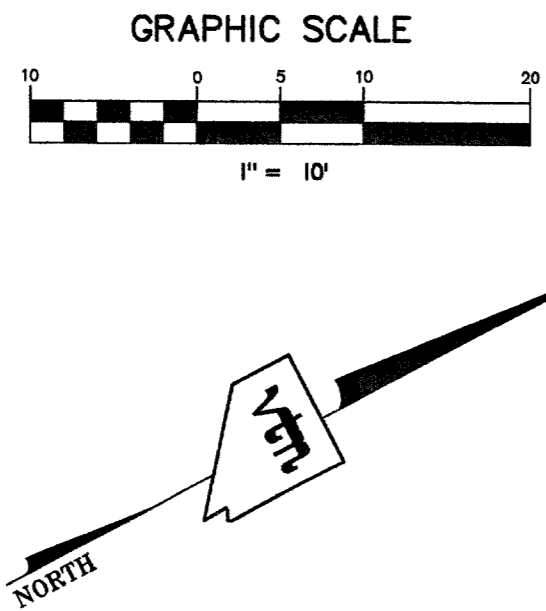


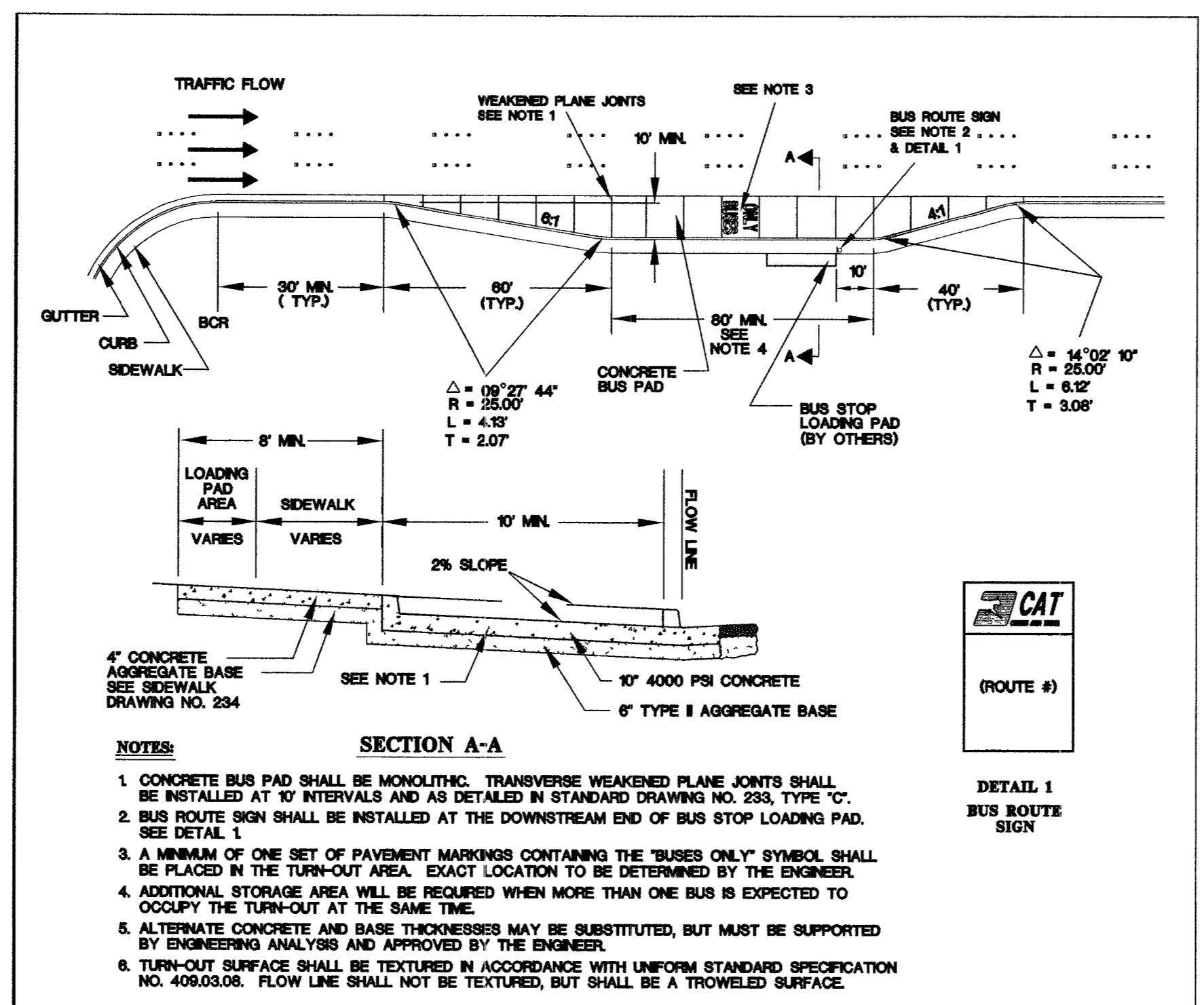
Call before you Dig
1-702-455-7511
CLARK COUNTY TRAFFIC OPERATIONS
1-702-229-6611
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

