AMENDED HORIZONTAL CONTROL AND GRADING PLAN FOR
NEW COMMERCIAL BUILDING AT
TONOPAH TERRACE

CLV GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA NEVADA", LATEST ISSUE; THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA", LATEST ISSUE; AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY; THE UNIFORM BUILDING CODE; AND ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE, EXCEPT AS NOTED ON THIS SHEET AS "DEVIATIONS FROM STANDARDS".
2. THE EXISTENCE AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITY LINES, PIPES, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A RESEARCH OF THE AVAILABLE RECORDS. EXISTING UTILITIES ARE LOCATED ON PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL UNDERGROUND AND OVERHEAD INTERFERENCES WHICH MAY AFFECT HIS OPERATION DURING CONSTRUCTION AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD OR UNDERGROUND POWER, GAS AND/OR OTHER UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COSTS AND LIABILITY IN CONNECTION THEREWITH.
3. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITY LINES, STRUCTURES, AND STREET IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE, AND ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED SATISFACTORY TO THE CITY ENGINEER OR OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.
4. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS, ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.
5. TYPE V CEMENT SHALL BE USED IN ALL OFF-SITE CONCRETE WORK. CONCRETE TO BE 3000 P.S.I. MINIMUM @ 28 DAYS. MIX DESIGN TO BE APPROVED BY THE QUALITY CONTROL DIVISION PRIOR TO USE ON THE PROJECT.
6. PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT OF WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.
7. EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300' IN EXTRUDED TYPE CURB.
8. AC PAVEMENT TO BE 1\2" ABOVE LIP OF ALL GUTTERS AFTER COMPACTION, EXEPT AT SIDEWALK RAMPS.
9. APPLY FOG SEAL ONLY AFTER ALL CORRECTIONS AND ADJUSTMENTS HAVE BEEN MADE.
10. CURB & GUTTER WITH A GRADE OF LESS THAN FOUR TENTHS OF ONE PERCENT SHALL BE WATER TESTED AS SOON AS POSSIBLE AFTER CONSTRUCTION. ANY CURB AND GUTTER FOUND TO BE UNACCEPTABLE TO THE CITY SHALL BE REMOVED AND REPLACED.
11. SIDEWALK RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER STANDARD DRAWING 235. EXACT LOCATION OF RAMPS MAY BE ADJUSTED IN THE FIELD BY A CITY INSPECTOR.
12. CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO NEW CONSTRUCTION. THE EXTENT OF TRANSITIONS TO BE AS SHOWN ON PLANS, OR AS DESIGNATED IN THE FIELD BY A CITY INSPECTOR.
13. ALL GRADING WORK SHALL CONFORM TO THE SOILS REPORT AS PREPARED BY WESTERN TECHNOLOGIES #4126JD094 DATED: JUNE 12, 1996) AND APPROVED BY THE CITY ENGINEER, AND AS SHOWN ON THESE PLANS.
14. EXACT LOCATION OF ALL SAWCUT LINES MAY BE DETERMINED IN THE FIELD BY A CITY OF LAS VEGAS INSPECTOR IF LOCATION ON PLANS IS NOT CLEARLY SHOWN, OR EXISTING PAVEMENT CONDITION REQUIRES RELOCATION.
15. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER AVAILABLE RECORDS IN ACCORDANCE WITH N.R.S. STATUTE NO. 625.550.
16. UTILITY COMPANY METER BOXES, MANHOLE LIDS, VALVE COVERS, ETC. SHALL BE LOCATED OUT OF DRIVEWAYS, DRIVEWAY APRONS, FLOWLINES, AND CROSS GUTTERS UNLESS WRITTEN APPROVAL IS GRANTED BY THE UTILITY COMPANY AND THE CITY ENGINEER.
17. WALL NOTES:
    A. ALL WALLS, NEW OR EXISTING, ARE ONLY SHOWN FOR THE PURPOSE OF GRADING RELATIONSHIPS.
    B THE STRUCTURAL AND ARCHITECTURAL DESIGN OF ALL WALLS (RETAINING OR NON-RETAINING) MUST BE APPROVED BY THE CLV BUILDING DEPARTMENT.
18. ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT ON CITY STREETS.

