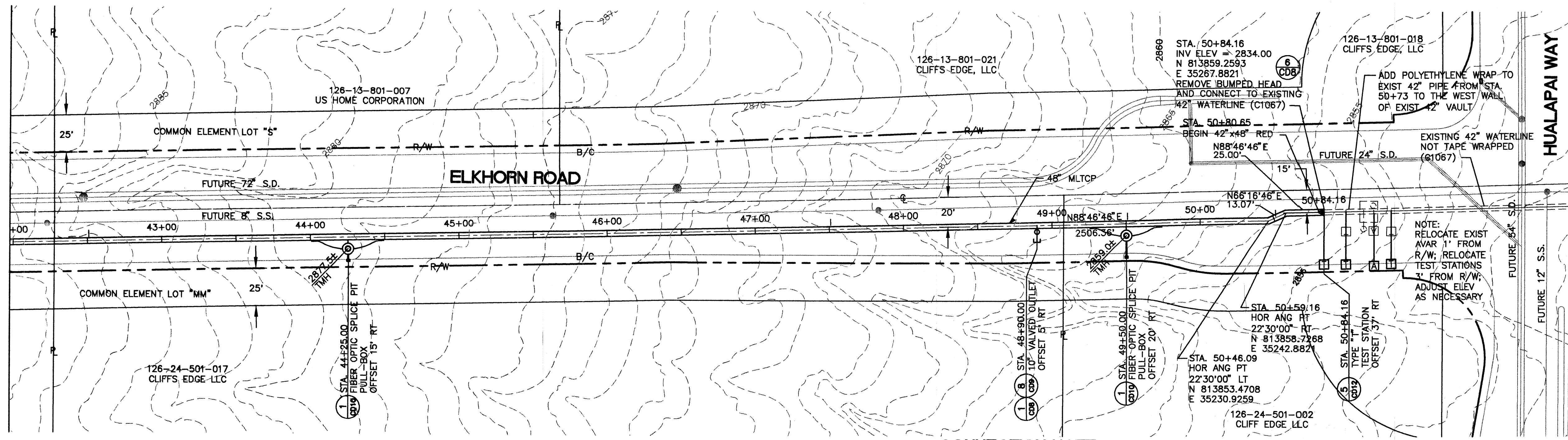


MATCHLINE STA. 42+00.00
SEE DWG. C2



END CONSTRUCTION
STA. 50+84.16



CONNECTION NOTE

SEE SECTION 02519 OF SPECIFICATIONS REGARDING TESTING AND DISINFECTION. THE CONTRACTOR SHALL INSTALL A TEMPORARY BUMPED HEAD WITH AIR RELEASE VALVE IN ACCORDANCE WITH DETAIL 6, DRAWING CD8 AT STATION 50+79.16 FOR TESTING PRIOR TO CONNECTION AT STATION 50+84.16 WITH A BUTT STRAP CONNECTION IN ACCORDANCE WITH DETAIL 6, SHEET CD1. CONNECTION PIPE AND FITTINGS SHALL BE UNCOVERED FOR OBSERVATION UNDER DESIGN PRESSURE.

NOTES:

1. THE COORDINATES SHOWN HEREIN ARE PROJECT COORDINATES BASED UPON THE NEVADA STATE PLANE COORDINATE SYSTEM OF 1983, EAST ZONE, AND ARE FOR REFERENCE ONLY. SEE IMBEDDED RECORD OF SURVEY DRAWING SV1 FOR STATE PLANE COORDINATE CONVERSION FACTORS.
2. CONTRACTOR SHALL VERIFY ALL HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING UTILITIES 48 HOURS PRIOR TO CONSTRUCTION OF THE WATER LINE.
3. PIPE DESIGN PRESSURE = 150 PSI.
4. CONTRACTOR TO MAINTAIN ACCESS TO ALL DEVELOPED PROPERTIES (WHERE APPLICABLE). REPLACE ALL OBLITERATED PAVEMENT/MARKINGS WITH CLARK COUNTY APPROVED EQUIPMENT.
5. TRENCH AND BACKFILL PER CLARK COUNTY STANDARD DRAWINGS 502. SEE DETAIL 7, DRAWING CD1.

BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THE PROJECT IS NORTH 00°08'16" EAST, BEING THE EAST LINE OF THE NORTHEAST QUARTER (NE 1/4), OF SECTION 24, TOWNSHIP 19 SOUTH, RANGE 59 EAST, M.D.M., CLARK COUNTY, NEVADA, AS SHOWN ON A RECORD OF SURVEY ON FILE IN THE CLARK, NEVADA RECORDER'S OFFICE IN FILE 123 AT PAGE 32.