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



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" 1055+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 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.
NAVD88 ELEVATION: 2007.32 METERS (6586.70 FEET)



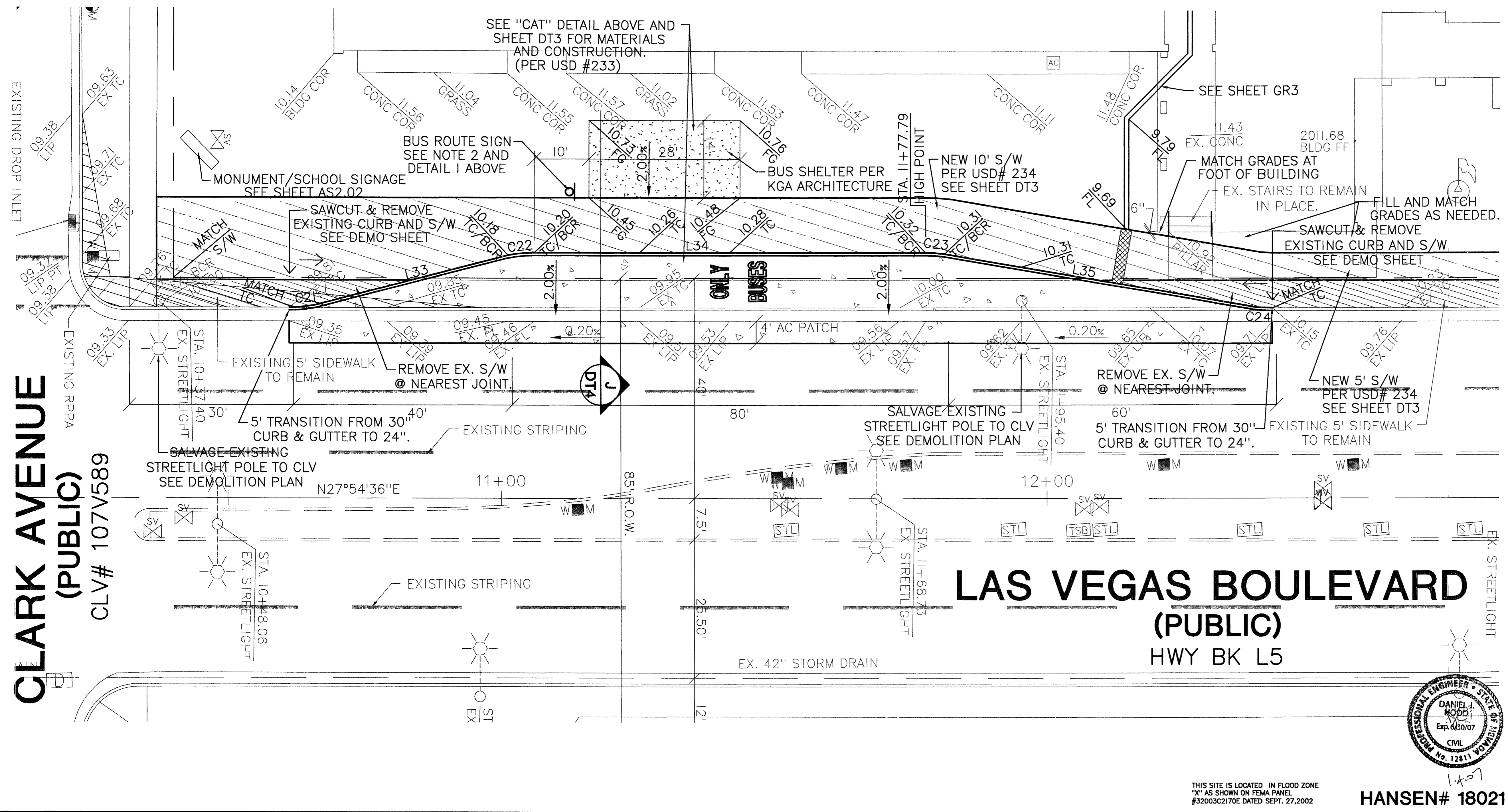
ABBREVIATIONS

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

- LEGEND**
- [Pattern] PROPOSED 4" CONCRETE PAD W/ 6" TYPE II AGGREGATE BASE @ 90% COMPACTION.
 - [Pattern] NEW 4" CONCRETE TO CREATE 10' WIDE SIDEWALK. SEE USD#234 ON SHEET DT3
 - [Pattern] EXISTING 5' WIDE PUBLIC CONCRETE SIDEWALK TO REMAIN IN PLACE.

LEGEND

- [Symbol] EX. BUS STOP
- [Symbol] EX. CATCH BASIN
- [Symbol] EX. CENTERLINE
- [Symbol] EX. CHAIN LINK FENCE
- [Symbol] EX. ELECTRIC VAULT/PULL BOX
- [Symbol] EX. BUILDING
- [Symbol] EX. FIRE HYDRANT
- [Symbol] EX. FLAG POLE
- [Symbol] EX. FOUND MONUMENT AS NOTED
- [Symbol] EX. GAS VALVE
- [Symbol] EX. GUARD POST
- [Symbol] EX. LIGHT
- [Symbol] EX. PARKING METER
- [Symbol] EX. RIGHT OF WAY LINE
- [Symbol] EX. SANITARY SEWER MANHOLE
- [Symbol] EX. SIGN
- [Symbol] EX. STORM DRAIN MANHOLE
- [Symbol] EX. STREET LIGHT
- [Symbol] EX. STREET LIGHT PULL BOX
- [Symbol] EX. TELEPHONE MANHOLE
- [Symbol] EX. TELEPHONE PULL BOX
- [Symbol] EX. TRAFFIC LANE DELINEATION
- [Symbol] EX. VAULT
- [Symbol] EX. WALL
- [Symbol] EX. WATER METER
- [Symbol] EX. WATER VALVE
- [Symbol] EX. WHEEL CHAIR ACCESS RAMP
- [Symbol] EX. WROUGHT IRON FENCE
- [Symbol] SITE VISIBILITY ZONE



LINE TABLE

LINE	LENGTH	BEARING
L1	12.10	S61°24'04"E
