ABBREVIATIONS

A.C.	ASPHALTIC CONCRETE
A.C.P.	ASBESTOS CEMENT PIPE
ADJ.	ADJUST, ADJUSTABLE
B.C.	BEGINNING OF CURBOR BACK OF CURB
B.C.R.	BEGINNING OF CURB RETURN OR BACK OF CURB RADIUS
BDRY.	BOUNDARY
BEG.	BEGIN
B.M.	BENCHMARK
B.S.W.	BACK OF SIDEWALK
B.V.C.	BEGINNING OF VERTICAL CURVE
C & G	CURB AND GUTTER
C.F.	CURB FACE
C.I.P.	CAST IRON PIPE
℄	CENTERLINE
C.M.P.	CORRUGATED METAL PIPE
CONC.	CONCRETE
CONSTR.	CONSTRUCT, CONSTRUCTION
D.C.	DEPRESSED CURB
D.I.	DROP INLET
DIA.	DIAMETER
D.I.P.	DUCTILE IRON PIPE
D.M.H.	DROP MANHOLE
E.C.	END OF CURVE
E.C.R.	END OF CURB RETURN
EL.	ELEVATION
E.P.	EDGE OF PAVING
E.V.C.	EDGE OF VERTICAL CURVE
EXIST.	EXISTING
FIN. FLR.	FINISH FLOOR
FIN. GR.	FINISH GRADE
F.H.	FIRE HYDRANT
℄	FLOW LINE
G	GAS
GR. BRK.	GRADE BREAK
HGT	HEIGHT
HORIZ.	HORIZONTAL
H.P.	HIGH POINT
I.D.	INSIDE DIAMETER
INV.	INVERT
LAT.	LATERAL
L.F.	LINEAL FEET
LT.	LEFT
MAX.	MAXIMUM
M.H.	MANHOLE
MIN.	MINIMUM
NO.	NUMBER
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
P	POWERLINE
P.C.	POINT OF CURVATURE
P.C.C.	POINT OF COMPOUND CURVE
P.G.	PAD GRADE
P.H.P.	PLASTIC HIGH PRESSURE
P.I.	POINT OF INTERSECTION
℄	PROPERTY LINE
P.P.	POWER POLE
P.R.C.	POINT OF REVERSE CURVE
PROP.	PROPOSED
P.T.	POINT OF TANGENT
P.V.C.	POLYVINYL CHLORIDE PIPE
P.V.I.	POINT OF VERTICAL INTERSECTION
PVMT.	PAVEMENT
Q	RATE OF FLOW
RAD.	RADIUS
R.C.P.	REINFORCED CONCRETE PIOE
RT.	RIGHT
R/W	RIGHT OF WAY
S	SOUTH, SANITARY SEWER
S.D.	STORM DRAIN
S.H.P.	STEEL HIGH PRESSURE
SHT.	SHEET
SP. M.H.	SPECIAL MANHOLE
STA.	STATION
STD.	STANDARD
STL.	STEEL
SW	SIDEWALK
T	TANGENT DISTANCE
TEL.	TELEPHONE
T.C.	TOP OF CURB
T.O.C.	TOP OF CONCRETE
T.M.H.	TOP OF MANHOLE
T.O.W.	TOP OF WALL
TRANS.	TRANSITION
T.S.C.	TRAFFIC SIGNAL CONDUIT
T.S.W.	TOP OF SIDEWALK
V.C.	VERTICAL CURVE
V.C.P.	VITRIFIED CLAY PIPE
VERT.	VERTICAL
V.G.	VALLEY GUTTER
W	WEST, WATER

SYMBOL LEGEND

EXISTING	PROPOSED	
		RIGHT OF WAY PROPERTY LINE
		CENTERLINE
		WATER LINE
		SANITARY SEWER LINE
		GAS LINE
		STORM DRAIN
		POWER LINE POWER POLE
		TELEPHONE LINE
		FIRE HYDRANT
		WATER VALVE
		METERS PULL BOXES
		REDUCER
		MANHOLE
		CLEANOUT
		STREET LIGHT
		ROOF DRAIN
		FIRE LINE
		SCREEN RETAINING WALL
		WIRE OR CHAIN LINK FENCE
		TRASH ENCLOSURE
		GRADE BREAK
		SAWCUT
EP	EP	EDGE OF PAVEMENT
	CO IE=0.00	CLEANOUT INVERT ELEVATION
0.00 ℄	0.00 ℄	FLOW LINE
	FIN FLR =0.00	FINISH FLOOR
	0.00 FIN GR	FINISH GRADE
2521.40		EXISTING FINISH GRADE
(0.00) T C	0.00 T C 0.00 T.P.	TOP OF CURB TOP OF PAVEMENT
		CONCRETE
		A.C. PAVING (SHADED)
		CONNECTION POINT TO BUILDING DRAIN

