

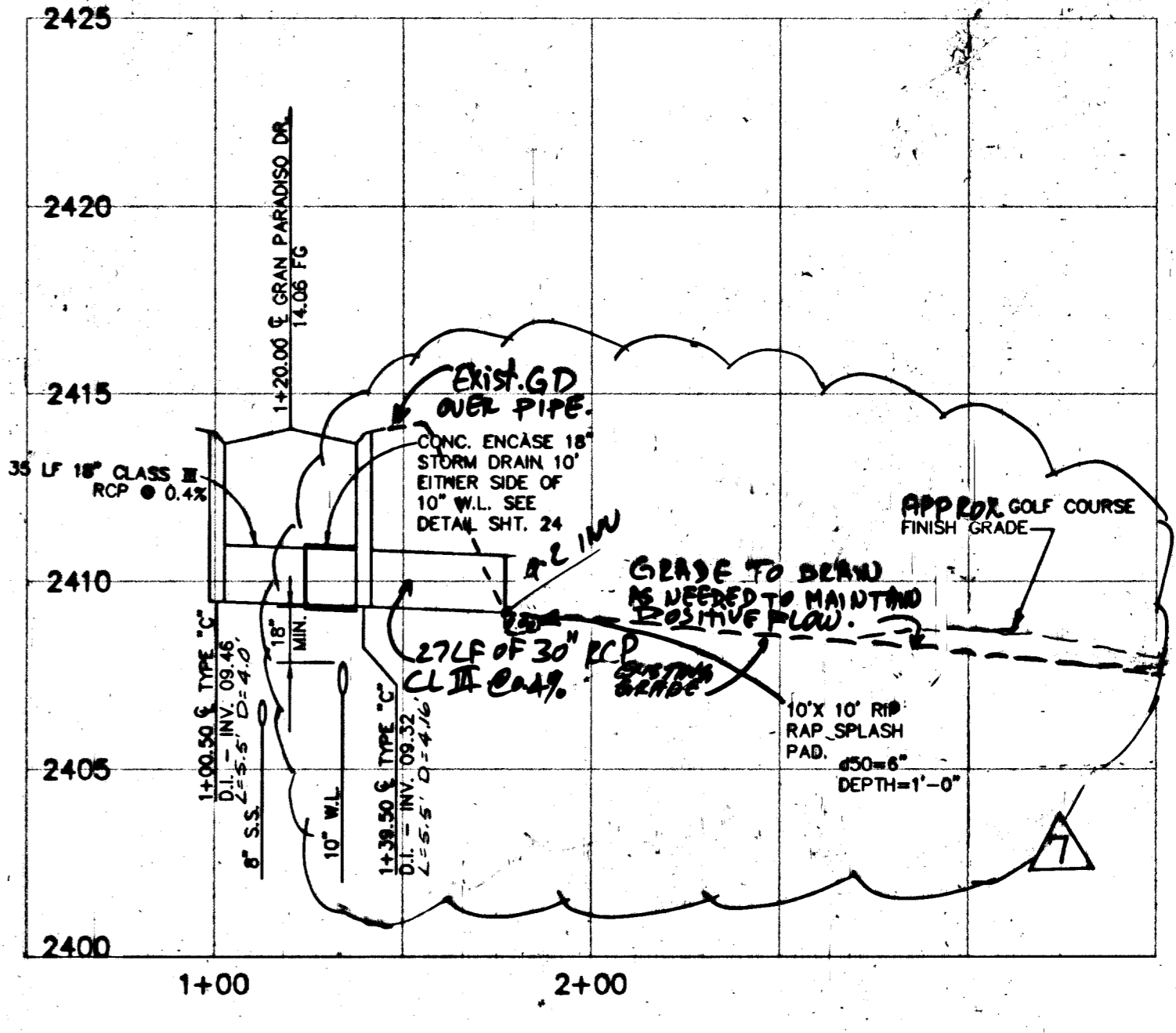