SHEET INDEX

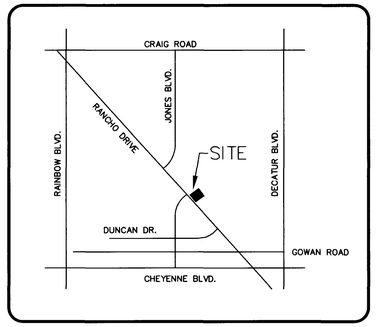
SHEET #	DESCRIPTION
1	AMENDED COVER SHEET & NOTES
2	AMENDED HORIZONTAL CONTROL
3	AMENDED GRADING PLAN
4	AMENDED ALLEY GRADING PLAN

CONSTRUCTION NOTES

1. INSTALL "A" TYPE CURB PER UNIFORM STANDARD DRAWINGS – CLARK COUNTY AREA DRAWING NO. 219
2. INSTALL "L" TYPE CURB PER UNIFORM STANDARD DRAWINGS – CLARK COUNTY AREA DRAWING NO. 216
3. CONSTRUCT COMMERCIAL DRIVEWAY AND CROSS GUTTER PER NDOT STANDARD PLAN DRAWING R-5.1.1.5-(613)
4. INSTALL 3" OF AC PAVEMENT OVER 6" OF TYPE II BASE PER THE GEOTECHNICAL REPORT
5. INSTALL CLASS "B" CONCRETE "V" GUTTER PER DETAIL (4/3)
6. CONSTRUCT SIDEWALK RAMP PER NDOT STANDARD PLAN DRAWING R-5.1.1.5-(613), TYPE 'B'
7. CONSTRUCT 6' WIDE CLASS 'B' CONCRETE SIDEWALK AND TYPE 5 CONCRETE CURB AND GUTTER PER NDOT STANDARD PLAN R-5.1.1(613)
8. SIGHT VISIBILITY EASEMENT PER DRAWING NO. 404.1600 OF UNIFORM STANDARD DRAWINGS. NO VIEW OBSTRUCTION OVER 30" ABOVE TOP OF CURB ALLOWED IN THIS AREA.
9. CONSTRUCT 8" CMU BLOCK WALL PER CLV STANDARD DRAWING.
10. CONSTRUCT 8" CMU BLOCK RETAINING WALL PER CLV STANDARD DRAWING.
11. INSTALL COURSE AGGREGATE MATERIAL 8" THICK INBOARD SIDE OF CHANNEL BERM
12. INSTALL 4' VALLEY GUTTER PER DETAIL (5/3)

GENERAL NOTES

1. ALL STATIONING IS CENTERLINE STATIONING UNLESS OTHERWISE NOTED
2. THESE IMPROVEMENT PLANS ARE AN AMENDMENT TO THE PREVIOUSLY APPROVED PLANS (#107-V2644) PREPARED BY KENNETH J. ERLANGER (PE#9678) AND DATED 1-6-97.



