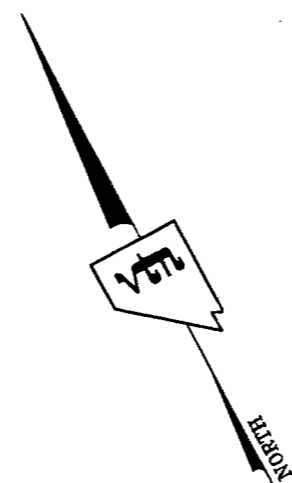
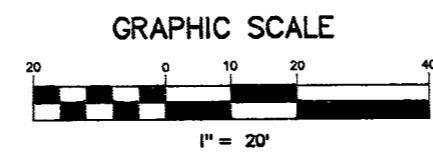


**BASIS OF BEARINGS**  
 THE BASIS OF BEARINGS FOR THIS PROJECT IS NORTH 27°54'36" EAST - THE CENTERLINE OF LAS VEGAS BOULEVARD FROM STATION 187+1077+00.00 TO STATION 187+115+03.54 (AND FREMONT AVENUE) BEARS NORTH 27°54'36" EAST PER NEVADA DEPARTMENT OF HIGHWAY DRAWINGS, PROJECT NUMBER FD08-(3), AS SHOWN BY THAT RECORD OF SURVEY ON FILE IN THE OFFICE OF THE COUNTY RECORDER, CLARK COUNTY, NEVADA, IN FILE 67 OF SURVEYS, AT PAGE 79.

**PROJECT BENCHMARK**  
 PROJECT DATUM: CITY OF LAS VEGAS BENCH MARK NO. CLVBM FREMONT 5 - RIVET AND PLATE IN THE TOP OF CURB AT THE NORTHEAST RETURN OF FREMONT AND LAS VEGAS BOULEVARD.  
 NAVD83 ELEVATION: 2007.32 METERS (6586.70 FEET)

Call before you Dig  
 1-702-455-7511  
 CLARK COUNTY PUBLIC OPERATIONS  
 1-702-229-5611  
 FREEMAN AND METEAL SYSTEM OF TRANSPORTATION

Call before you Overhead  
 1-702-227-2929  
 Call before you Dig  
 1-800-227-5800



**ABBREVIATIONS**

- |       |                    |        |                                 |
|-------|--------------------|--------|---------------------------------|
| FG    | FINISH GRADE       | PT     | POINT OF TANGENCY               |
| FL    | FLOW LINE          | PRC    | POINT OF REVERSE CURVATURE      |
| TC    | TOP OF CURB        | PCC    | POINT OF COMPOUND CURVATURE     |
| TRC   | TOP OF ROLL CURB   | BVC    | BEGIN VERTICAL CURVE            |
| EP    | EDGE OF PAVEMENT   | MVC    | MID-POINT OF VERTICAL CURVE     |
| FUT.  | FUTURE             | END    | END VERTICAL CURVE              |
| EXIST | EXISTING           | PRVC   | POINT OF REVERSE VERTICAL CURVE |
| VG    | VALLEY CUTTER      | VPI    | VERTICAL POINT OF INTERSECTION  |
| NG    | NATURAL GROUND     | TOP    | TOP OF PLANTER WALL             |
| H.P.  | HIGH POINT         | TOE    | TOE OF CHANNEL/SCARP            |
| L.P.  | LOW POINT          | TOE    | TOE OF CHANNEL/SCARP            |
| C/L   | CENTER LINE        | PP     | POWER POLE                      |
| O/C   | OFFSET CROWN       | TRANS. | TRANSITION                      |
| BC    | BACK OF CURB       | RET.   | RETAINMENT                      |
| BOR   | BEGIN CURB RETURN  | INT.   | INTERSECTION                    |
| OB    | TOP OF FOOTING     | D.G.   | DESIGN GRADE                    |
| PC    | POINT OF CURVATURE | TSW    | TOP OF SIDEWALK                 |
| S/W   | SIDEWALK           | TW     | TOP OF WALL                     |

