTALL 10" GATE VALVE PER UDACS PLATE No 3 & 8
- 11 INSTALL 8" GATE VALVE PER UDACS PLATE No 3 & 8
- 12 INSTALL 6" GATE VALVE PER UDACS PLATE No 3 & 8
- 13 INSTALL 10" 90° BEND PER UDACS PLATE No 5

|    |                                                                                                                               |
|----|-------------------------------------------------------------------------------------------------------------------------------|
| 14 | INSTALL 12" 45° VERTICAL BEND PER UDACS PLATE No. 5<br>(45° BENDS SHALL HAVE ANCHOR & TRUST BLOCKS PER<br>UDACS PLATE No. 15) |
| 15 | INSTALL 12" 11 25° BEND PER UDACS PLATE No. 5                                                                                 |
| 16 | INSTALL 10" 11 25° BEND PER UDACS PLATE No. 5                                                                                 |
| 17 | INSTALL 10" 5° BEND PER UDACS PLATE No. 5                                                                                     |
| 18 | INSTALL VERTICAL BEND AT PIPE JOINT DEFLECTION ANGLE<br>PER PROFILE                                                           |
| 19 | INSTALL FIRE HYDRANT PER UDACS PLATE No. 7                                                                                    |
| 20 | INSTALL (2) 4" PVC SLEEVES FOR IRRIGATION, 2" MIN. COV.<br>(LENGTH PER PLAN)                                                  |
| 21 | SAW CUT & BACKFILL AREA PER STD. DWG. #504 & UDACS<br>PLATE No. 6C                                                            |

**NOTE: INSTALL PIPELINE MARKER BALLS IN TRENCH ABOVE EACH  
HORIZONTAL ELBOW FITTING PER UDACS PLATE No. 22.**

NOTE: INSTALL PIPELINE MARKER BALLS IN TRENCH ABOVE EACH HORIZONTAL ELBOW FITTING PER UDACS PLATE No. 27

1 ALL DIMENSIONS TO UTILITIES (PLAN VIEW) ARE TO CENTERLINE  
2 OF PIPE UNLESS INDICATED OTHERWISE.

3 CONTRACTOR SHALL VERIFY HORIZONTAL & VERTICAL ALIGNMENT  
4 OF EXISTING UTILITIES AND TO NOTIFY ENGINEER IMMEDIATELY OF  
5 ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

6 THE WATER LINE PROFILED ON THIS SHEET IS FROM THE 2538  
7 PRESSURE ZONE. THERE IS A PROPOSED 10" WATER LINE IN  
8 DEER SPRINGS WAY THAT IS AN EXTENSION OF THE 2635  
9 PRESSURE ZONE. CONTRACTOR IS NOT TO CONNECT THE TWO  
10 PRESSURE ZONES UNDER ANY CIRCUMSTANCES.

11 ENGINEER TO BE NOTIFIED OF ANY DISCREPANCIES IMMEDIATELY.

12 A TWENTY-FOUR (24) INCH MINIMUM DEPTH OF COVER MUST  
13 BE MAINTAINED DURING CONSTRUCTION.

14 THESE PLANS SHALL NOT, IN PART OR IN WHOLE, BE USED FOR  
15 CONSTRUCTION UNLESS APPROVED AND SIGNED BY THE GOVERNING  
16 AGENCIES.

THE WATER PLANS SHOW ONE OR MORE VALVED OUTLETS EXTENDING OUT OF PAVED AREAS. INSTALLATION OF THESE OUTLETS IS ACCEPTABLE, HOWEVER, IF THE OUTLETS ARE INCORRECTLY LOCATED OR NOT USED FOR ANY REASON WHEN THE PROPERTY IS ACTUALLY DEVELOPED, THE DEVELOPER SHALL ABANDON THE OUTLETS AT THE CONNECTION TO THE ACTIVE MAIN IN ACCORDANCE WITH THE DISTRICT'S STANDARDS, AND AT THE DEVELOPER'S EXPENSE. APPROVAL OF THE VALVED OUTLET DOES NOT PROVIDE OR IMPLY A WATER COMMITMENT

