

NOTE:
SEE SHEET C10 FOR THE INTERSECTION PAVING
DETAIL OF THE BONANZA/PECOS INTERSECTION

CAUTION: HIGH PRESSURE
GASLINE
EXISTING SMH DN-11
RIM EL = 1796.36
INVERT EL =
1790.96 W
1790.92 E
1792.36 N

CALL SOUTHWEST GAS
AT 365-2296 FOR STANDBY
WHEN EXCAVATING OVER OR NEAR
HIGH PRESSURE GAS LINES.

- CONSTRUCTION NOTES:**
- INSTALL 33" CIPP LINER IN EXISTING PIPE. SEE TABLE C.
 - INSTALL 36" CIPP LINER IN EXISTING PIPE. SEE TABLE C.
 - CONSTRUCT NEW 72" DIAMETER MANHOLE PER DETAIL 3 SHEET D6.
 - CONSTRUCT NEW JUNCTION STRUCTURE PER DETAILS ON D1.
 - CONSTRUCT NEW JUNCTION STRUCTURE PER DETAILS ON D2.
 - CONSTRUCT NEW JUNCTION STRUCTURE PER DETAILS ON D3.
 - CONSTRUCT NEW JUNCTION STRUCTURE PER DETAILS ON D4.
 - CONSTRUCT NEW JUNCTION STRUCTURE PER DETAILS ON D5.
 - REHABILITATE MANHOLE OR JUNCTION STRUCTURE WITH COATING PER SPECIFICATIONS SECTION 644 AND DETAIL 3 SHEET D7.
 - REMOVE AND REPLACE CONCRETE GRADE RINGS. SAWCUT AND REMOVE AC PAVEMENT PARALLEL TO TRAFFIC TO LANE LINES AND PERPENDICULAR TO TRAFFIC 3' EITHER SIDE OF MANHOLE. INSTALL CONCRETE COLLAR AND SET MANHOLE FRAME AS REQUIRED BY CC STANDARD DETAIL NO. 408. REPLACE PAVEMENT TO MATCH EXISTING.
 - CONTRACTOR TO "ROTOMILL" EXISTING ASPHALT AND REPAVE OPEN GRADE WITHIN LIMITS SHOWN HEREON.
 - RELOCATE EXISTING 12" ACP WATERLINE PER DETAIL 1 SHEET C12. CONTRACTOR WILL COORDINATE SHUTDOWN OF WATER WITH LVWWD. MAXIMUM DURATION OF SHUTDOWN IS 72 HOURS.
 - INSTALL 12" CUT IN VALVE. SEE DETAIL 1 SHEET C12.
 - INSTALL NEW 36" SEWER PIPE. SEE DETAIL 2 SHEET D7.
 - ADJUST WATER VALVE BOX TO FINISHED GRADE PER UDACS PLATE NO. 8. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.
 - ADJUST MANHOLE COVER AND FRAME TO FINISHED GRADE.

