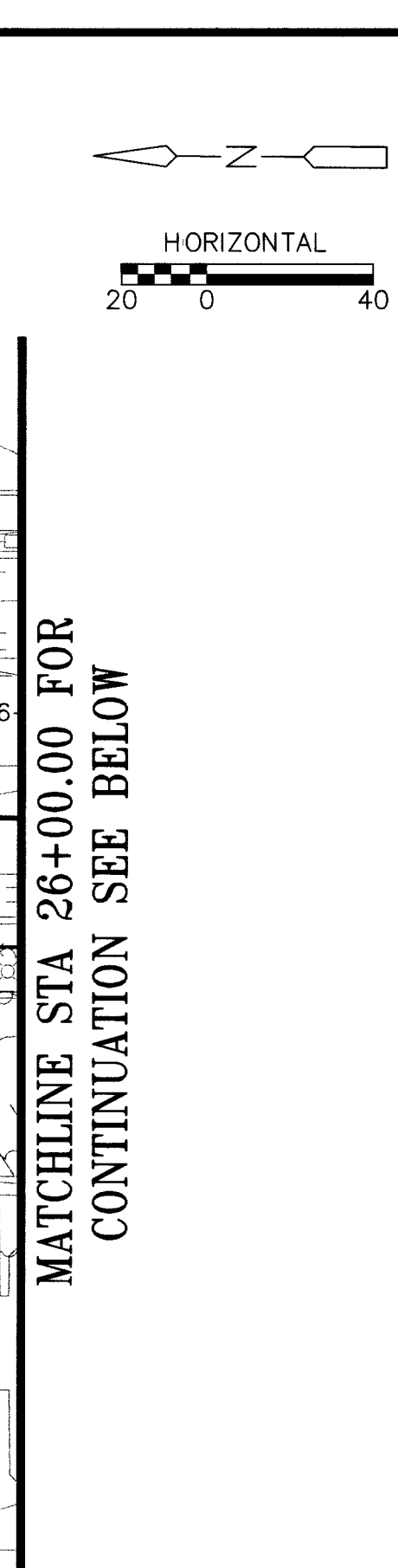
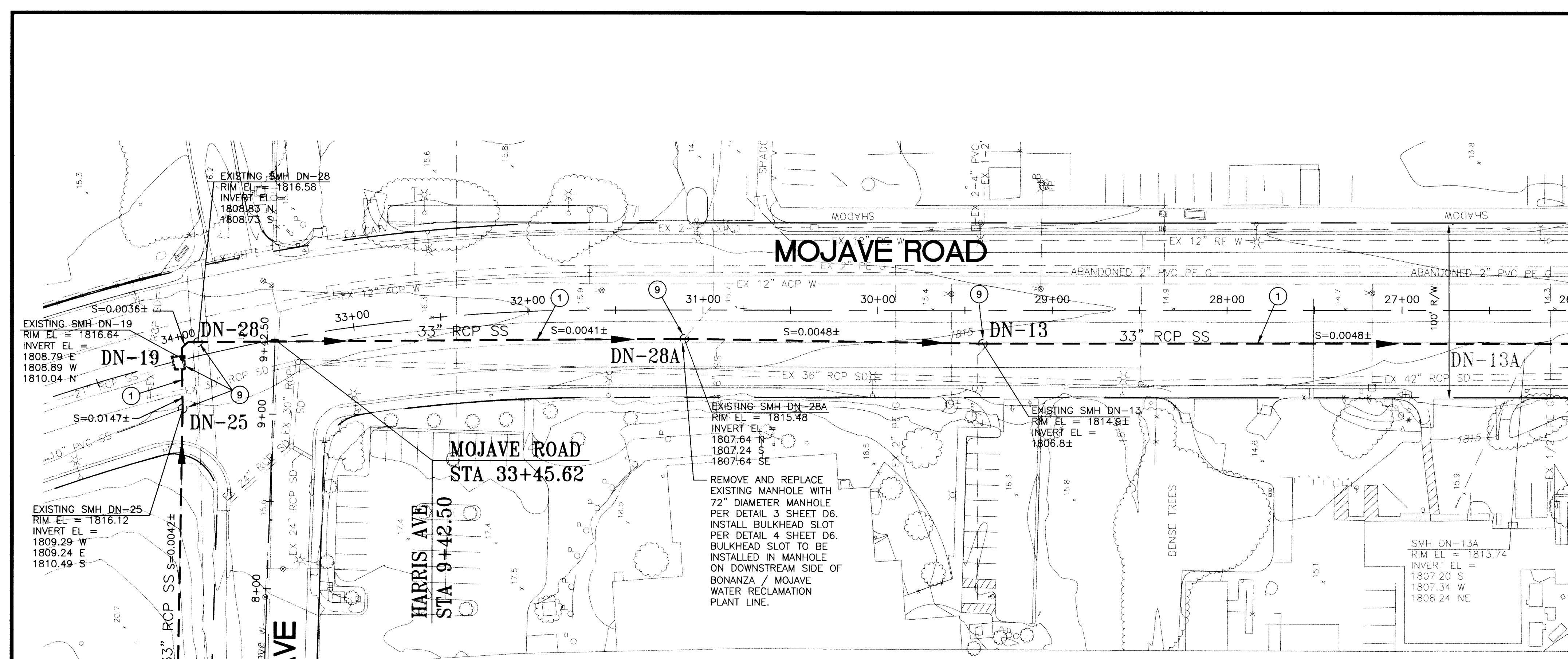