PROTECT WATERLINES IN PLACE WHEREVER A WATERLINE IS ABOVE A STORM DRAIN OR SEWER WHERE COMPACTION REQUIREMENTS UNDER A WATERLINE CANNOT BE MET, BACKFILL TRENCH WITH CLASS 1 / CLASS CONTROLLED LOW STRENGTH MATERIAL (CLSM) TO THE SPRINGLINE OF THE WATERLINE. THIS REQUIREMENT IS FOR STRUCTURAL SUPPORT ONLY. ADDITIONAL HEALTH REGULATIONS MAY APPLY PER DURS 2.10

PUBLIC HYDRANTS ARE TO BE PAINTED "YELLOW" PRIVATE HYDRANTS ARE TO BE PAINTED "RED"

EW101

EW102

ROSWOOD STREET

DEER SPRINGS WAY

BUFFALO DRIVE

N

THE NORTH LINE OF THE NORTHEAST QUARTER (NE 1/4) OF THE  
NORTHEAST QUARTER (NE 1/4) OF SECTION 21, TOWNSHIP 19 SOUTH,  
RANGE 60 EAST, M.D.M., BEARS **SOUTH 85°49'12" EAST** PER RECORD OF  
SURVEYS, OFFICIAL RECORDS OF CLARK COUNTY, NEVADA

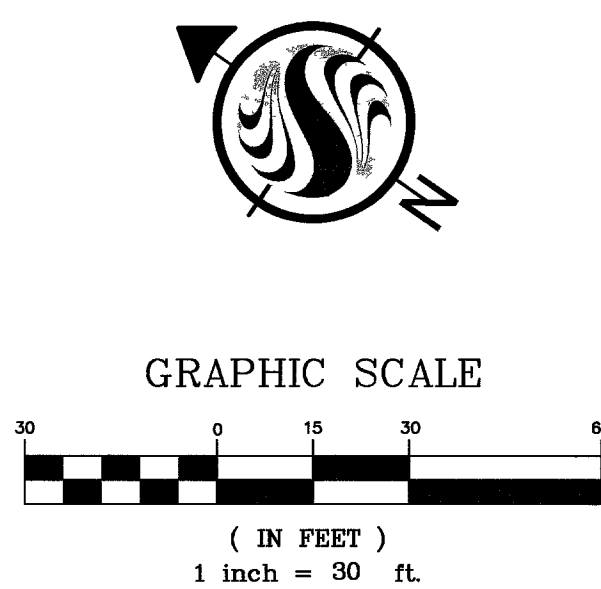
CITY OF LAS VEGAS BENCHMARK STAMPED 0C9028NE6  
RIVET & PLATE IN TOP OF HEADWALL, EAST SIDE OF U  
NEAR MILE MARKER 87.70  
ELEVATION = 730.9287 Meters (NAVD'88)  
ELEVATION = 2398.06 U.S. Survey Feet (NAVD'88)

STANTEC CONSULTING, INC. HAS ENDEAVORED TO PROVIDE ACCURATE UTILITY INFORMATION BASED ON THE MOST CURRENT DATA AVAILABLE. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF UNDERGROUND UTILITIES SHOWN OR NOT SHOWN ON THESE PLANS WITH RESPECT TO LINE AND GRADE PRIOR TO CONSTRUCTION.

USE OF THE INFORMATION CONTAINED IN THIS INSTRUMENT FOR OTHER THAN THE SPECIFIC PURPOSE FOR WHICH IT WAS INTENDED AND FOR OTHER THAN THE CLIENT FOR WHOM IT WAS PREPARED IS FORBIDDEN UNLESS EXPRESSLY PERMITTED IN WRITING IN ADVANCE BY STANTIC CONSULTING, INC. SHALL HAVE NO LIABILITY TO ANY USE OF THIS INFORMATION WITHOUT THEIR WRITTEN CONSENT

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 1,150 FEET, PER UDACS 2.06.01 AND 2.06.02.

ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 219 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSINGS AND CLEARANCES



AVOID CUTTING UNDERGROUND  
UTILITY LINES IT'S COSTLY

**Call  
before you  
Dig.**

**1-800-227-2600**  
UNDERGROUND SERVICE MEN®/USA

AVOID HITTING OVERHEAD  
UTILITY LINES IT'S COSTLY

**Call**  
before you  
**OVERHEAD**

**1-702-227-2929**  
NEVADA POWER ENVIRONMENT AND  
SAFETY SERVICE DEPARTMENT

*[Signature]* 7/7/03  
LAS VEGAS FIRE DEPARTMENT DATE

APPROVAL BY THE FIRE DEPARTMENT IS REQUIRED PRIOR TO OBTAINING  
FINAL APPROVAL FROM THE LVVMD

*[Signature]* 7/19/05  
LAS VEGAS VALLEY WATER DISTRICT DATE  
(SHEETS CVO01, NTR01, NTR02, EW0101, EW0102, & EW0103)

LVVMD PROJECT #H110825



## REVISIONS

CONSULTANT

7251 W CHARLESTON BLVD  
LAS VEGAS, NEVADA 89117  
PHONE (702) 258-0115  
FAX (702) 258-4956

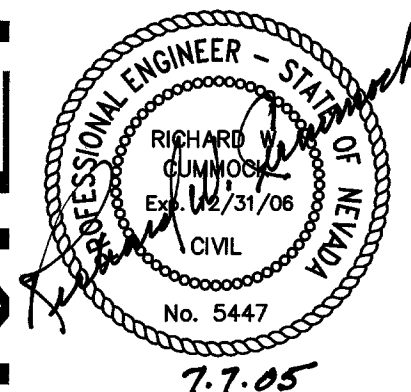
**tec**



# Stantec

DEER SPRINGS WAY  
REALIGNMENT IMPROVEMENTS  
ROSWOOD STREET TO BUFFALO DRIVE)