GENERAL NOTES

DRAWING INDEX

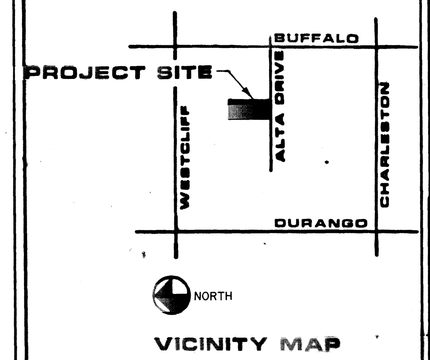
CG 1.01	1	CIVIL INDEX SHEET
C 1.01	2	APPROVAL SHEET
C 2.01	3	SITE PLAN
C 3.01	4	GRADING PLAN
C 3.02	5	COURTYARD DRAINAGE PLAN
C 4.01	6	OFF-SITE IMPROVEMENTS
C 4.02	7	OFF-SITE IMPROVEMENTS
C 4.03	8	OFF-SITE IMPROVEMENTS
C 5.01	9	UTILITY PLAN
C 6.01	10	DETAILS
C 6.02	11	COURT AND FIELD DETAILS

BENCHMARK

NE Corner of Section 33, T20S, R60E, M.D.B.&M., drive rivet in 2"x2" aluminum plate located at the intersection of Westcliff Dr. and Buffalo Dr.:

EQUATION City of Las Vegas Elevation 2485.95 =
Project Elevaton 2489.95

VICINITY MAP



VICINITY MAP

DESIGN ANALYSIS

FIRE FLOW

DESCPRITION: SEPERATE BUILDINGS ON SAME PROPERTY, FULLY SPRINKLED.

TYPE OF CONSTRUCTION: BUILDINGS I, II, III - TYPE II N
BUILDING IV - TYPE III 1 HOUR

SQUARE FOOTAGE:	BUILDING I	57,583 SQ FT.
	BUILDING II	38,180 SQ FT.
	BUILDING III	10,377 SQ FT.
	BUILDING IV	37,900 SQ FT.
		144,040 SQ FT.

FIRE FLOW = 2733 GPM

OFFSITE QUANTITY ESTIMATE

ITEM	DESCRIPTION	QUANTITY
1	2" Asphaltic Concrete Paving	3440 S.Y.
2	3" Asphaltic Concrete Paving	4750 S.Y.
3	4" Asphaltic Concrete Paving	2450 S.Y.
4	Type I Gravel Base	2200 C.Y.
5	Type II Gravel Base	1500 C.Y.
6	Excavation and Embankment	11,700 C.Y.
7	Curb and Gutter	2570 L.F.
8	Driveway	600 S.F.
9	Valley Gutter	800 S.F.
10	Sidewalk	12,240 S.F.
11	Streetlight (Std. Base)	7 E.A.
12	Handicap Ramp	2 E.A.
13	8" Sewer	332 L.F.
14	Sewer Manholes Over 6 Feet	1 E.A.
15	10" Water Main	405 L.F.
15	Fire Hydrant	3 E.A.
16	Water Service to Lots	2 E.A.
17	Power to Lots	1 E.A.
18	Telephone to Lots	1 E.A.
19	Pullbox	2 E.A.
20	Street/Stop Signs	3 E.A.
21	Manhole	1 E.A.
	Quantities are Estimated for City of Las Vegas Purposes Only and are Not Guaranteed for Construction.	

REVISIONS

REV.	DESCRIPTION	DATE	BY

12-1-89

CALDWELL RICHARDS & SJOBERSON, INC.
CONSULTING ENGINEERS

CLARK COUNTY SCHOOL DISTRICT
SPECIAL PROJECTS 4260 EUCALYPTUS ANNEX LAS VEGAS, NEVADA 89121 799-5025

PROJECT: WALTER D. JOHNSON JUNIOR HIGH SCHOOL

DRAWING TITLE: CIVIL INDEX SHEET

SHEET NO. CG 1.01

1816-4

715-65

ABBREVIATIONS

SYMBOL LEGEND

GENERAL NOTES

DRAWING INDEX

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VICINITY MAP

DESIGN ANALYSIS

CLARK COUNTY SCHOOL DISTRICT

WALTER D. JOHNSON JUNIOR HIGH SCHOOL

CIVIL INDEX SHEET

CG 1.01