VICINITY MAP
NO SCALE

CLV GRADING NOTES

1. IN THE EVENT THAT ANY UNFORESEEN CONDITIONS NOT COVERED BY THESE NOTES ARE ENCOUNTERED DURING GRADING OPERATIONS, THE OWNER/ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTION.
2. IT SHALL BE THE RESPONIBILITY OF THE CONTRACOTR TO PERFORM ALL NECESSARY CUTS AND FILLS WITHIN THE LIMITS OF THIS PROJECT AND THE RELATED OFF-SITE WORK, SO AS TO GENERATE THE DESIRED SUBGRADE, FINISH GRADES AND SLOPES SHOWN.
3. CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR ALL EXCAVATION. ADEQUATE SHORING SHALL BE DESIGNED AND PROVIDED BY THE CONTRACTOR TO PREVENT UNDERMINING OF ANY ADJACENT FEATURES OR FACILITIES AND/OR CAVING OF THE EXCAVATION.
4. THE CONTRACTOR IS WARNED THAT AN EARTHWORK BALANCE WAS NOT NECESSARILY THE INTENT OF THIS PROJECT. ANY ADDITIONAL MATERIAL REQUIRED OR LEFTOVER MATERIAL FOLLOWING EARTHWORK OPERATIONS BECOMES THE RESPONSIBILITY OF THE CONTRACTOR
5. THE GRADING CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH THE OWNER FOR THE REQUIREMENTS OF THE PROJECT STORM WATER POLLUTION PERVENTION PLAN (SWPPP) AND ASSOCIATED PERMIT.
6. CONTRACTOR SHALL GRADE TO THE LINES AND ELEVATIONS SHOWN ON THE PLANS WITHIN THE FOLLOWING HORIZONTAL AND VERTICAL TOLERENCES AND DEGREES OF COMPACTION, IN THE AREAS INDICATED:

	HORIZONTAL	VERTICAL	COMPACTION
A. PAVEMENT AREA SUBGRADE	0.1'+	+0.0' TO –0.1'	AS INDICATED ON PLAN
B. ENGINEERED FILL	0.5'+	+0.1' TO –0.1'	MINIMUM OF 90% OR AS SHOWN ON PLANS

COMPACTION TESTING WILL BE PERFORMED BY THE OWNER OR HIS REPRESENTATIVE AND COPIES OF TEST RESULTS WILL BE PROVIDED TO THE CITY.

7. ALL CUT AND FILL SLOPES SHALL BE PROTECTED UNTIL EFFECTIVE EROSION CONTROL HAS BEEN ESTABLISHED.
8. THE USE OF POTABLE WATER WITHOUT A SPECIAL PERMIT FOR BUILDING OR CONSTRUCITON PURPOSES INCLUDING CONSOLIDATION OF BACKFILL OR DUST CONTROL IS PROHIBITED. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR CONSTRUCTION WATER.
9. THE CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS AND ALL OTHER PUBLIC RIGHT-OF-WAY IN A CLEAN, SAFE AND USABLE CONDITIONS. ALL SPILLS OF SOIL, ROCK OF CONSTRUCTION DEBRIS SHALL BE PROMPTLY REMOVED FROM THE PUBLICLY OWNED PROPERTY DURING CONSTRUCITON AND UPON COMPLETION OF THE PROJECT. ALL ADJACEMENT PROPERTY, PRIVATE OR PUBLIC SHALL BE MAINTAINED IN A CLEAN, SAFE AND USABLE CONDITION.
10. IN THE EVENT THAT ANY TEMPORARY CONSTRUCTION ITEM IS REQUIRED THAT IS NOT SHOWN ON THESE DRAWNGS, THE OWNER AGREES TO PROVIDE AND INSTALL SUCH ITEM AT HIS OWN EXPENSE AND AT THE DIRECTION OF THE CITY ENGINEER. TEMPORARY CONSTRUCTION INCLUDES DITCHES, BERMS, ROAD SIGNS AND BARRICADES, ETC.