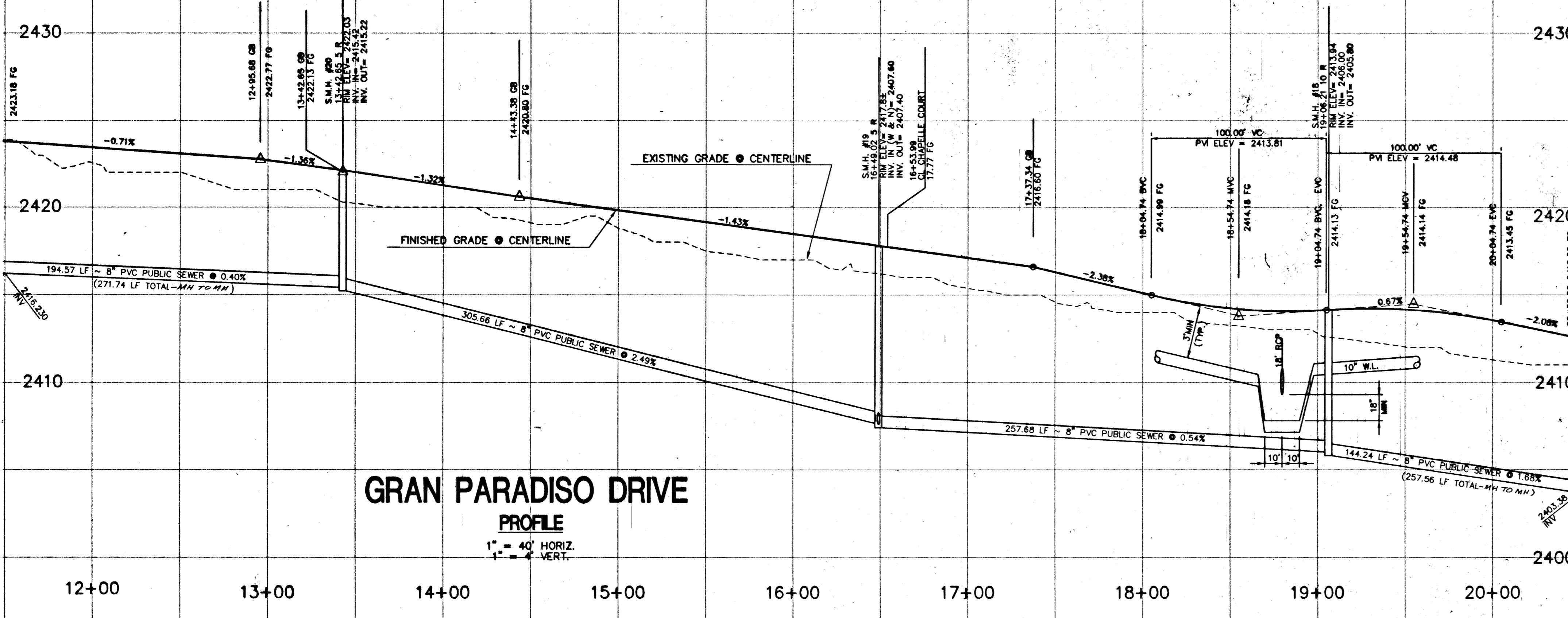
MATCH LINE STA 11+50
SEE SHEET 12

