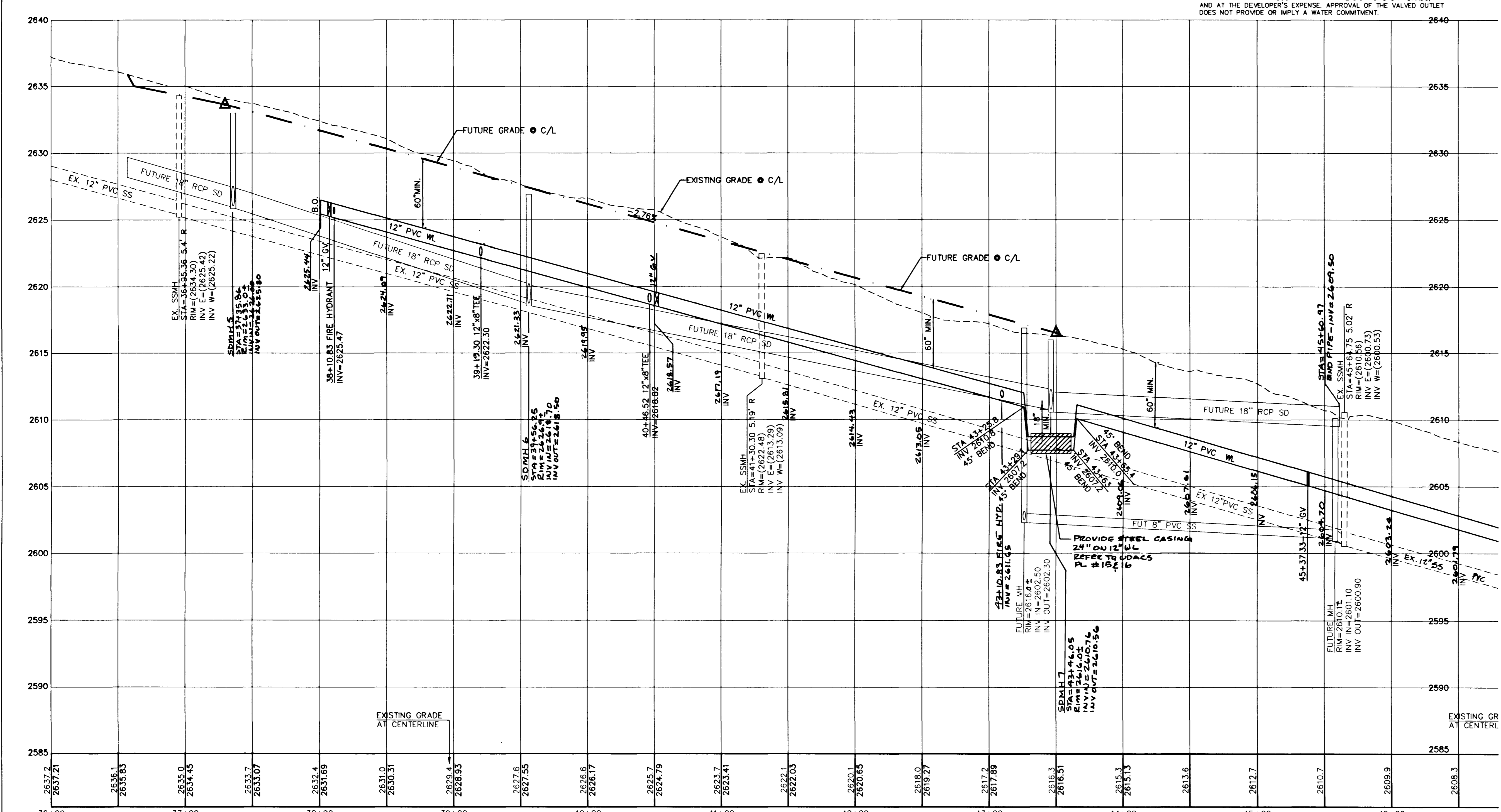
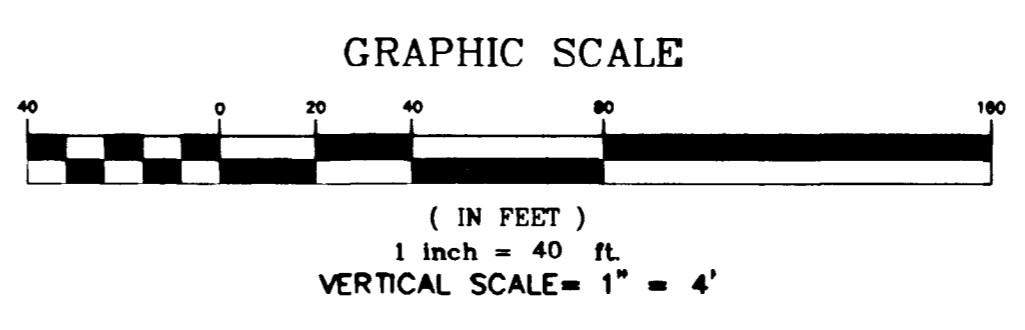


PLAN



PROFILE
ELKHORN ROAD
PUBLIC STREET



NOTICE TO CONTRACTOR!
EXISTING UTILITY LOCATIONS SHOWN HEREON 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 LOCATION.

