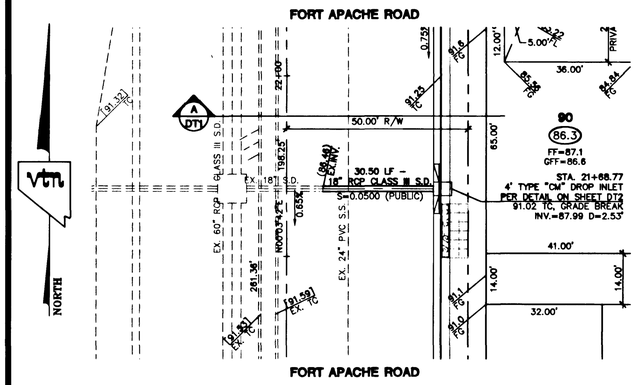
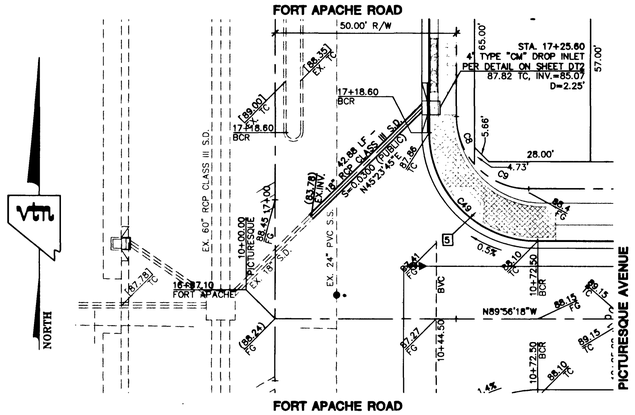
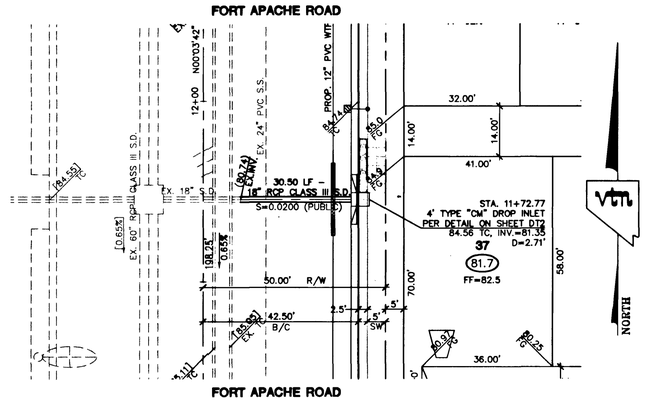






GRAPHIC SCALE

1" = 20'