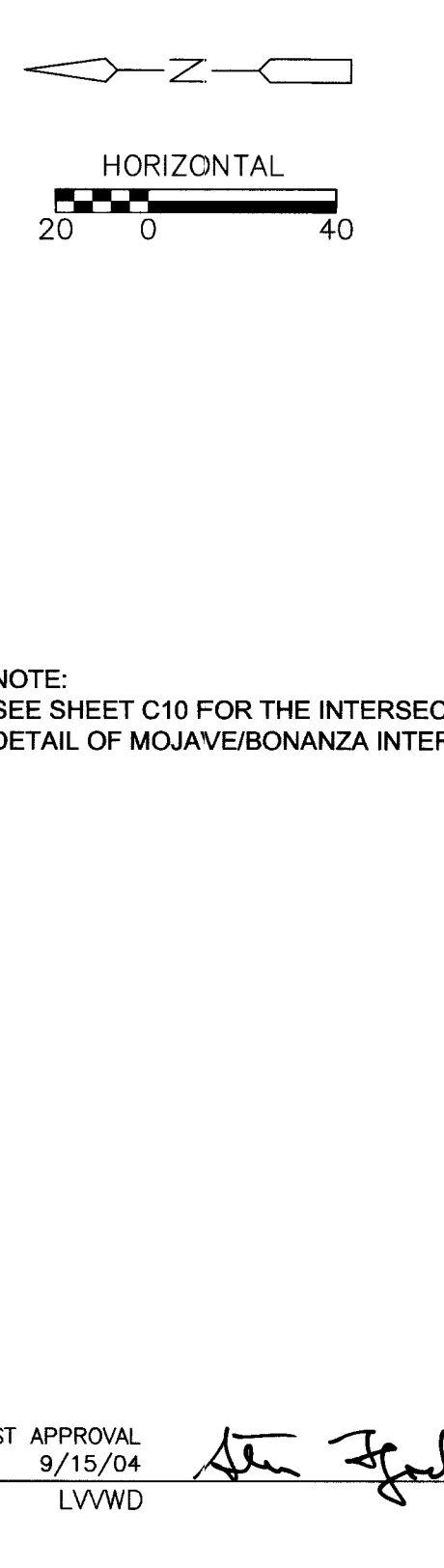
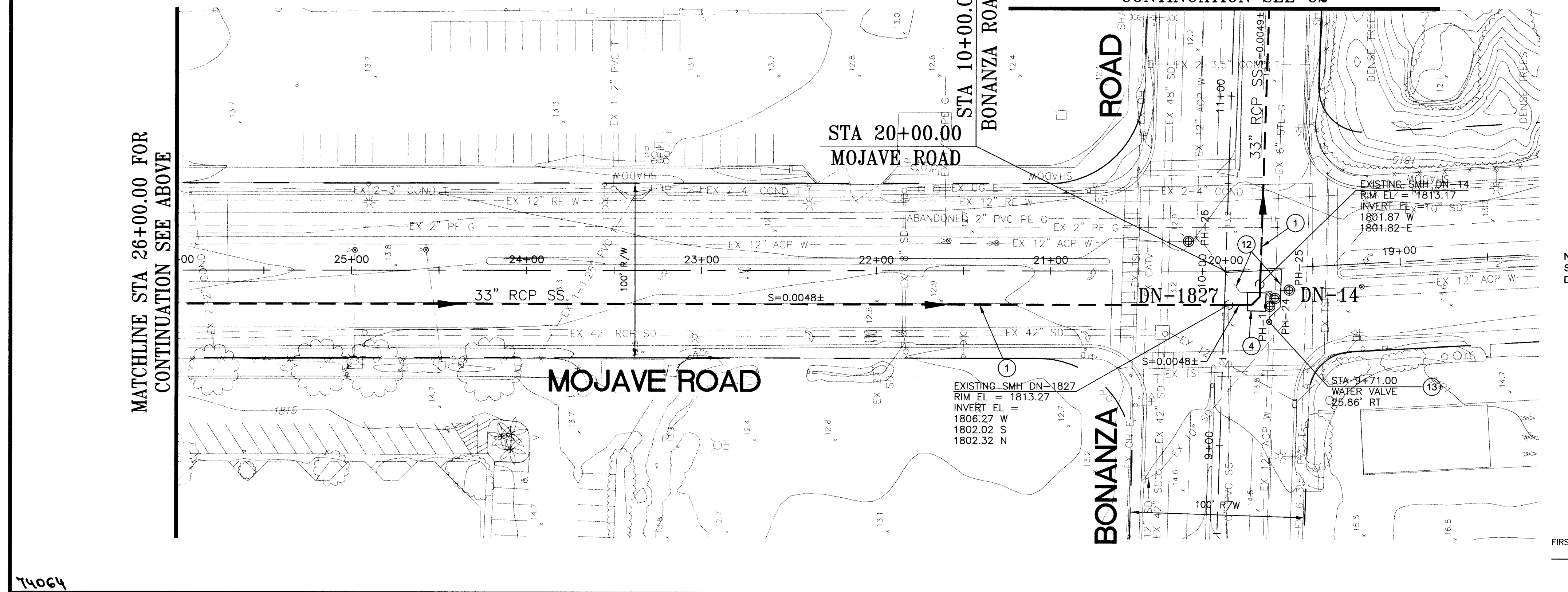
- CONSTRUCTION NOTES:**
1. INSTALL 33" CIPP LINER IN EXISTING PIPE. SEE TABLE C.
 2. INSTALL 36" CIPP LINER IN EXISTING PIPE. SEE TABLE C.
 3. CONSTRUCT NEW 72" DIAMETER MANHOLE PER DETAIL 3 SHEET D6
 4. CONSTRUCT NEW JUNCTION STRUCTURE PER DETAILS ON D1
 5. CONSTRUCT NEW JUNCTION STRUCTURE PER DETAILS ON D2
 6. CONSTRUCT NEW JUNCTION STRUCTURE PER DETAILS ON D3
 7. CONSTRUCT NEW JUNCTION STRUCTURE PER DETAILS ON D4
 8. CONSTRUCT NEW JUNCTION STRUCTURE PER DETAILS ON D5
 9. REHABILITATE MANHOLE OR JUNCTION STRUCTURE WITH COATING PER SPECIFICATIONS SECTION 644 AND DETAIL 3 SHEET D7.
 10. 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.
 11. CONTRACTOR TO "ROTOBILL" EXISTING ASPHALT AND REPAVE OPEN GRADE WITHIN LIMITS SHOWN HEREON
 12. RELOCATE EXISTING 12" ACP WATERLINE PER DETAIL 1 SHEET C12. CONTRACTOR WILL COORDINATE SHUTDOWN OF WATER WITH LVWD. MAXIMUM DURATION OF SHUTDOWN IS 72 HOURS.
 13. INSTALL 12" CUT IN VALVE. SEE DETAIL 1 SHEET C12
