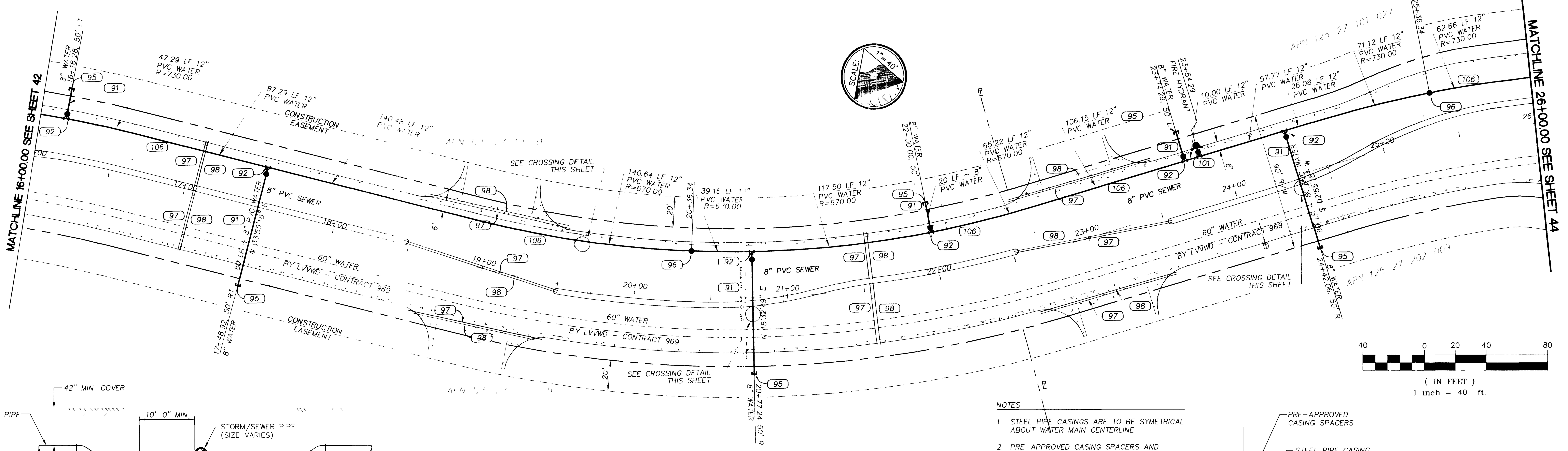


PLAN VIEW - AZURE DRIVE

SCALES: 1"=40'

NOTE:
APPROVAL OF THESE PLANS FOR THE WATER STUBOUT INSTALLATION WILL NOT BE CONSTRUED AS A COMMITMENT FOR WATER SERVICE TO THESE PROPERTIES

WATERLINE IMPROVEMENTS

- (90) NOT USED
- (91) CONSTRUCT 8" PVC WATER LATERAL
- (92) CONSTRUCT 12"X8" TEE AND 8" GATE VALVE W/THRUST BLOCK
- (93) CONSTRUCT 12" TEE AND VALVE W/THRUST BLOCK
- (94) CONSTRUCT 12" 45° BEND WITH THRUST BLOCK
- (95) CONSTRUCT WATERLINE CAP WITH BLOWOFF PER UDACS PLATE 4
- (96) CONSTRUCT 12" GATE VALVE W/ANCHOR BLOCK
- (97) CONSTRUCT IRRIGATION PIPE SLEEVES, SEE DETAIL SHEET SCS1 (2 EA – 4" DIA SCH 40 PVC)
- (98) CONSTRUCT IRRIGATION WIRE SLEEVES, SEE DETAIL SHEET SCS1 (2 EA – 2" DIA SCH 40 PVC)
- (99) NOT USED
- (100) NOT USED
- (101) CONSTRUCT FIRE HYDRANT ASSEMBLY 12"X6" TEE WITH 6" GATE VALVE PER UDACS PLATE 7
- (102) CONSTRUCT 12" 90° ELBOW WITH THRUST BLOCK
- (103) REMOVE CAP AND CONNECT TO EXISTING 12" WATER. VALVE TO REMAIN CLOSED.
- (104) CEMENT SLURRY ENCASE WATER 10' EACH SIDE
- (105) CONSTRUCT 8" PVC WATER MAIN
- (106) CONSTRUCT 12" PVC WATER MAIN
- (107) CONNECT TO EXISTING WATER