CLV TRAFFIC NOTES

1. ALL CONSTRUCTION SIGNING, BARRICADING, AND TRAFFIC DELINEATION SHALL CONFORM TO THE "NEVADA WORK ZONE TRAFFIC CONTROL HANDBOOK", LATEST EDITION, AND TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES?, LATEST EDITION.
2. THE STREET SIGN CONTRACTOR SHALL OBTAIN STREET NAMES AND BLOCK NUMBERING FROM THE PLANNING DEPARTMENT PRIOR TO CONSTRUCTION.
3. BEFORE ANY WORK IS STARTED IN THE RIGHT-OF-WAY, THE CONTRACTOR SHALL INSTALL ALL ADVANCE WARNING SIGNS FOR THE CONSTRUCTION ZONE, THE CONTRACTOR SHALL INSTALL TEMPORARY STOP SIGNS AT ALL NEW STREET ENCROACHMENTS INTO EXISTING CITY STREETS WHERE WARRANTED IMMEDIATELY AFTER FIRST GRADING WORK IS ACCOMPLISHED, AND SHALL MAINTAIN SAID SIGNS UNTIL PERMANENT SIGNS ARE INSTALLED.
4. WHEN A DESIGNATED "SAFE ROUTE TO SCHOOL" IS ENCROACHED UPON BY A CONSTRUCTION WORK ZONE AND PUBLIC WORKS STAFF IDENTIFIES A NEED FOR STUDENTS TO BE ASSISTED IN THE SAFE CROSSING THROUGH THAT WORK ZONE, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE A QUALIFIED "CROSSING GUARD". THE GUARD SHALL BE PRESENT FOR THE FULL DURATION OF TIME THAT CHILDREN ARE LIKELY TO BE PRESENT.
5. IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY OBSTRUCTION, TEMPORARY REMOVAL OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKING, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE CITY TRAFFIC ENGINEER.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL PERMANENT SIGNS SHOWN ON THE PLANS. STREET NAME SIGNS SHALL CONFORM IN THEIR ENTIRETY TO CURRENT CITY STANDARDS. ALL OTHER SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL SIGN POSTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT CITY STANDARDS.
7. WHEN A PROPOSED STREET LIGHT STANDARD IS LOCATED WITHIN FIVE (5) FEET OF ANY PROPOSED SIGH SHOWN ON THE PLANS TO BE MOUNTD ON A SIGNPOST, THE SIGN SHALL BE MOUNTED ON THE STREET LIGHT STANDARD AND THE SIGNPOST SHALL BE ELIMINTED.
8. ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE IN PLACE AND IN FINAL POSITIN PRIOR TO ALLOWING ANY PUBLI TRAFFIC ONTO THE PORTIONS OF THE ROAD(S) BEING IMPROVED HEREUNDER, REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFF-SITE IMPROVEMENTS CALLED FOR BY THESE PLANS.
9. STREET SIGNS AND STOP SIGNS SHALL BE INSTALLED PER CITY STANDARD SPECIFICATINOS FOR PLACEMENT OF STREET NAME SIGNS.
10. THE CONTRACTOR SHALL PROVIDE BARRICADES, SIGNS, FLASHERS, OTHER EQUIPMENT AND FLAG PERSONS NECESSARY TO INSURE THE SSAFETY OF WORKERS AND VISTORS.
11. WORK IN PUBLIC STREETS, ONCE BEGUN, SHALL BE EXPEDITED TO COMPLETION SO AS TO PROVIDE MINIMUM INVONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING CITIZENS AREA TRANSIT (C.A.T.) IF THE CONSTRUCITON INTERRUPTS OR RELOCTES A BUS STOP OR HAS AN ADVERSE EFFECT ON BUS SERVICE OIN THAT STREET TO ARRANGE FOR TEMPORARY RELOCATION OF STOP.
13. GUARDS SHALL BE OBTAINED BY CONTACTING THE METROPOLITAN POLICE DEPARTMENT SPECIAL EVENTS UNIT (PHONE NO. IS 229-3442) WHO WILL PROVIDE OFFICERS PROPERLY TRAINED IN TRAFFIC CONTROL. FEES FOR THE USE OF THESE OFFICERS SHALL BE SET UP BY METRO AND WILL BE PAID BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR ALL ARRANGEMENTS WITH METRO.

DEVIATION FROM STANDARDS

COMMERCIAL DRIVEWAY INGRESS AND EGRESS RADII ARE 25 FEET AND 15 FEET FROM FACE OF CURB, RESPECTIVELY.