 14. INSTALL NEW 36" SEWER PIPE. SEE DETAIL 2 SHEET D7
 15. ADJUST WATER VALVE BOX TO FINISHED GRADE PER UDACS PLATE NO. 8. VALVE SHALL BE ACCESSIBLE AT ALL TIMES.
 16. 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-1	15376.38	6394.43	1808.85	12" ACP WATER
PH-24	15373.34	6388.88	1807.63	6" STL GAS
PH-25	15365.23	6393.69	1808.63	12" ACP WATER
PH-26	15422.88	6421.59	1808.60	12" ACP WATER



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

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
LVWD
DATE
10/13/04

DATE

REVISIONS

LINE IS 2 INCHES AT FULL SIZE (IF NOT 2" SCALE ACCORDINGLY)

DRAWN: J. JACOBSEN
CHECKED: G. GOULD

SUBMITTED: PROJECT MANAGER
APPROVED: BROWN AND CALDWELL

BROWN AND CALDWELL
SPRING MOUNTAIN ROAD, SUITE 225
LAS VEGAS, NEVADA 89102
(702) 938-4080

CITY OF LAS VEGAS - DEPARTMENT OF PUBLIC WORKS
MOJAVE ROAD
SEWER REHABILITATION PLAN
HARRIS AVE TO BONANZA ROAD

BONANZA, PECOS & STEWART
SEWER REHABILITATION

CIVIL ENGINEER
No. 8430
9/15/04

DRAWING NO.
C1

BID NO. 05.1730.03
307V866