L2	17.07	S01°56'08"E
L3	188.22	S61°56'08"E
L4	15.94	N01°56'08"W
L6	48.24	N28°03'52"E
L8	9.53	N61°56'08"W
L9	17.90	N01°56'08"W
L10	165.70	N61°56'07"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	1.02	S61°31'00"E
L17	14.28	N58°03'52"E
L18	9.19	N61°53'49"W
L20	19.16	N27°54'48"E
L21	5.66	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	136.25	N61°56'08"W
L32	20.32	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	3.10	3.00	1.70	59°06'54"
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	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	2.52	90°34'12"
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°00'00"
C14	5.24	2.50	4.33	120°00'00"
C15	4.14	2.45	2.76	96°35'59"
C16	17.33	25.94	9.00	38°15'43"
C17	1.09	2.50	0.55	24°54'00"
C18	14.46	49.46	7.28	16°45'13"
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	1.72	7°52'22"
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"

CITY OF LAS VEGAS
440 EAST STEWART AVENUE
LAS VEGAS, NV 89101
(702) 229-8535

**GRADING PLAN
FIFTH STREET SCHOOL**

**FIFTH STREET SCHOOL
REHABILITATION
BUILDING DEPARTMENT SUBMITTAL**

2727 SOUTH RAINBOW BOULEVARD LAS VEGAS, NEVADA 89146-5148
PH: (702) 873-7550 FAX: (702) 362-2597

mtm nevada
CONSULTING ENGINEERS PLANNERS AND SURVEYORS

DRAWN BY: [Signature]
DESIGNED BY: [Signature]
CHECKED BY: [Signature]

PROJECT NO: 6716
SCALE: 1"=10' HORIZ. 1"=10' VERT.

EXPIRES 06-30-07

DANIEL J. HOOD
PROFESSIONAL ENGINEER - STATE OF NEVADA
NO. 12811
CIVIL

SHEET
GR2
4 OF 11 SHEETS
DRAWING NO.
CLV# 513-65E

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

HANSEN# 18021