**LEGEND**

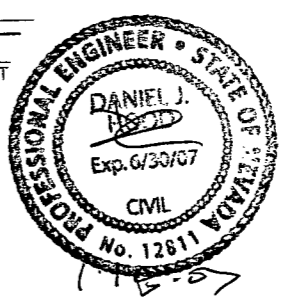
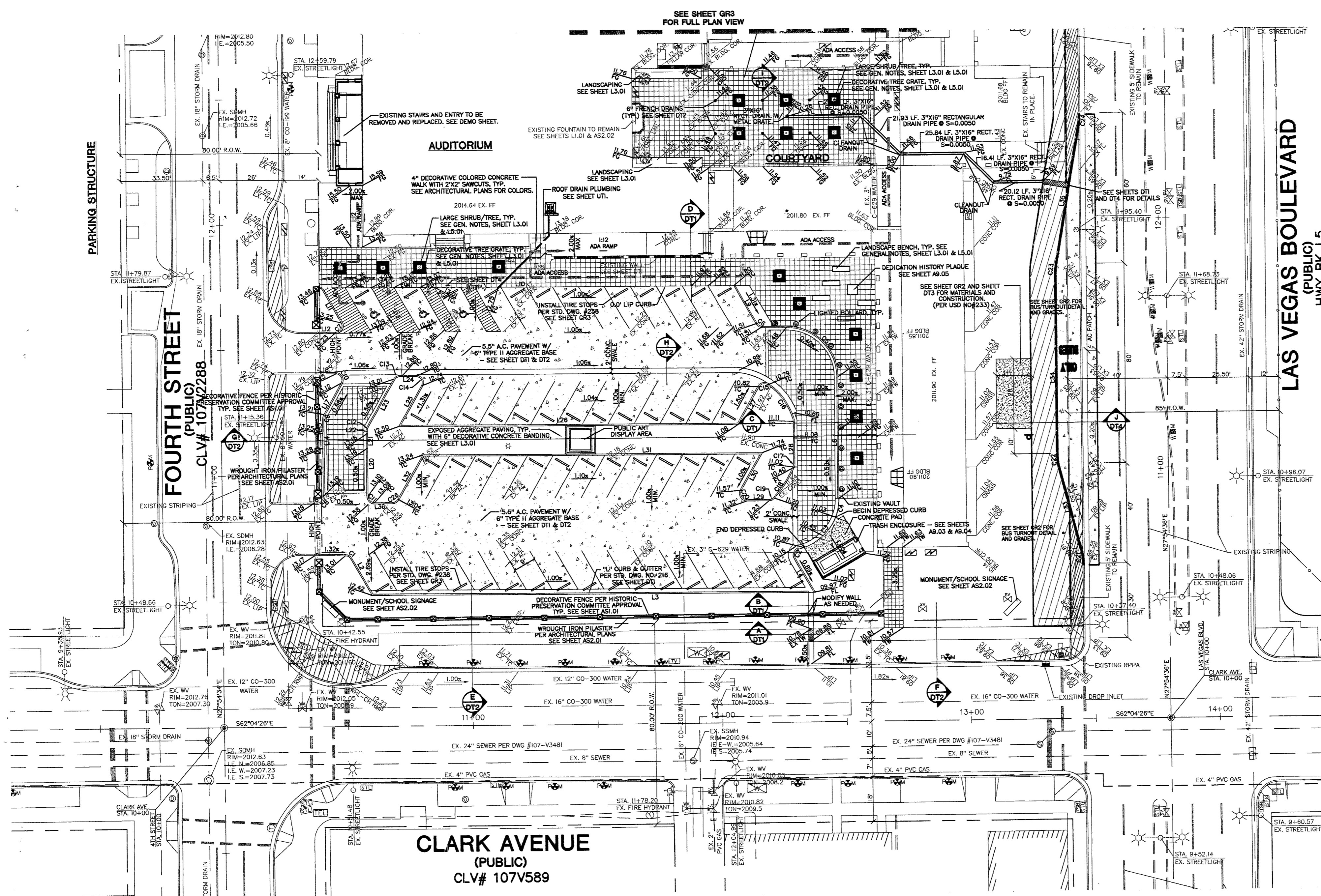
- EX. BUS STOP
  - EX. CATCH BASIN
  - EX. CENTERLINE
  - EX. CHAIN LINK FENCE
  - EX. ELECTRIC VAULT/PULL BOX
  - EX. BUILDING
  - EX. FIRE HYDRANT
  - EX. FLAG POLE
  - EX. FOUND MONUMENT AS NOTED
  - EX. GAS VALVE
  - EX. GUARD POST
  - EX. LIGHT
  - EX. PARKING METER
  - EX. RIGHT OF WAY LINE
  - EX. SANITARY SEWER MANHOLE
  - EX. SIGN
  - EX. STORM DRAIN MANHOLE
  - EX. STREET LIGHT
  - EX. STREET LIGHT PULL BOX
  - EX. TELEPHONE MANHOLE
  - EX. TELEPHONE PULL BOX
  - EX. TRAFFIC LANE DELINEATION
  - EX. VAULT
  - EX. WALL
  - EX. WATER METER
  - EX. WATER VALVE
  - EX. WHEEL CHAIR ACCESS RAMP
  - EX. WROUGHT IRON FENCE
  - ADA ACCESS ROUTE
  - SITE VISIBILITY ZONE
- PROPOSED 5.5" A.C. PAVEMENT W/ 6" TYPE II AGGREGATE BASE @ 90% COMPACTION
- PROPOSED 4" CONCRETE PAD W/ 6" TYPE II AGGREGATE BASE @ 90% COMPACTION
- EXPOSED 6" AGGREGATE PAVING @ 90% COMPACTION
- 4" DECORATIVE COLORED CONCRETE PAVING W/ 2X2" SAWCUTS AND 6" TYPE II AGGREGATE BASE @ 90% COMPACTION
- NEW 4" CONCRETE TO CREATE 10' WIDE SIDEWALK. SEE US04234 ON SHEET D1X.
- EXISTING 5" WIDE PUBLIC CONCRETE SIDEWALK TO REMAIN IN PLACE.