CALL before you Dig
1-800-227-2600
UNDERGROUND SERVICE (USA)

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL before you Dig
1-702-227-2629

AVOID HITTING UNDERGROUND POWER LINES. IT'S COSTLY.
CALL before you Dig
1-702-455-7511
CLARK COUNTY PUBLIC UTILITIES DIVISION
1-702-229-6611

INSTALL WATERLINE IN STEEL CASING PER UDACS PL 15 AND 16. MIN. 18 INCH CLEARANCE IS REQUIRED ABOVE THE TOP OF THE CASING. FROM THE UPPER BENDS THROUGHOUT THE LOWERED SECTION OF PIPE, DUCTILE IRON PIPE WITH RESTRAINED JOINTS IS REQUIRED. IN ADDITION, THRUST BLOCKS ARE TO BE INSTALLED AT THE UPPER BENDS.

WATER MAIN JOINT DEFLECTION (PVC 4"-24") PVC PIPE SHALL BE DEFLECTED AT THE JOINT ONLY. THE MAXIMUM ALLOWABLE DEFLECTION SHALL BE ONE (1) DEGREE PER JOINT WITH A MINIMUM RADIUS OF CURVATURE OF 1,150 FEET. PER UDACS 2.06.01 AND 2.06.02. FOR CHANGES IN DIRECTION EXCEEDING THE MAXIMUM ALLOWABLE JOINT DEFLECTION, FITTINGS SHALL BE USED.

BASIS OF BEARINGS
NORTH 00°06'43"WEST BEING THE WEST LINE OF THE SOUTHWEST QUARTER (SW 1/4) OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 19, TOWNSHIP 19 SOUTH, RANGE 80 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN BY MAP IN THE OFFICE OF THE CLARK COUNTY, NEVADA RECORDER IN FILE 114 OF SURVEYS PAGE 57.

BENCHMARK
CITY OF LAS VEGAS VERTICAL CONTROL RIVET AND PLATE IN TOP OF CURB NORTH SIDE OF SAHARA AVE. AND CRYSTAL WATER WAY.
STATION= 8LV90
ELEVATION= 1754
ELEVATION= 791.62 METERS (NAV88)
2597.17 FEET

SITE DESCRIPTION
GOVERNMENT TO SIXTEEN (16) OF SECTION 17, T19S, R80E, M.D.M.
APN: 125-17-401-005

DATE OF FIELD SURVEY
MAY 8, 2003

OWNER/DEVELOPER
DEVELOPER
SOUTHWEST HOMES, LLC
245 E WARM SPRINGS ROAD, STE. 108
LAS VEGAS, NEVADA 89119
(702) 597-3233

NOTE:
THIS PROJECT PROVIDES FOR THE INSTALLATION OF OFF-SITE WATER MAINS ONLY AND DOES NOT PROVIDE OR IMPLY ANY WATER COMMITMENT.

FIRE FLOW DATA
FIRE FLOW REQUIREMENT IS 1,500 GALLONS PER MINUTE AT 20 PSI RESIDUAL PRESSURE.

BASED ON:
SQUARE FOOTAGE: 3,600 SQ. FT.
LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS: N/A
BUILDING HEIGHT: 28'
NUMBER OF STORIES: 2
TYPE OF CONSTRUCTION: VNJ
OCCUPANCY: SINGLE FAMILY
FULL AUTOMATIC FIRE SPRINKLER SYSTEM: NO

REVIEWED BY: _____
DATE: _____

CONSTRUCTION NOTES

- INSTALL CAP & 2" BLOW OFF ASSY. PER UDACS PLATE 4
- INSTALL 8" GATE VALVE PER UDACS PLATE 8
- INSTALL 12" GATE VALVE PER UDACS PLATE 8
- INSTALL 12" x 8" TEE PER UDACS PLATE 5
- INSTALL STD. FIRE HYD. W/ASSY. PER UDACS PLATE 7
- INSTALL 12" TEE PER UDACS PLATE 5
- INSTALL 12"-45° BEND PER UDACS PLATE 5
- INSTALL 12"-90° BEND PER UDACS PLATE 5

APPROVALS

CITY ENGINEER: _____
DATE: 11/2/03

L.V.V.W.D.: _____
DATE: 11/2/03

REVISION DESCRIPTION

NO.	DATE	BY	APPROVED

3610 North Rancho Drive
Las Vegas, Nevada 89130
Telephone: (702) 646-9700
Fax: (702) 646-1143

ENGINEERING
SOUTHWEST
LAND PLANNING • MAPPING • DEVELOPMENT

WATERLINE PLAN AND PROFILE
OFF-SITE WATER MAIN AND FIRE HYDRANT

CENTENNIAL PARK
SOUTHWEST HOMES

CITY OF LAS VEGAS

TITLE: _____
PROJECT: _____
WORK ORDER NO.: 030313
DESIGN BY: TEAM 1
DATE: 7/24/03
SCALE: 1"=40'
CADFILE: CP1-FH-PLAN
SHEET 3 OF 4 SHEETS
CLV DWG NO.: 1074784-06