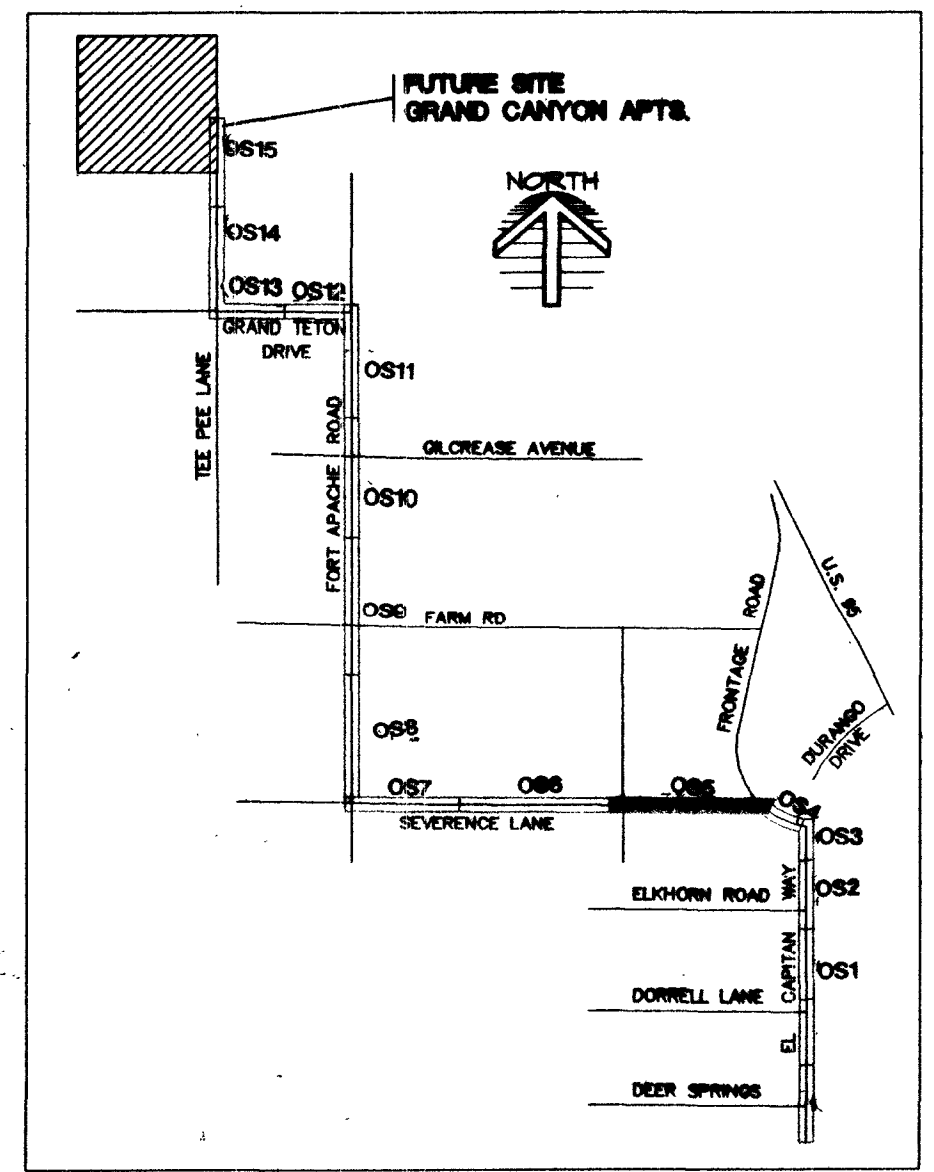
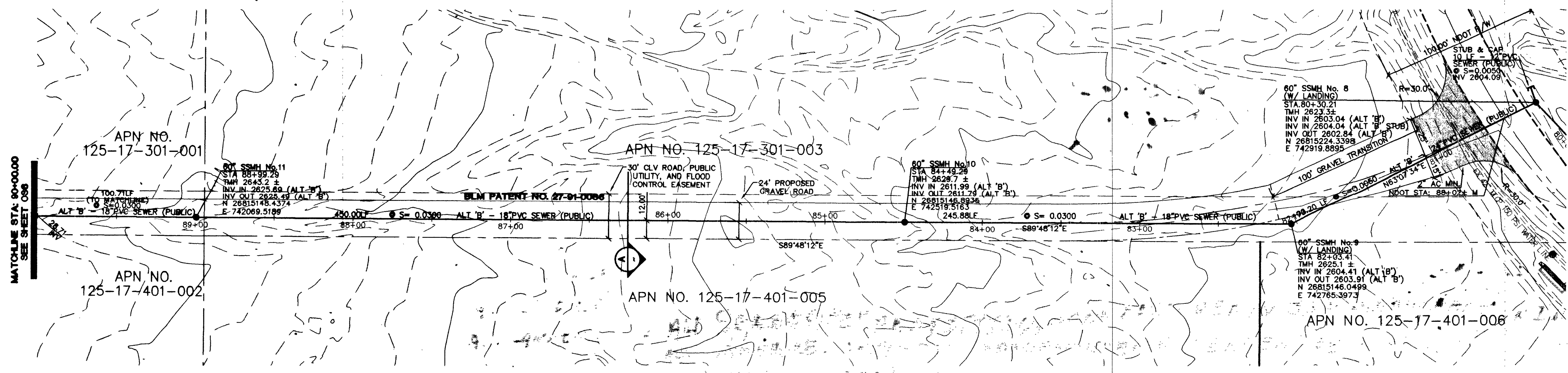
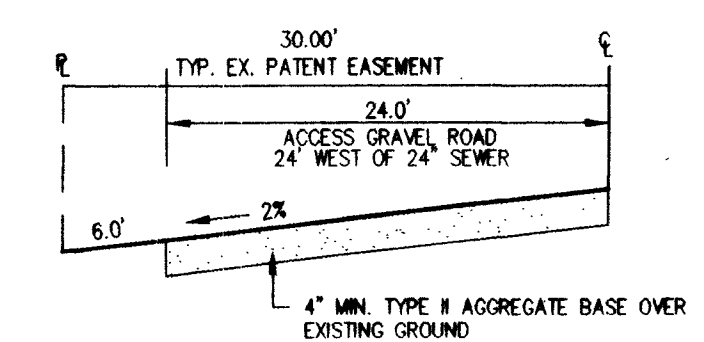