MATCH LINE STA 20+50
SEE SHEET 14

GRAN PARADISO DRIVE

PROFILE

1" = 40' HORIZ.
1" = 4' VERT.

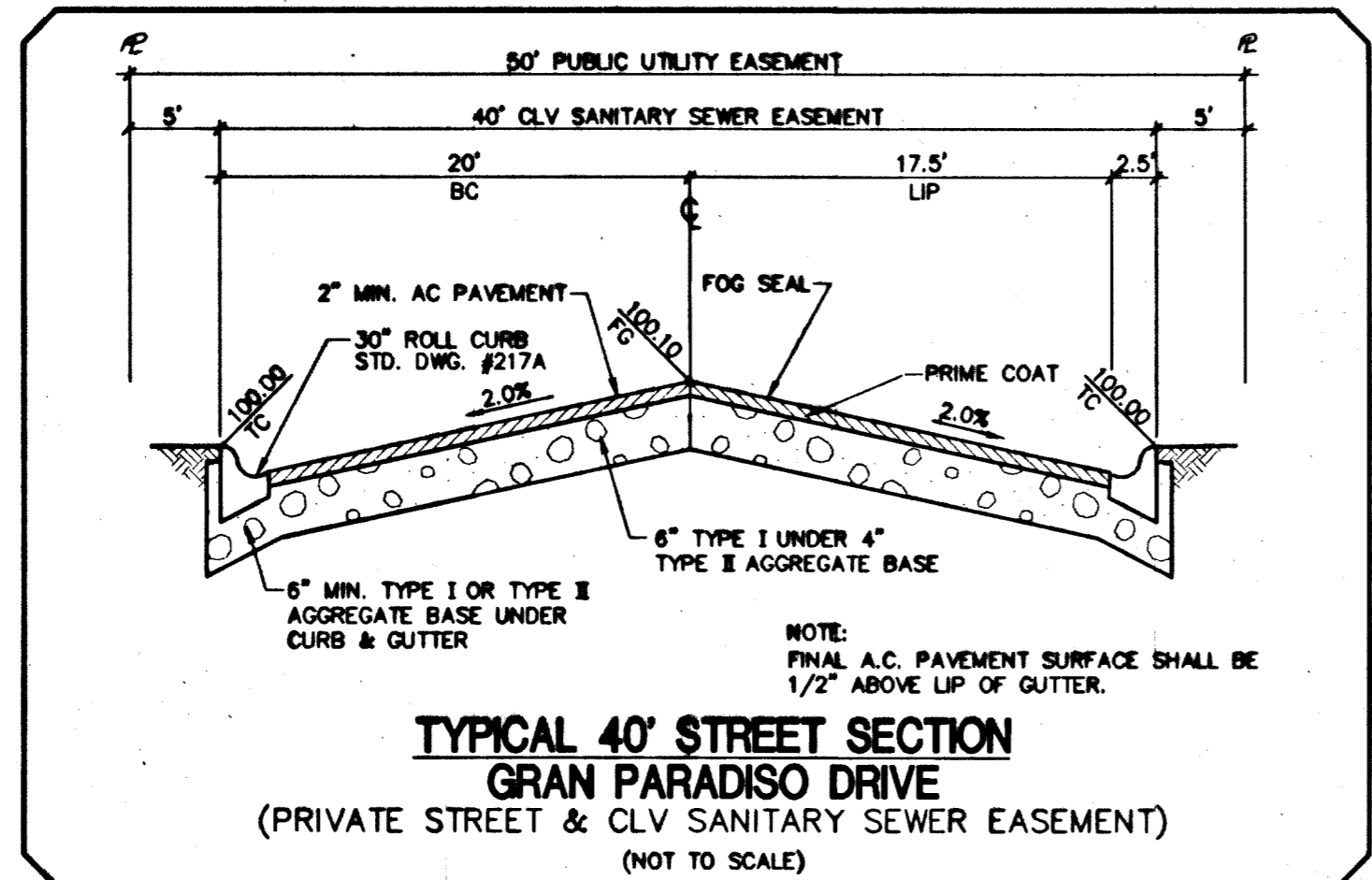


PROFILE "A"

- NOTES**
1. ALL STATIONING IS CENTERLINE STATIONING UNLESS OTHERWISE NOTED.
 2. ALL SEWER LENGTHS ARE FROM MANHOLE CENTER TO MANHOLE CENTER.
 3. CROSS GUTTERS WITH A GRADE OF ONE PERCENT (1%) OR LESS SHALL BE CHECKED FOR GRADE PRIOR TO CONSTRUCTION AND WATER TESTED AS SOON AS POSSIBLE AFTER CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE PROPER DRAINAGE ACROSS ALL CROSS GUTTERS.

TYPICAL WATER/SEWER CROSSING
THE FOLLOWING ARE THE REQUIREMENTS THAT MUST BE MET WHEN THERE IS A WATER-SEWER CROSSING.