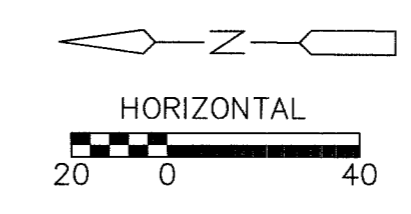
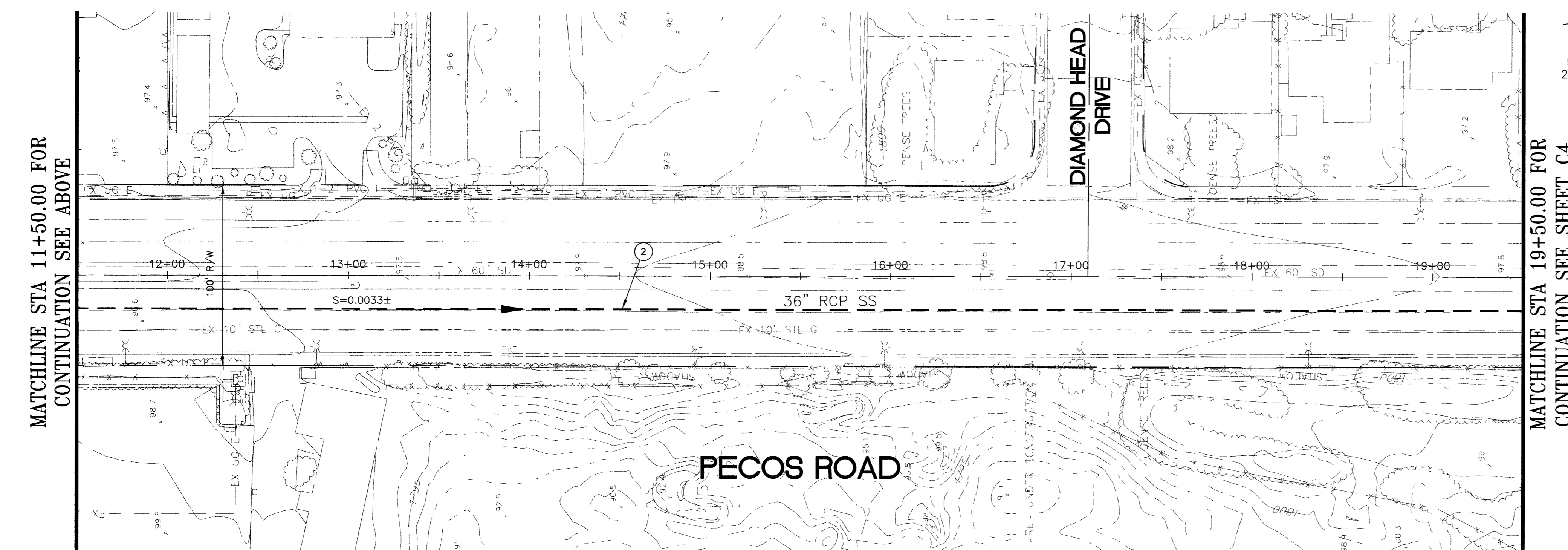
TABLE C CIPP LINER LENGTHS

UPMH	DNMH	LINER APPROXIMATE DIAMETER*	APPROXIMATE LENGTH**
DN-26	DN-25	33"	296.0'
DN-25	DN-19	33"	28.5'
DN-19	DN-28	33"	16.6"
DN-28	DN-28A	33"	277.8'
DN-28A	DN-13	33"	166.2'
DN-13	DN-1827	33"	941.6'
DN-1827	DN-14	33"	26.8'
DN-14	P-1	33"	1100.4'
P-1	DN-11	33"	1119.0'
DN-11	DN-1854	36"	1347.2'
DN-1854	DN-1380	36"	12.8'
DN-1380	DN-158	36"	1322.6'
DN-158	P-2	36"	677.0'
P-2	DN-156	36"	691.8'
DN-156	DN-156A	36"	556.4'
DN-156A	DN-156B	36"	386.5'
DN-156B	CHNEW-1	36"	1648.1'

* CONTRACTOR TO VERIFY ACTUAL INSIDE DIAMETER OF EXISTING PIPE.
** CONTRACTOR TO LINE NEW PIPE INSTALLED WITH JUNCTION STRUCTURES

POT HOLE SCHEDULE

NO	NORTHING	EASTING	ELEVATION	DESCRIPTION
PH-4	15309.64	8609.70	1789.06	10" HIGH PRESSURE STL GAS
PH-5	15303.93	8614.74	1791.05	2-4" PVC TELEPHONE CONDUITS
PH-6	15302.94	8614.41	1790.10	6" STL GAS



Call before you OVERHEAD
Call before you Dig
1-702-593-6111 1-800-227-2600

BROWN AND CALDWELL ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS AND ELEVATIONS. THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION. IT IS, HOWEVER, THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION. CONTRACTOR TO FIELD VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION. IF A CONFLICT EXISTS BETWEEN WHAT IS SHOWN ON THESE DRAWINGS AND WHAT EXISTS IN THE FIELD, THE CONTRACTOR IS TO NOTIFY THE ENGINEER IMMEDIATELY.

FIRST APPROVAL
9/15/04
LWWD
Robert J. Morgan
DATE
9/23/04

DATE: 6/21/05
REVISIONS: 1 As-built

DESIGNED: G. GOULD
DRAWN: J. JACOBSEN
CHECKED: J. JACOBSEN
CHECKED:

PROJECT MANAGER: BROWN AND CALDWELL
DATE: 9/23/04

DATE: 9/23/04

CITY OF LAS VEGAS - DEPARTMENT OF PUBLIC WORKS
BONANZA ROAD AND PECOS ROAD SEWER REHABILITATION PLAN
BONANZA, PECOS & STEWART SEWER REHABILITATION
BONANZA ROAD TO PECOS ROAD

BID NO. 05.1730.03

DRAWING NO. 7/26
C3

74066 90380