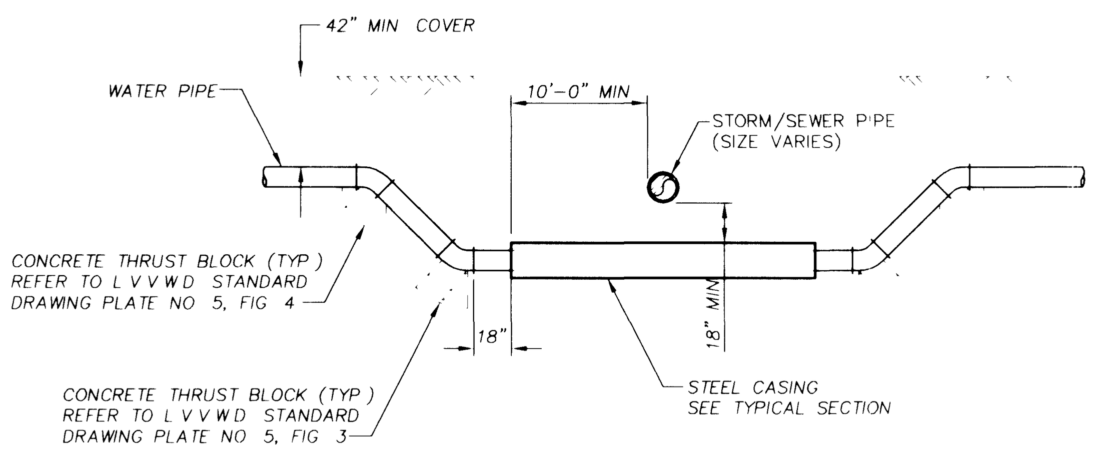
BASIS OF BEARING:

NORTH AMERICAN DATUM – 1983 (NAD'83), NEVADA COORDINATE SYSTEM – 1983 (NCS'83), EAST ZONE (2701), MODIFIED AS SHOWN BY A MAP ON FILE IN THE OFFICE OF THE COUNTY RECORDER, CLARK COUNTY, NEVADA IN FILE 89 OF RECORDS OR SURVEYS, PAGE 3

BENCHMARKS:

*#1LV90/27W4, CLV, PLS 2050 AL CAP W1/4 SEC.27
ELEV. 2381.17 NAVD 88*

*#1LV90/27N4, CLV, AL CAP, PLS 2984, CENTENNIAL PKWY & TENAYA WAY
ELEV. 2356.41 NAVD 88*



WHERE THE WATERLINE IS LESS THAN 18 INCHES OVER THE SEWER LINE, WHERE THE WATER LINE IS UNDER THE SEWER LINE, AND WHERE THE HORIZONTAL SEPARATION, AS REQUIRED BY THE WATER SUPPLY REGULATIONS, CANNOT BE MAINTAINED BECAUSE OF PHYSICAL OBSTRUCTIONS, THE WATER LINE SHALL BE PROTECTED BY CONSTRUCTION OF THE STORM/SEWER LINE AS FOLLOWS:

1. *EXTRA HEAVY CAST IRON PIPE,*
2. *WATER SUPPLY QUALITY MATERIALS, OR*
3. *ENCASEMENT WITH FOUR INCHES, MINIMUM, OF CONCRETE OR SLEEVING WITH WATER SUPPLY QUALITY PIPE*

EACH OF THESE PROVISIONS SHALL ALSO BE EXTENDED FOR OTHER THAN 90 DEGREE CROSSINGS TO THE POINT AT WHICH THE TEN FOOT SEPARATION BETWEEN THE WATER AND SEWER LINES IS ACHIEVED (10/SINE OF CROSSING ANGLE.)

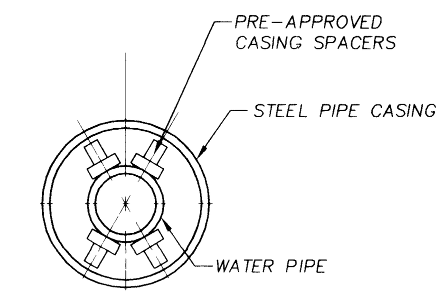
STORM/SEWER WATER CROSSING DETAIL

NOT TO SCALE

NOTES

1. STEEL PIPE CASINGS ARE TO BE SYMETRICAL ABOUT WATER MAIN CENTERLINE
2. PRE-APPROVED CASING SPACERS AND PRE-APPROVED END SEALS INSTALLED PER MANUFACTURER'S SPECIFICATIONS (REDWOOD SKIDS NOT ALLOWED, UDACS SECTION 3.26 NOT APPLICABLE) USE A "CENTERED" CONFIGURATION AND PROVIDE THE MANUFACTURER WITH THE FOLLOWING:

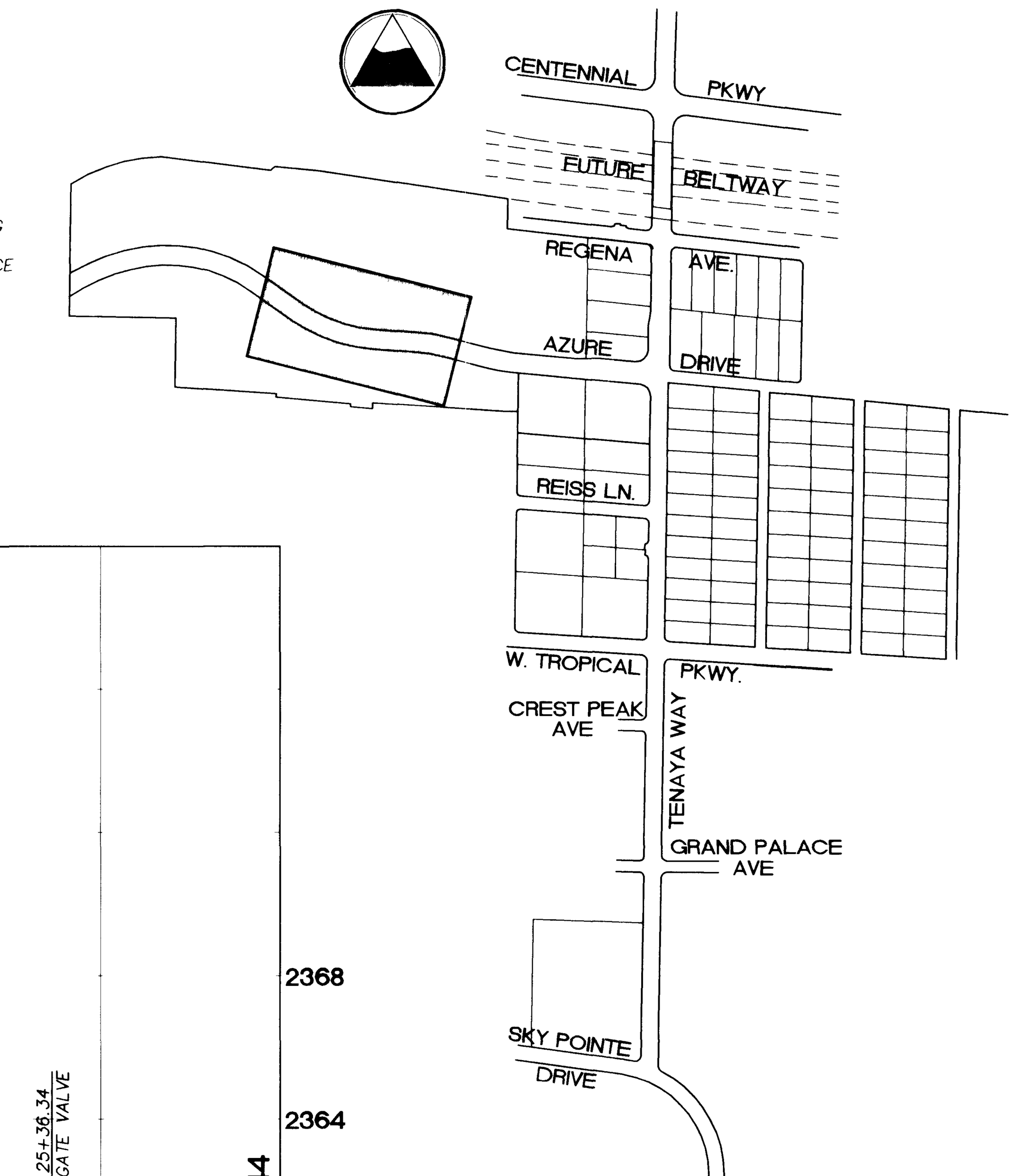
   PIPE OD
   CASING ID
   CASING LENGTH