VICINITY MAP
N.T.S.



ACCESS GRAVEL ROAD
NOT TO SCALE

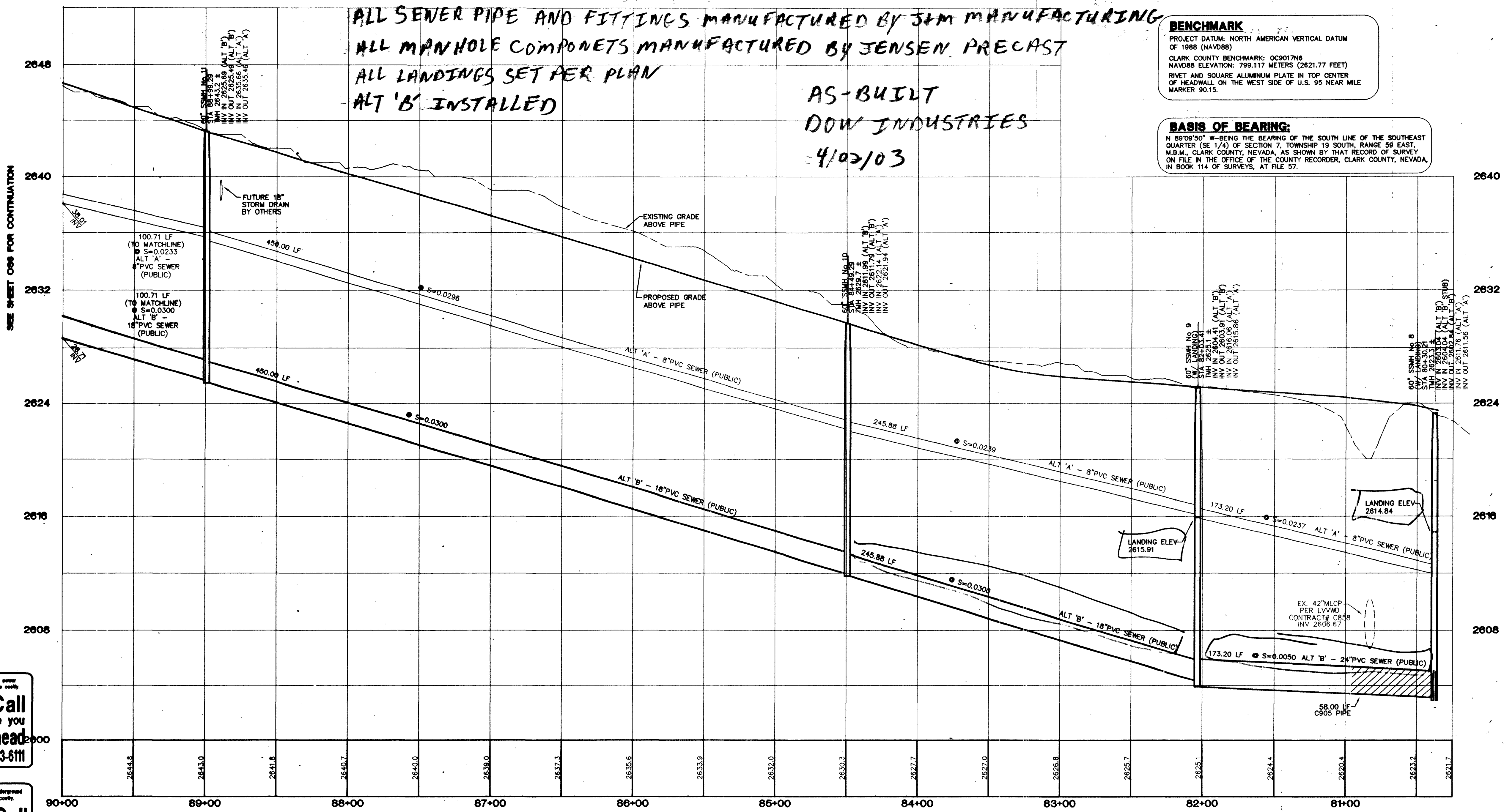
NOTE:
EXISTING UTILITY LOCATIONS SHOWN HEREIN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATIONS. CALL BEFORE YOU DIG: 1 (800) 227-2600.
CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES AND NOTIFY THE DESIGN ENGINEER IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

