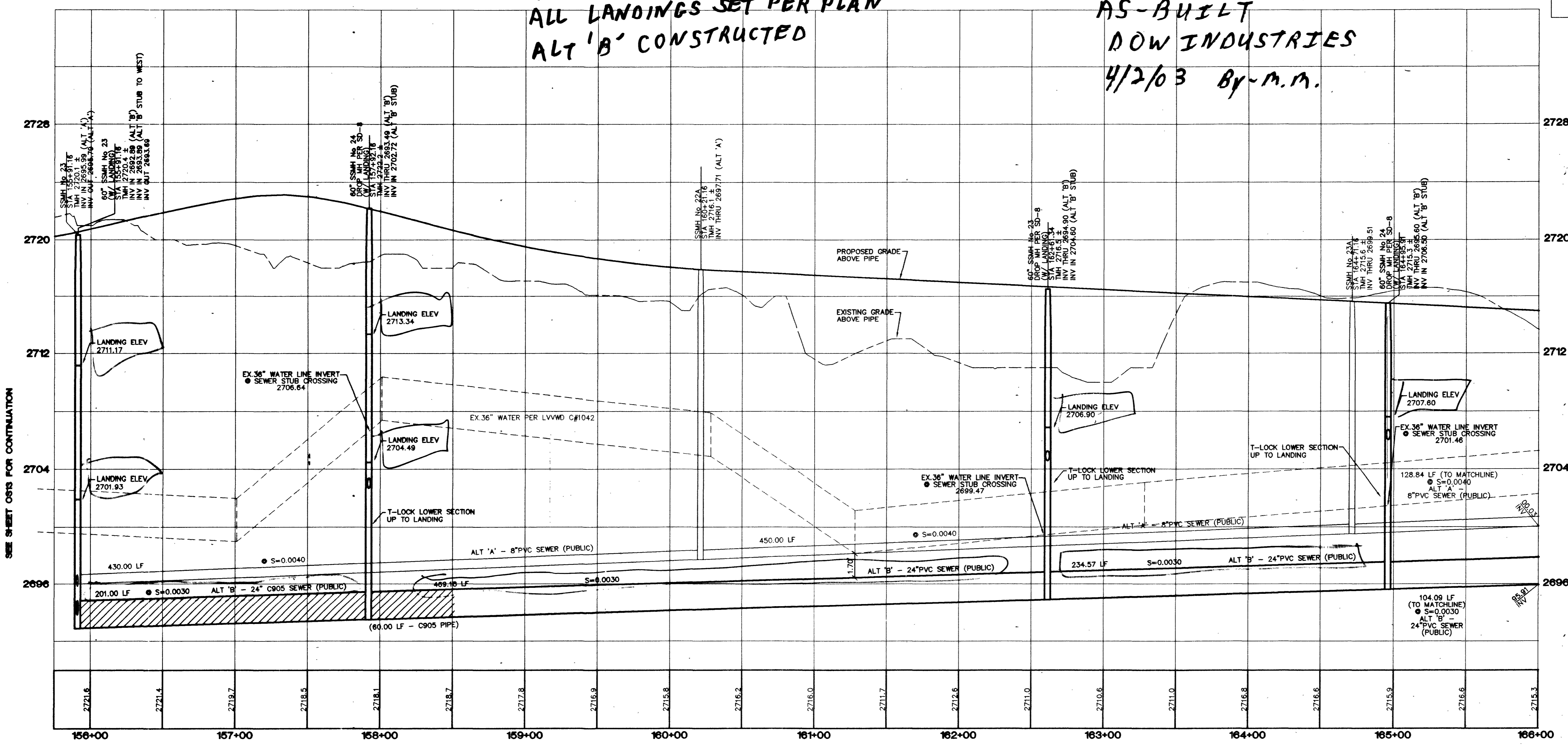


ALL SEWER PIPE AND FITTINGS MANUFACTURED BY J+M MANUFACTURING.  
 ALL MANHOLE COMPONENTS MANUFACTURED BY SENSEN PRECAST  
 ALL LANDINGS SET PER PLAN  
 ALT 'B' CONSTRUCTED

AS-BUILT  
 DOW INDUSTRIES  
 4/2/03 By-M.M.