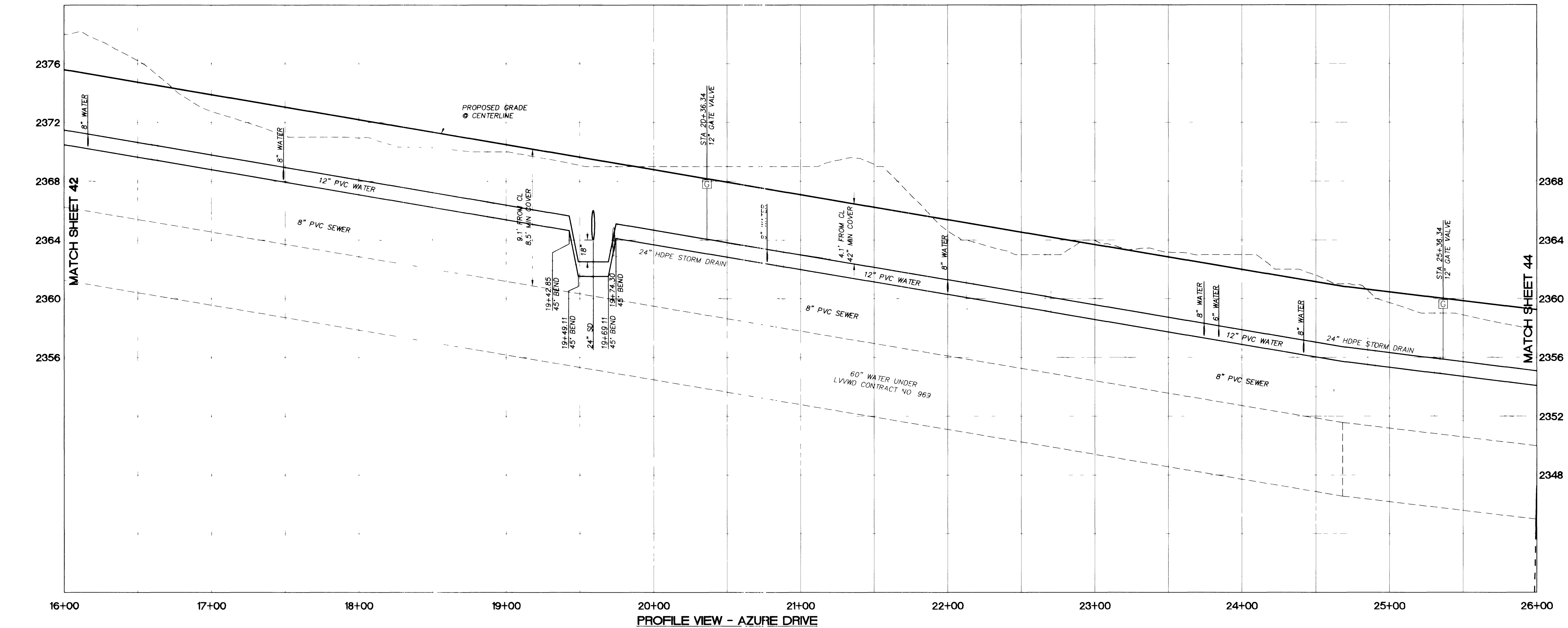
1. STEEL PIPE CASING SHALL BE FABRICATED FROM A MINIMUM OF 1/4" THICK STEEL PLATES, CONFORMING TO THE REQUIREMENTS OF ASTM A283, GRADE B, C, OR D. ALL JOINTS SHALL BE WELDED. INTERIOR JOINTS SHALL BE GROUNDED TO A SMOOTH FINISH. ALL WELDING SHALL BE PERFORMED IN ACCORDANCE WITH AWWA C201, "AWWA STANDARD FOR FABRICATED ELECTRICALLY WELDED STEEL WATER PIPE." COATINGS FOR STEEL CASING ARE NOT REQUIRED.
2. PIPE CASING SHALL BE LAID TRUE TO LINE AND GRADE WITH NO BENDS OR CHANGES IN GRADE FOR THE FULL LENGTH OF THE CASING.
3. THE PIPE SHALL BE SUPPORTED AT EACH END OF EACH JOINT WITH SPACERS. AFTER INSTALLATION OF THE PIPE, THE CASING SHALL BE SEALED AT BOTH ENDS WITH CASING AND SEALS

TYPICAL CASING SECTION

NOT TO SCALE



KEY MAP



PROFILE VIEW - AZURE DRIVE

SCALES – HORZ: 1"=40'
VERT: 1"=4'

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT DATE

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 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.

DEPARTMENT OF PUBLIC WORKS ENGINEERING DESIGN SECTION
400 EAST STEWART
LAS VEGAS NV, 89101
(702) 229-5276
CITY ENGINEER: CHARLES KAJKOWSKI, JR., P.E.
PROJECT MANAGER: THERESA M. HANRAHAN, P.E.

PRIMAS AND ASSOCIATES
CONSULTING ENGINEERS
1091 CIMARRON ROAD, SUITE A-3
LAS VEGAS, NV 89145
PHONE (702) 228-8183
FAX (702) 228-8194

REV. | DATE | BY | REVISION

SHEET
AZURE DRIVE
12" WATERLINE
STATION 16+00 TO 26+00

TITLE
TENAYA WAY / AZURE DRIVE
ROADWAY IMPROVEMENTS

DRAWN BY:
DESIGNED BY:
CHECKED BY: 10/3/01
PROJECT NO: 907.01001
SCALE: 1"=40' HORZ 1"=4' VERT

SEAL
CRAIG A. PRIMAS
CIVIL
No 6638

SHEET
W4
43 OF 70 SHEETS
DRAWING NO.
107-V3145

37651