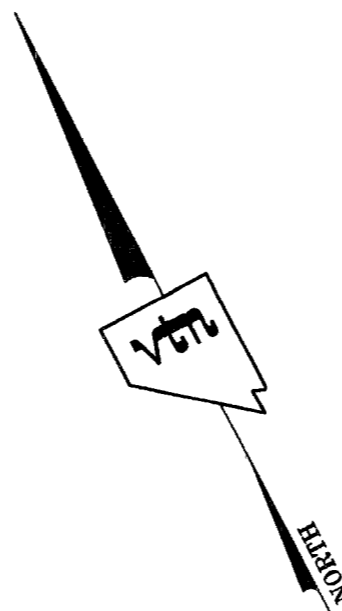
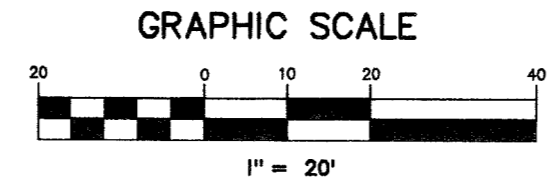


BASIS OF BEARINGS
 THE BASIS OF BEARINGS FOR THIS PROJECT IS NORTH 27°54'36" EAST - THE CENTERLINE OF LAS VEGAS BOULEVARD FROM STATION "B" 1077+00.00 POT TO STATION "B" 1155+93.64 POT (AND FREMONT AVENUE) BEARS NORTH 27°54'36" EAST PER NEVADA DEPARTMENT OF HIGHWAY DRAWINGS, PROJECT NUMBER F005-(3), AS SHOWN BY THAT RECORD OF SURVEY ON FILE IN THE OFFICE OF THE COUNTY RECORDER, CLARK COUNTY, NEVADA, IN FILE 87 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.
 NAVD88 ELEVATION: 2007.32 METERS (6586.70 FEET)

Call before you Dig
 1-702-455-7511
 CLARK COUNTY TRAFFIC OPERATIONS AND
 1-702-229-0611
 FREEMONT AND ARTERIAL SYSTEM OF TRANSPORTATION

Call before you Overhead
 1-702-227-2929
 Avoid cutting underground utility lines. It's costly.
 Call before you Dig
 1-800-227-2600