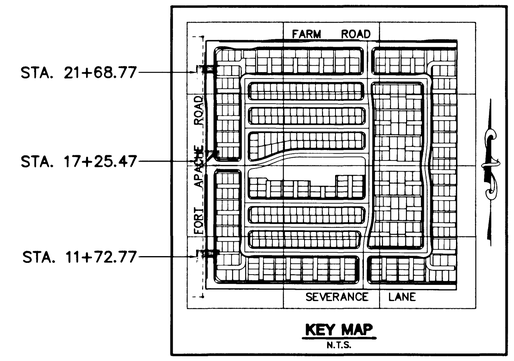
SOUTH 18" STORM DRAIN LATERAL
FORT APACHE ROAD
CL STA. 11+72.77

NORTH 18" STORM DRAIN LATERAL
FORT APACHE ROAD
CL STA. 21+68.77

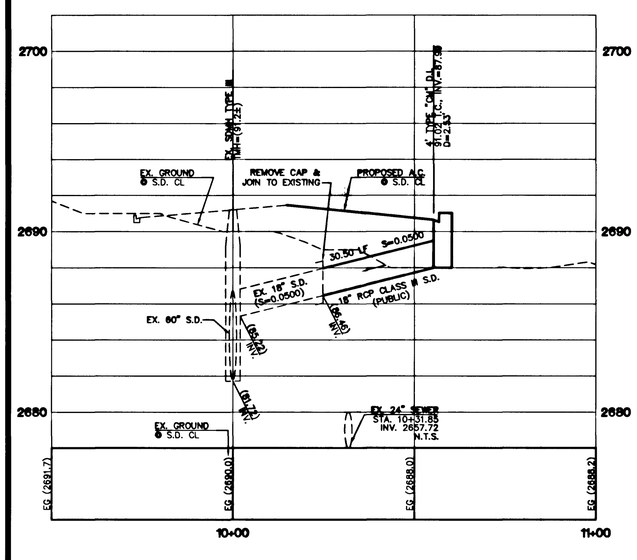
CENTER 18" STORM DRAIN LATERAL
FORT APACHE ROAD
CL STA. 17+25.47

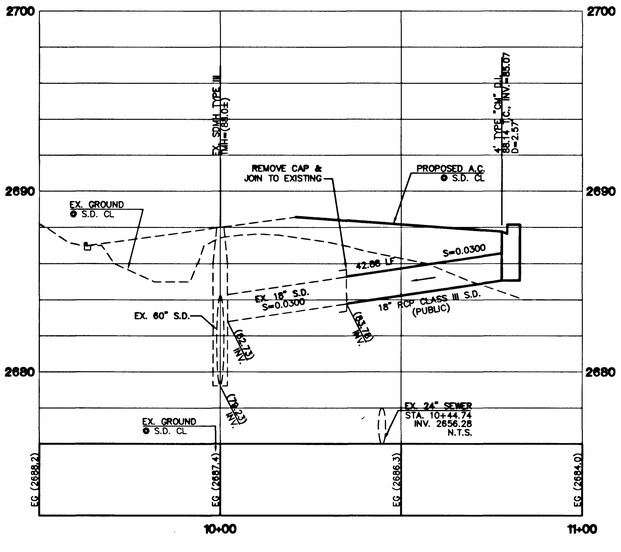
D-LOAD TABLE

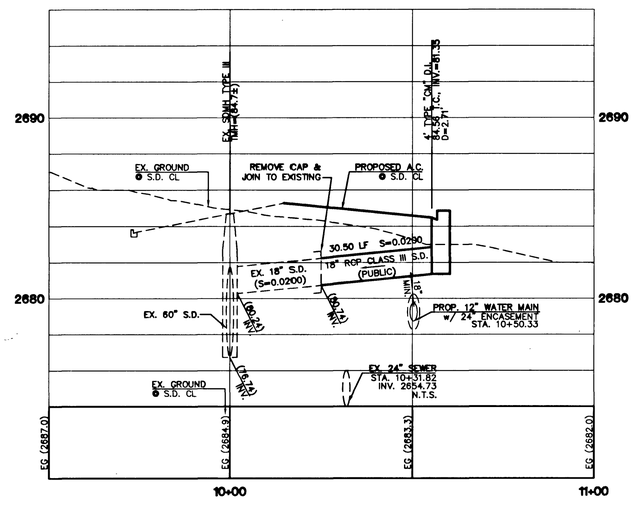
CLASS	MINIMUM DEPTH
I	27"
II	24"
III	18"
IV	12"



KEY MAP
N.T.S.







CONTRACTOR NOTE

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

BENCHMARKS

PROJECT DATUM : NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

CLARK COUNTY BENCHMARK : 0C90177N8
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 BEARINGS

THE BASIS OF BEARINGS FOR THIS PROJECT IS GRID NORTH AS DEFINED BY THE NEVADA COORDINATE SYSTEM OF 1983 (NCS83), EAST ZONE (2701), DETERMINED BY CLARK COUNTY GIS CONTROL POINTS 802, 803, 804, AND 805, AS SHOWN ON A RECORD OF SURVEY ON FILE IN THE CLARK COUNTY, NEVADA, RECORDER'S OFFICE, IN BOOK 88 OF SURVEYS, AT PAGE 53.

Avoid cutting underground utility lines. It's costly.
Call before you Dig
1-800-227-2600

Avoid overhead power line contact. It's costly.
Call before you Overhead
1-702-593-6111

6274!

REV	DATE	BY	REVISION

H:\5965\5965A001\dwg, WT, 01/07/2004 05:24:43 PM, dtimb, TD3400 MTLAR.pc3, 1:20

ASTORIA HOMES
9555 DEL WEB BOULEVARD
LAS VEGAS, NEVADA 89134
(702) 257-1188

CITY OF LAS VEGAS

vtn nevada
2727 SOUTH RAINBOW BOULEVARD LAS VEGAS, NEVADA 89146-5146
PH. (702) 873-7550 FAX (702) 362-2597
CONSULTING ENGINEERS ● PLANNERS ● LAND SURVEYORS

STORM DRAIN PLAN AND PROFILE FORT APACHE ROAD

ASTORIA AT TOWN CENTER - SOUTH

DRAWN BY: dtb/TP	DEC. 2003		
DESIGNED BY: dtb	DEC. 2003		
CHECKED BY: CRG	DEC. 2003	SCALE:	1"=20' HORIZ. 1"=4' VERT.
PROJECT NO: 5965			

CHRISTOPHER R. GUBBS, CIVIL, No. 13956, PROFESSIONAL ENGINEER, STATE OF NEVADA
EXPIRES 06-30-05
1/7/04

SHEET
SD1
92 OF 93 SHEETS

DRAWING NO.
10714794