**LINE TABLE**

LINE	LENGTH	BEARING
L1	12.10	S61°24'04"E
L2	17.07	S01°56'08"E
L3	18.22	S51°56'08"E
L4	35.94	N01°56'08"W
L5	48.24	N69°03'32"E
L6	9.33	N61°56'08"W
L7	17.90	N01°56'08"W
L8	165.70	N61°56'08"W
L9	18.23	S01°56'08"E
L10	9.18	N61°51'37"W
L11	19.20	N27°50'09"E
L12	5.66	N27°50'09"E
L13	5.90	N27°50'09"E
L14	1.02	S61°31'00"E
L15	14.28	N07°03'32"E
L16	9.19	N61°53'42"W
L17	19.16	N27°54'48"E
L18	3.66	N27°54'48"E
L19	1.98	N27°54'48"E
L20	21.34	N59°03'32"E
L21	6.43	S61°56'08"W
L22	18.48	S29°03'32"E
L23	136.24	S61°56'08"W
L24	17.02	N59°03'32"E
L25	17.02	S29°03'32"E
L26	17.30	N59°03'32"E
L27	136.25	N61°56'08"W
L28	20.32	S69°03'32"W
L29	36.21	N12°25'07"E
L30	71.81	N27°52'37"E
L31	17.44	N37°52'38"E
L32	7.32	N62°04'26"W

**CURVE TABLE**

CURVE	LENGTH	RADIUS	TANGENT	DELTA
C1	3.00	3.00	1.70	99°26'24"
C2	4.69	2.50	3.40	107°24'01"
C3	19.94	20.50	10.84	55°43'13"
C4	7.76	20.50	2.93	21°40'46"
C5	32.20	20.50	29.50	90°00'00"
C6	2.62	2.50	1.44	59°59'59"
C7	5.24	2.50	4.34	107°00'00"
C8	3.90	2.50	2.36	90°24'00"
C9	1.85	2.50	0.95	39°12'52"
C10	3.11	2.50	1.09	117°05'04"
C11	3.93	2.50	2.50	89°59'14"
C12	1.32	2.50	0.67	30°09'44"
C13	2.62	2.50	1.44	60°00'00"
C14	3.24	2.50	4.33	120°00'00"
C15	4.14	2.45	2.76	96°59'59"
C16	17.23	25.44	8.00	59°03'32"
C17	1.99	2.50	0.95	24°54'00"
C18	14.46	49.46	7.28	16°49'33"
C19	2.11	2.41	1.13	59°18'01"
C20	5.24	2.50	4.33	120°00'00"
C21	4.97	25.00	2.50	112°42'00"
C22	4.80	25.00	2.41	119°38'14"
C23	3.44	25.00	1.73	75°22'22"
C24	3.42	25.00	1.71	75°22'22"
C25	0.73	2.50	0.37	15°49'59"
C26	2.61	2.50	1.44	59°59'14"



THIS SITE IS LOCATED IN FLOOD ZONE "X" AS SHOWN ON FEMA PANEL #320003072E DATED SEPT. 27, 2002

**CITY OF LAS VEGAS**  
 400 EAST STEWART AVENUE  
 LAS VEGAS, NEVADA 89101  
 (702) 229-8535

**CITY OF LAS VEGAS, NEVADA**  
 2727 SOUTH MAINWAY BOULEVARD LAS VEGAS, NEVADA 89146-5448  
 PH. (702) 873-7550 FAX (702) 362-2997

**RECEIVED**  
 JAN 18 2007  
 CITY OF LAS VEGAS DEPARTMENT

**GRADING PLAN  
 FIFTH STREET SCHOOL  
 REHABILITATION  
 BUILDING DEPARTMENT SUBMITTAL**

DESIGNED BY: SAPP  
 CHECKED BY: SAPP  
 PROJECT NO: 0716  
 SCALE: 1" = 20' HORZ. 1" = 20' VERT.

EXPIRES 06-30-07  
 PROFESSIONAL ENGINEER STATE OF NEVADA  
 DANIEL HOOD  
 CIVIL  
 NO. 12811

**SHR1**  
 3 OF 11 SHEETS  
 DRAWING NO.  
 CLV# 513-65E

HANSEN# 18021

113733