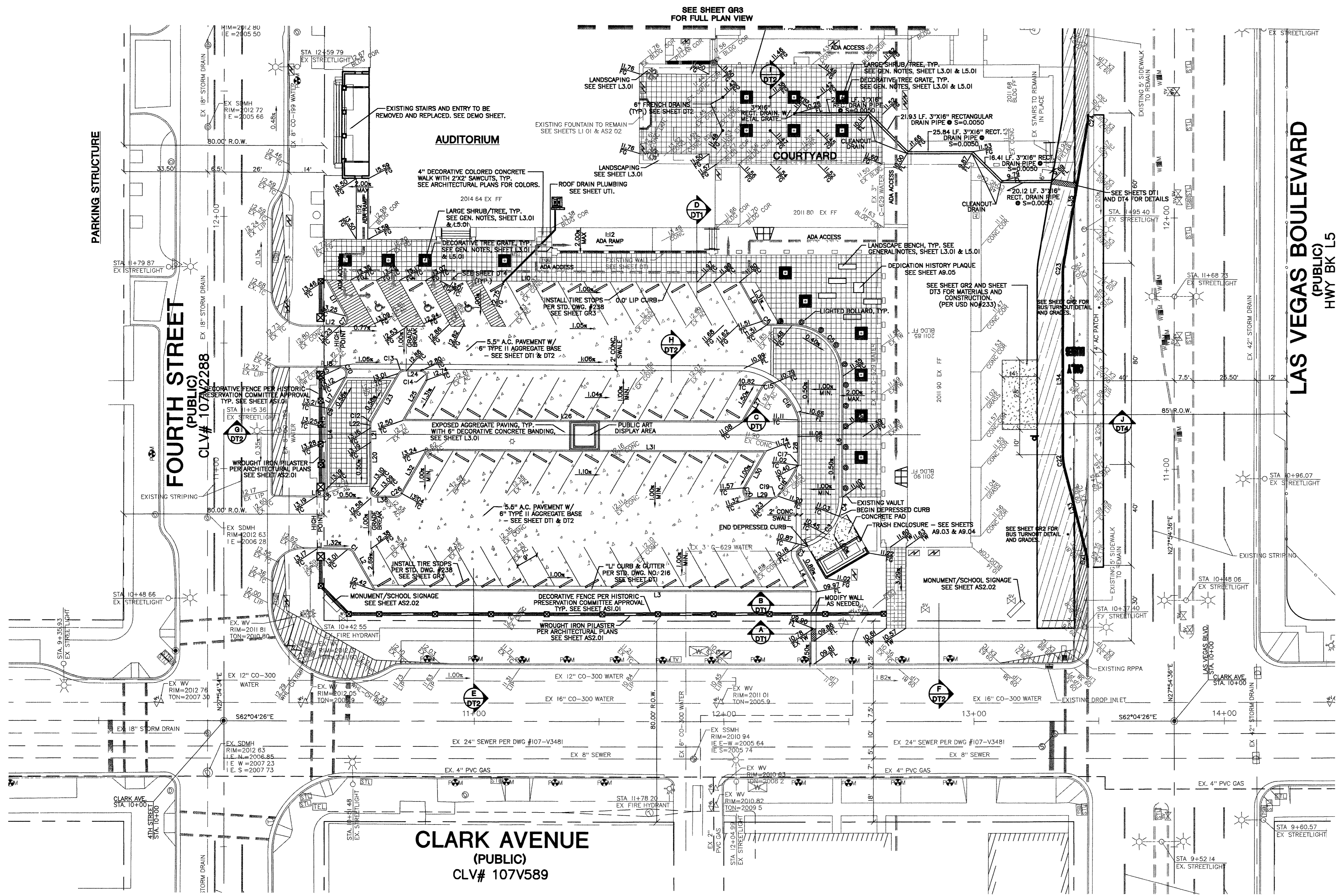


ABBREVIATIONS

FG	FINISH GRADE	PT	POINT OF TANGENCY
FL	FLOW LINE	PRC	POINT OF REVERSE CURVATURE
TO	TOP OF CURB	PVC	POINT OF COMPOUND CURVATURE
TRC	TOP OF ROLL CURB	BVC	BEGIN VERTICAL CURVE
EP	EDGE OF PAVEMENT	EVC	END VERTICAL CURVE
FUT.	FUTURE	PRVC	POINT OF REVERSE VERTICAL CURVE
EX	EXISTING	VPI	VERTICAL POINT OF INTERSECTION
VG	VALLEY GUTTER	TPW	TOP OF PLANTER WALL
NG	NATURAL GROUND	TOE	TOP OF CHANNEL/SCARP
HP	HIGH POINT	TOB	TOP OF BOX
LP	LOW POINT	PP	POWER POLE
C/L	CENTER LINE	TRANS.	TRANSITION
O/C	OFFSET CROWN	RET.	RETAINMENT
BC	BACK OF CURB	INT.	INTERSECTION
BCR	BEGIN CURB RETURN	D.G.	DESIGN GRADE
TF	TOP OF FOOTING	TSW	TOP OF SIDEWALK
GB	GRADE BREAK	TW	TOP OF WALL
PC	POINT OF CURVATURE		
S/W	SIDEWALK		

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/ 2\"/>	4" DECORATIVE COLORED CONCRETE PAVING W/ 2" X 2" SAWCUTS AND 6" TYPE II AGGREGATE BASE @ 90% COMPACTION.
	NEW 4" CONCRETE TO CREATE 10' WIDE SIDEWALK SEE USD#234 ON SHEET DT3	
	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	188.82	S61°56'08"E
L4	15.94	N01°56'08"W
L5	15.94	N28°03'52"E
L6	48.24	N61°56'08"W
L7	9.53	N61°56'08"W
L8	9.53	N01°56'08"W
L9	17.90	N61°56'08"W
L10	165.70	N61°56'08"W
L11	16.23	S01°56'08"E
L12	9.18	N61°51'37"W
L13	19.20	N27°55'09"E
L14	5.66	N27°55'09"E
L15	5.90	N27°55'09"E
L16	1.82	S61°31'00"E
L17	14.28	N58°03'52"E
L18	9.19	N61°53'49"W
L19	19.16	N27°54'48"E
L20	5.66	N27°54'48"E
L21	1.38	N27°54'48"E
L22	1.38	N27°54'48"E
L23	21.54	N58°03'52"E
L24	6.43	S61°56'08"E
L25	18.48	S58°03'52"W
L26	136.24	S61°56'08"E
L27	17.02	N58°03'52"E
L28	17.02	S28°03'52"W
L29	8.96	N61°56'08"W
L30	17.30	N58°03'52"E
L31	136.24	N61°56'08"W
L32	20.52	S58°03'52"W
L33	36.21	N13°25'07"E
L34	71.81	N27°52'57"E
L35	57.40	N37°32'38"E
L36	7.32	N62°04'26"W

CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	DELTA
C1	310	300	170	59°06'54"
C2	4.69	2.50	3.40	107°24'01"
C3	19.94	20.50	10.28	154°23'04"
C4	7.75	20.50	3.93	21°40'48"
C5	32.20	20.50	20.50	90°00'00"
C6	2.62	2.50	1.44	59°59'59"
C7	5.24	2.50	4.34	120°05'05"
C8	3.95	2.50	2.93	90°41'28"
C9	1.85	3.50	0.95	30°21'52"
C10	5.11	2.50	4.09	117°05'04"
C11	3.93	2.50	2.50	89°59'14"
C12	1.32	2.50	0.67	30°09'04"
C13	2.62	2.50	1.44	60°08'07"
C14	5.24	2.50	4.33	120°00'00"
C15	4.14	2.45	2.76	86°35'59"
C16	17.33	25.94	9.00	38°15'43"
C17	1.09	2.50	0.55	24°54'08"
C18	14.46	49.46	7.28	16°45'33"
C19	2.11	2.41	1.13	50°18'01"
C20	5.24	2.50	4.33	120°00'00"
C21	4.97	25.00	2.50	11°24'02"
C22	4.80	25.05	2.41	10°58'14"
C23	3.44	25.00	1.71	7°50'22"
C24	3.42	25.00	1.71	7°50'22"
C25	0.73	2.50	0.37	16°40'29"
C26	2.61	2.50	1.44	59°51'42"

THIS SITE IS LOCATED IN FLOOD ZONE "X" AS SHOWN ON FEMA PANEL #32003C2170E DATED SEPT. 27, 2002

CITY OF LAS VEGAS
 400 EAST STEWART AVENUE
 LAS VEGAS, NEVADA 89101
 (702) 229-6535

GRADING PLAN
FIFTH STREET SCHOOL

FIFTH STREET SCHOOL REHABILITATION
BUILDING DEPARTMENT SUBMITTAL

DESIGNED BY: SPMPA
 CHECKED BY:
 PROJECT NO: 678

EXPIRES 08-30-07

DANIEL J. MOOD
 CIVIL ENGINEER
 No. 12811

SHEET
GR1
 3 OF 11 SHEETS
 DRAWING NO.
CLV# 513-65E

HANSEN# 18021