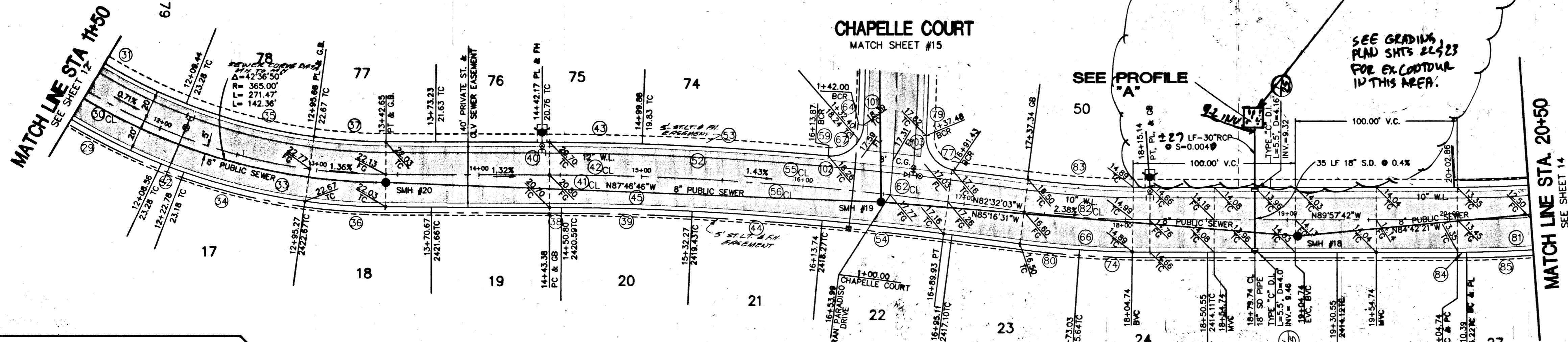
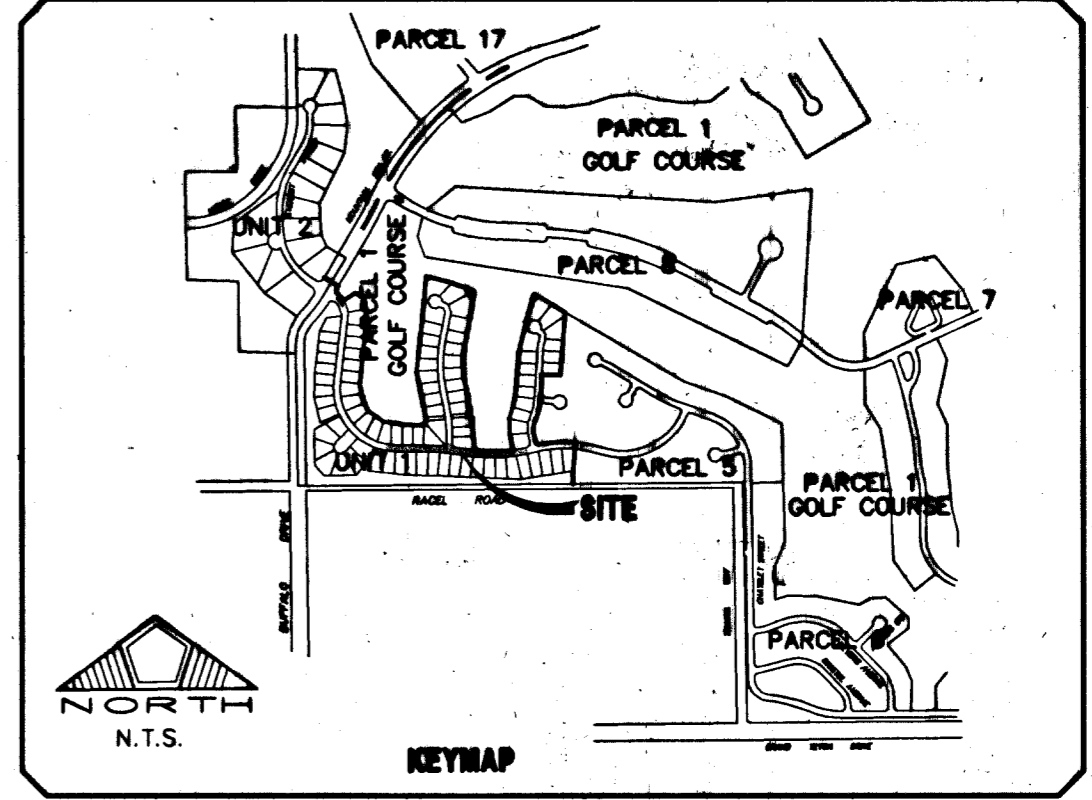
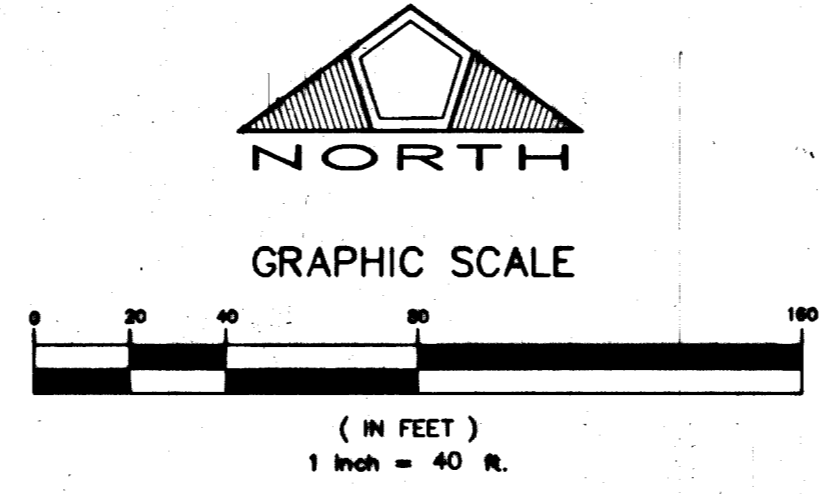
WHEN PROTECTION OF THE WATERLINE IS CONSIDERED, A MINIMUM VERTICAL DISTANCE OF 18 INCHES MUST BE MAINTAINED WHEN THE WATER LINE IS INSTALLED OVER THE SEWER/STORM LINE. IF THIS DISTANCE CANNOT BE MAINTAINED BECAUSE OF PHYSICAL OBSTRUCTIONS OR THE WATERLINE MUST BE PLACED UNDER THE SEWER/STORM LINE, THE SEWER/STORM LINE MUST BE ENCASED WITH A MINIMUM OF 4" OF CONCRETE AROUND THE TOTAL PERIMETER OF THE PIPE. THE ENCASEMENT MUST EXTEND FOR 10 FEET ON EACH SIDE OF THE WATERLINE AT 90 DEGREES TO THE CROSSING.