BENCHMARK
PROJECT DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
CLARK COUNTY BENCHMARK: 0301778
NAVD88 ELEVATION: 799.117 METERS (2621.77 FEET)
RIVET AND SQUARE ALUMINUM PLATE IN TOP CENTER OF HEADWALL ON THE WEST SIDE OF U.S. 95 NEAR MILE MARKER 90.15.

BASIS OF BEARING:
N 89°09'50\"/>

ALL SEWER PIPE AND FITTINGS MANUFACTURED BY JTM MANUFACTURING
ALL MANHOLE COMPONENTS MANUFACTURED BY JENSEN PRECAST
ALL LANDINGS SET PER PLAN
ALT 'B' INSTALLED

AS-BUILT
DOW INDUSTRIES
4/02/03

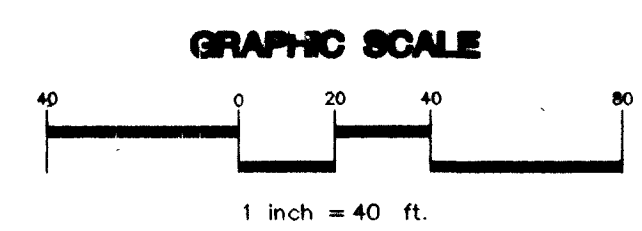
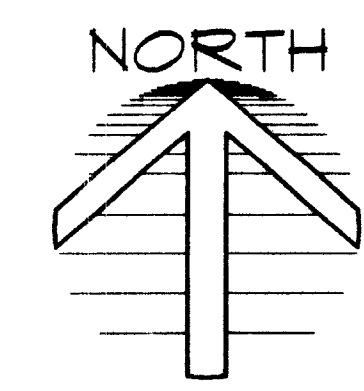


NOTE:
ALTERNATE 'A' SEWER DESIGN IS FOR BIDDING PURPOSES ONLY. ALT 'B' TO BE CONSTRUCTED.

NOTE:
FOR MANHOLE DEPTHS OVER 10', SEE DETAIL SHEET OS3.

NOTE:
MANHOLES SHALL HAVE AN APPROVED LOCKING COVER PER PARAGRAPH 2.2.9 OF THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS.

PROFILE
HORIZONTAL 1\"/>



Call before you Overhead
1-702-593-6111

Call before you Dig
1-800-227-2600

GRAND CANYON PARTNERS, LLC.
3320 NORTH BUFFALO DRIVE SUITE 203
LAS VEGAS, NEVADA 89129
(702) 985-2650

SEVERANCE LANE
STA: 80+49.29 - 90+00.00

GRAND CANYON APARTMENTS
OFF-SITE SEWER

DRAWN BY: JAN 2002
DESIGNED BY: JULY 2001
CHECKED BY:
PROJECT NO: 6038-OS
SCALE: 1\"/>

EXPIRES 06-30-03
PROFESSIONAL ENGINEER
DANIEL HOOB
CIVIL
NO. 12811
9-27-01

SHEET
OS5
8 OF 18 SHEETS
DRAWING NO.
107-V3625-05

1. VARIOUS MATERIALS AND METHODS OF CONSTRUCTION SHALL BE AS SHOWN ON THE DRAWING.