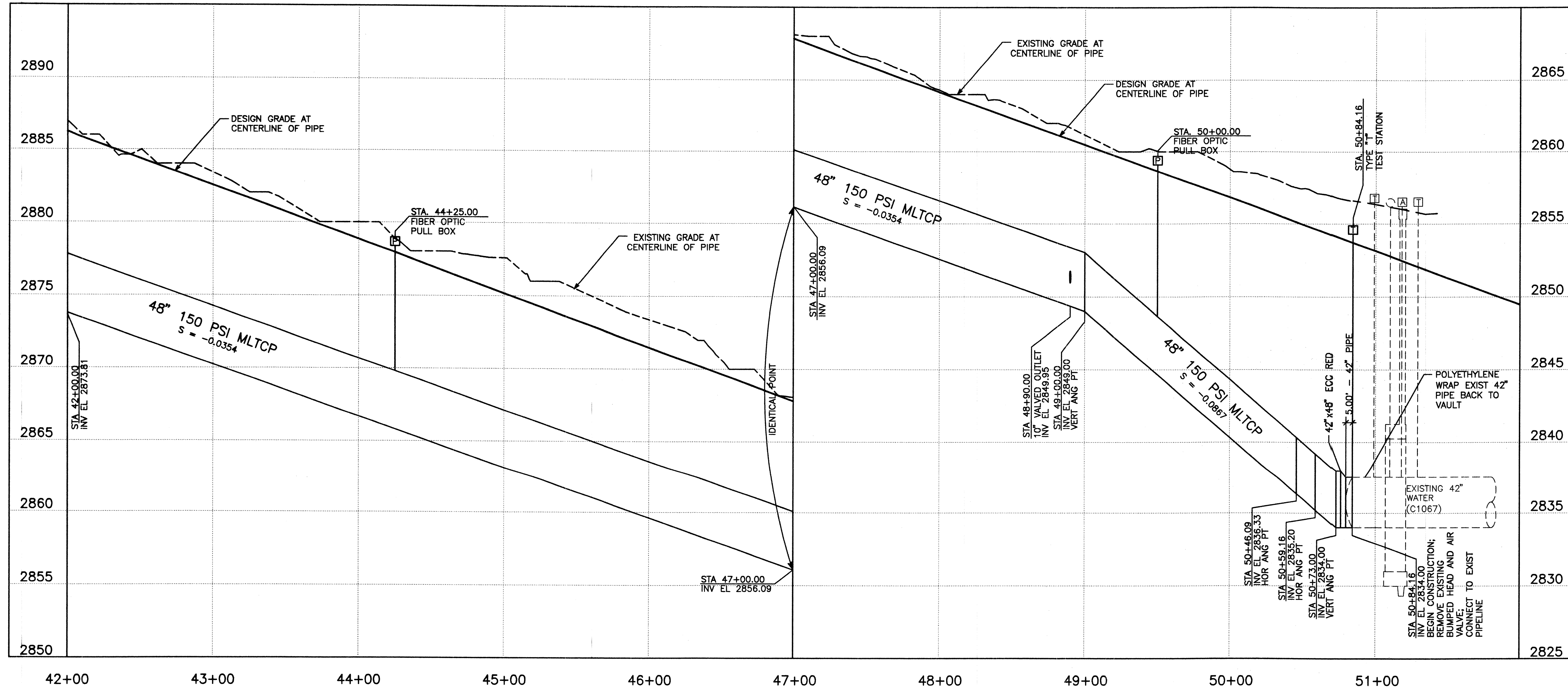
CITY OF LAS VEGAS BENCHMARK

DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

CITY OF LAS VEGAS BENCHMARK: 8LV99:13SES
NAVD88 ELEVATION: 869.606 METERS (2853.03 FEET)

RIVET AND PLATE IN CONCRETE CYLINDER NW CORNER OF HUALAPAI AND ELKHORN

NOTE: ADD 0.34' TO ABOVE CITY OF LAS VEGAS BENCHMARK 8LV99:13SES TO MATCH ORIGINAL PROJECT BENCHMARK, CLARK COUNTY BENCHMARK 1C00-6N6 (2584.62 FEET) AS SHOWN ON RECORD OF SURVEY FILE 124 PAGE 94.



NEW 48" MLCP DATA
STL CYL OD = 49.875
STL CYL THK = 0.25"
MORTAR LINING THK = 0.625"
MORTAR COATING THK = 1.0"

EXIST. 42" MLCP DATA
STL CYL OD = 43.875"
STL CYL THK = 0.25"
MORTAR LINING THK = 0.625"
MORTAR COATING THK = 1.00"

WELD ALL JOINTS FROM
STA. 50+04.00 TO 50+84.16

Avoid cutting underground utility lines. It's costly.

Call
before you
Dig
1-800-227-2600

LAS VEGAS VALLEY WATER DISTRICT

VERIFY SCALE
1/2" = 0'
1/2" = 12'

vtm nevada
CONSULTING ENGINEERS
PLANNERS
LAND SURVEYORS
2727 SOUTH RAINBOW BOULEVARD
LAS VEGAS, NEVADA 89146-5148
PHONE (702) 873-7550 FAX (702) 382-2597

ELKHORN 2975 ZONE
RESERVOIR INLET/OUTLET PIPELINE
PLAN AND PROFILE
STA. 42+00.00 TO STA. 50+84.16

DRAWN BY: _____
CHECKED BY: CHRISTOPHER R. GRUBBS, P.E.
RECOMMENDED BY: _____
L. STEVEN ANDERSON
ACCEPTED BY: PETER J. JAUCH

DATE: 01/01/04
DATE: 01/01/04
DATE: _____
DATE: _____

PROFESSIONAL ENGINEER
CHRISTOPHER R. GRUBBS, P.E.
No. 39866
EXPIRES 06-30-05
10/21/04

CONTRACT NUMBER
C1123
DRAWING NUMBER C3
SHEET 14 OF 26

565-414