TYPICAL 40' STREET SECTION
GRAN PARADISO DRIVE
(PRIVATE STREET & CLV SANITARY SEWER EASEMENT)
(NOT TO SCALE)

BENCHMARK
BLM BRASS CAP #41, RAINBOW BLVD. & HORSE DRIVE. STA: 11V90/11W4, ELEV. = 2396.994' (NGVD29) USED (ADD 2.41 FEET TO ALL ELEVATIONS TO CONVERT TO NAVD 88 DATUM)

BASIS OF BEARING
SOUTH 00°37'59" EAST, BEARING OF THE EAST LINE OF THE NORTHEAST (N1/4) OF SECTION 10, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M. AS SHOWN BY A MAP ON FILE IN CLARK COUNTY, NEVADA RECORDER'S OFFICE AS FILE 70, PAGE 15 OF RECORD OF SURVEYS.



GRAN PARADISO DRIVE

(PRIVATE STREET & CLV SEWER EASEMENT)

CURVE	DELTA	RADIUS	LENGTH	TANGENT
29	13°26'02"	380.00'	89.10'	44.75'
30	43°24'02"	360.00'	272.69'	143.26'
31	15°00'03"	340.00'	89.02'	44.76'
32	02°15'43"	380.00'	15.00'	7.50'
33	19°05'38"	383.50'	127.80'	64.50'
34	11°33'15"	383.50'	77.34'	38.80'
35	13°43'32"	340.00'	81.45'	40.92'
36	07°32'23"	383.50'	50.47'	25.27'
37	07°28'30"	340.00'	44.36'	22.21'
38	00°13'07"	1924.18'	7.34'	3.67'
39	00°25'39"	1920.00'	14.33'	7.16'
40	05°02'06"	1960.00'	172.24'	86.18'
41	07°16'53"	1940.00'	246.54'	123.44'
42	06°13'12"	1940.00'	210.61'	105.41'
43	01°40'07"	1960.00'	57.08'	28.54'
44	02°24'22"	1919.99'	80.63'	40.32'
45	07°16'53"	1920.00'	244.00'	122.16'
46	01°06'34"	380.00'	7.36'	3.68'
47	88°31'59"	20.00'	30.90'	19.49'
48	24°09'25"	487.00'	205.33'	104.21'
47	01°11'05"	380.00'	7.86'	3.93'
48	24°09'25"	487.00'	205.33'	104.21'
49	6°59'36"	23.00'	24.48'	13.55'
50	2°59'03"	23.00'	12.04'	6.16'
51	07°27'17"	125.00'	16.26'	8.14'
52	05°02'06"	1960.00'	172.24'	86.18'
53	03°21'59"	1960.00'	115.16'	57.60'
54	02°15'00"	1919.99'	75.40'	37.71'
55	06°13'12"	1940.00'	210.61'	105.41'
56	07°16'53"	1940.00'	246.54'	123.44'
59	64°22'52"	20.00'	22.47'	12.59'
62	22°37'12"	780.50'	308.14'	156.10'
64	27°53'36"	20.00'	9.74'	4.97'
66	07°25'39"	620.00'	80.37'	40.24'
67	92°16'27"	20.00'	32.21'	20.81'
74	04°01'10"	620.00'	43.49'	21.76'
77	85°46'36"	20.00'	29.94'	18.58'
79	02°53'54"	889.50'	45.00'	22.50'
80	03°24'29"	620.00'	36.88'	18.44'
81	14°08'56"	680.00'	167.92'	84.39'
82	07°25'39"	600.00'	77.78'	38.94'
83	07°25'39"	580.00'	75.19'	37.65'
84	00°27'37"	680.00'	5.46'	2.73'
85	06°45'35"	680.00'	80.23'	40.16'
101	01°52'02"	850.50'	27.72'	13.86'
102	00°33'20"	1960.00'	19.01'	9.50'
103	00°36'20"	889.50'	9.40'	4.70'
104	04°07'54"	640.00'	23.08'	11.54'

Bonnie Cliff
LAS VEGAS VALLEY WATER DISTRICT
DATE: 1/13/99
Proj: 6269

Call before you Dig.
1-800-227-2600
UNDERGROUND SERVICE (USA)
10.9.6.47

Call before you OVERHEAD
1-702-593-6111
NEVADA POWER ENVIRONMENT AND SAFETY SERVICES DEPARTMENT

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 LOCATION. CALL BEFORE YOU DIG: 1-800-227-2600.

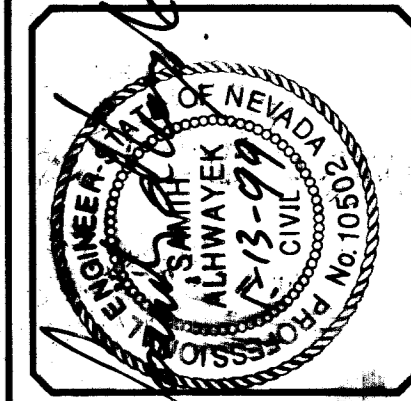
MOUNTAIN SPA RESIDENTIAL DEVELOPMENT, LLC.
2810 WEST CHARLESTON BLVD., SUITE F-58
LAS VEGAS, NV 89102
(702) 870-1234

PENTACORE
CIVIL ENGINEERING, LAND SURVEYING, PLANNING
CONSTRUCTION MANAGEMENT, ADA CONSULTING
LAS VEGAS, NEVADA 89148 (702) 248-0115

GRAN PARADISO DRIVE
PLAN AND PROFILE

MOUNTAIN SPA
UNIT NO. 1

DATE: OCT-98
DRAWN BY: LU
DESIGNED BY:
CHECKED BY:
ADA CHECKED: 0168.0001
JOB NO.: 1034
SCALE: 1" = 40'



SHEET **13** OF 29
C.L.V. DWG.#

NO.	DESCRIPTION	DATE
1	STARTEN STORM DRAIN AND ADJ. UT. GRADES	11-08-98
2		12-22-98
3		01-08-99