VICINITY MAP  
 N.T.S.

SEE SHEET OS18 FOR CONTINUATION

**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) 227-2800.  
 CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES AND NOTIFY THE DESIGN ENGINEER IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

Call before you Dig  
 1-800-227-2600

Call before you Overhead  
 1-702-593-6111

**BENCHMARK**  
 PROJECT DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)  
 CLARK COUNTY BENCHMARK: OC8017NS  
 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.

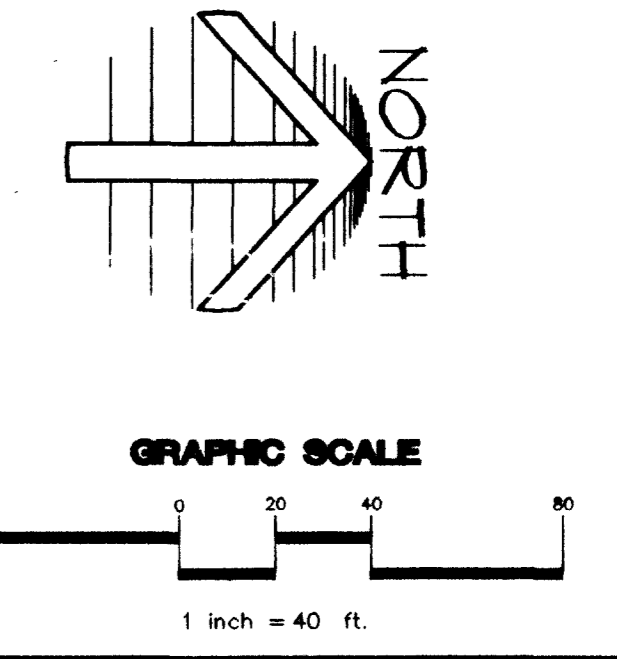
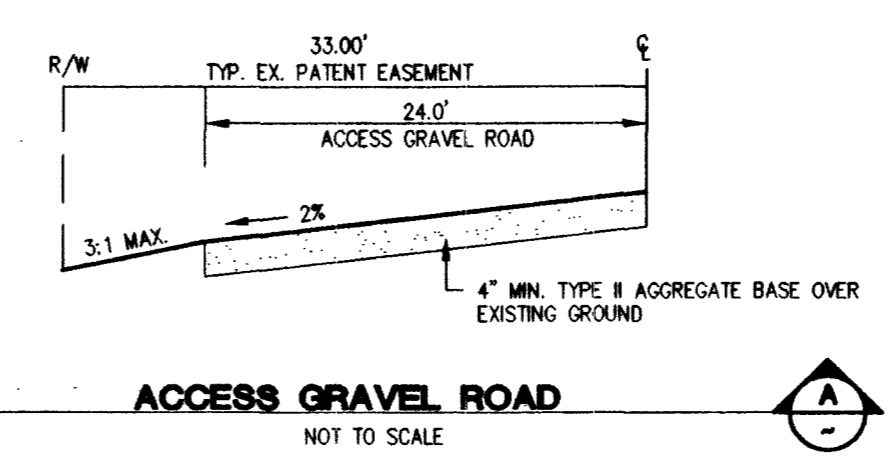
**BASIS OF BEARING:**  
 N 89°05'00\"/>

**NOTE:**  
 FOR MANHOLE DEPTHS OVER 18\", SEE DETAIL SHEET OS3.

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

**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\"/>



GRAND CANYON PARTNERS, LLC.  
 1588 NORTH RIFALO DRIVE SUITE 203  
 LAS VEGAS, NEVADA 89129  
 (702) 952-2050

TEE PEE LANE  
 156+02.74 - 166+00.00

GRAND CANYON APARTMENTS  
 OFF-SITE SEWER

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

EXPIRES 06-30-03

PROFESSIONAL ENGINEER STATE OF NEVADA  
 DARRYL HOOK  
 CIVIL  
 No. 12811  
 9-15-02

SHEET  
 OS14  
 17 OF 18 SHEETS  
 DRAWING NO.  
 107-V3625-03