2538 PZ WATER SYSTEM PLAN & PROFILE  
(STA: 18+50.00 - STA: 25+50.00)

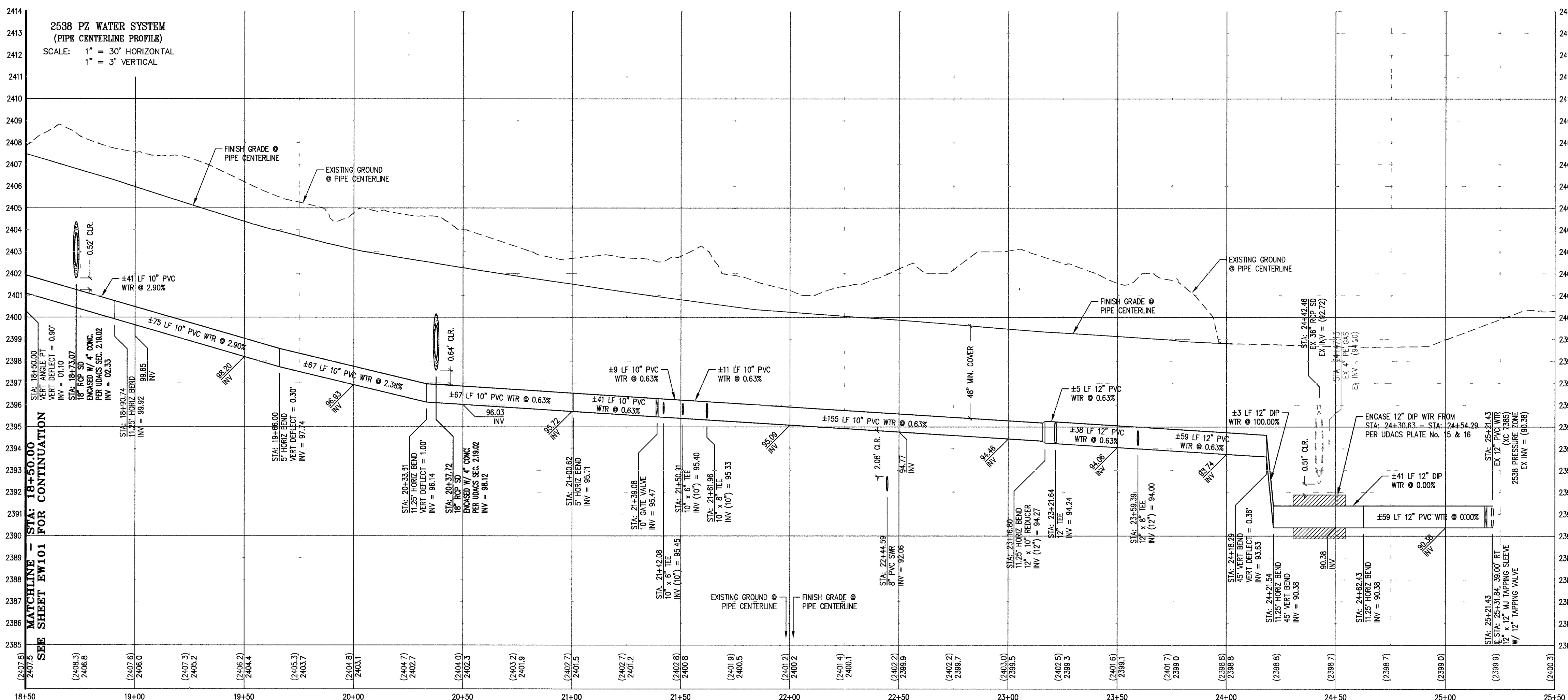
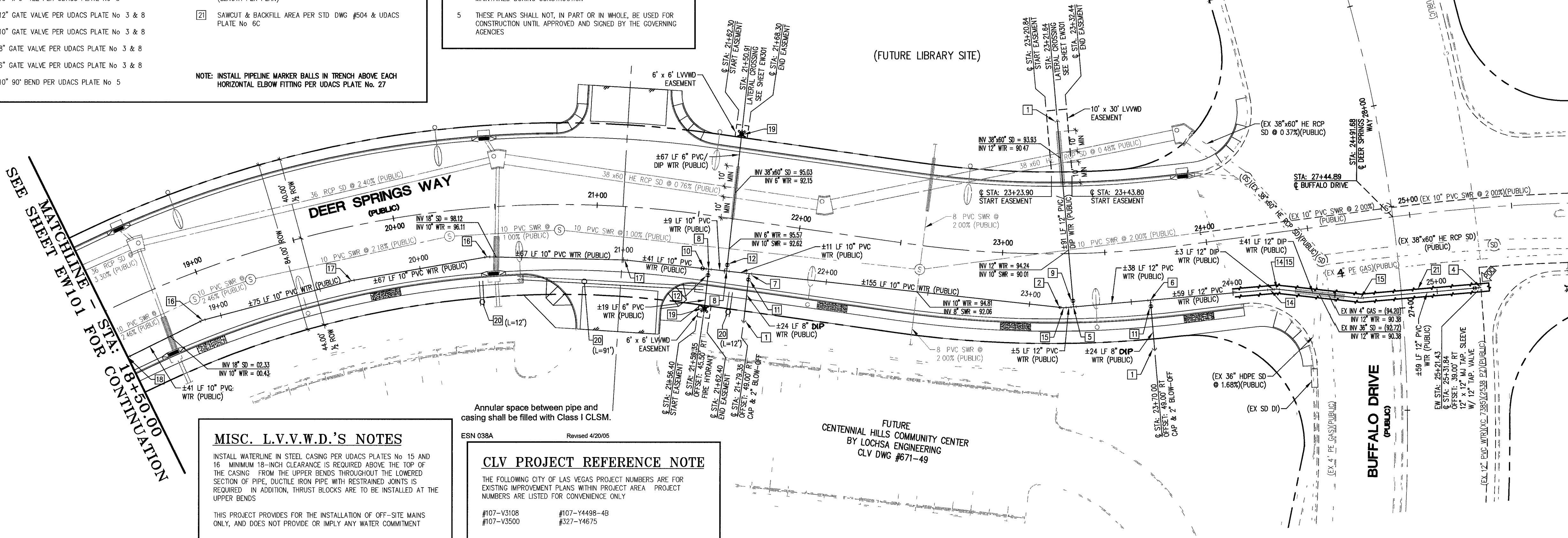


OWNER: CITY OF LAS VEGAS  
DEPARTMENT OF PUBLIC WORKS  
ARCHITECTURAL SERVICES

400 EAST STEWART AVENUE  
LAS VEGAS, NEVADA 89101  
PHONE: (702) 229-6535  
FAX: (702) 382-3232  
TDD: (702) 386-9108

|            |              |
|------------|--------------|
| DRAWN      | M. GRIMES    |
| FILE       | C-WUDS2A.dwg |
| DATE       | 07/07/05     |
| SCALE      | 1" = 30'     |
| BID NO     | 05.1534101   |
| CLV DWG NO | 10TV4288     |

17  
SHT NO  
EW102

[illegible]

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