BASIS OF BEARING

N36°26'00"W BEING THE CENTERLINE OF U.S. HIGHWAY No. 95 AS FOUND IN BOOK 4, PAGE 19 OF PLATS, IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

BENCHMARK

BM 7C0012NES

RIVET & PLATE IN TOP OF HEAD WALL, NORTH SIDE OF RANCHO ROAD AT JONES

2265.48 FEET NGVD88

CLV FIRE NOTES

1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE CITY OF LAS VEGAS FIRE DEPARTMENT "HYDRANT SPECIFICATIONS", "HYDRANT INSTALLATION SPECIFICATIONS" AND ORDINANCE #3944.
2. AUTHORIZED HYDRANTS FOR THIS PROJECT ARE:
   A. KENNEDY GUARDIAN
   B. MUELLER A-423 CENTURIAN
   C. CLOW MODEL 2546 MEDALLION
3. ON ANY NEW HOME OR BUILDING INSTALLATION, ACCESSIBLE FIRE HYDRANTS SHALL BE INSTALLED BEFORE COMBUSTIBLE CONSTRUCTION COMMENCES AND SAID FIRE HYDRANTS SHALL BE IN GOOD WORKING ORDER WITH AN ADEQUATE WATER SUPPLY.
4. CONTRACTOR SHALL PLACE A BLUE REFLECTIVE MARKER AT CENTERLINE OF STREET ADJACENT TO FIRE HYDRANT AS REQUIRED IN ORDINANCE #3944 TO IDENTIFY FIRE HYDRANT LOCATIONS.
5. CALL THE LAS VEGAS BUILDING DEPARTMENT AT 229-2071 FOR UNDERGROUND INSPECTION, PRESSURE AND FLUSH VERIFICATION OF ALL FIRE HYDRANTS AND FIRE LINES BEFORE COVERING.
6. PAINTING OF THE CURBS AND HYDRANTS AND ANY WORK NECESSARY FOR PROTECTION OF HYDRANTS FROM PHYSICAL DAMAGE PER ORDINANCE #3944 SHALL BE COMPLETED BEFORE APPROVAL BY THE CITY OF LAS VEGAS FIRE DEPARTMENT.
7. A PERMIT IS REQUIRED FROM THE FIRE DEPARTMENT FOR ON-SITE WATER LINE AND FIRE HYDRANT. THE PERMIT AND CONTRACTORS MATERIAL AND TEST CERTIFICATE FOR UNDERGROUND PIPING FORM SHALL BE OBTAINED FROM THE FIRE PROTECTION ENGINEER PRIOR TO ANY WORK BEGINNING.
8. PRIVATE FIRE HYDRANTS SHALL BE PAINTED RED.
9. A FLOW TEST MUST BE WITNESSED BY THE FIRE DEPARTMENT PRIOR TO OCCUPANCY FOR VERIFICATION OF REQUIRED ON-SITE WATER SUPPLY.
10. ALL ON-SITE FIRE MAIN MATERIALS MUST BE U.L. LISTED AND A.W.W.A. APPROVED.
11. FIRE HYDRANT SPACING:
    RESIDENTIAL – 500 FEET UNSPRINKLERED, 1000 FEET SPRINKLERED
    COMMERCIAL, INCLUDING MULTI-FAMILY – 300 FEET UNSPRINKLERED, 600 FEET SPRINLERED.
12. WHERE NEW WATER MAINS ARE EXTENDED ALONG STREETS, WHERE HYDRANTS ARE NOT NEEDED FOR PROTECTION OF STRUCTURES, FIRE HYDRANTS SHALL BE SPACED AT MAXIMUM 1,000 FOOT SPACING TO PROVIDE FOR TRANSPORTATION HAZARDS.
13. NO FIRE HYDRANT SHALL BE LOCATED WITHIN THE REQUIRED RADIUS OF A CUL-DE-SAC OR WITHIN 20 FEET OF THE PERIMETER OF THE RADIUS OF THE CUL-DE-SAC.
14. NO FIRE HYDRANT SHALL BE LOCATED WITHIN 6 FEET OF ANY CURB RETURN, DRIVEWAY, POWER POLE, STREET LIGHT OR ANY OTHER OBSTRUCTION.
15. TWO SOURCES OF SUPPLY ARE REQUIRED WHENEVER THERE ARE 4 OR MORE FIRE HYDRANTS INSTALLED ON A SINGLE SYSTEM.
16. NOT MORE THAN 2 HYDRANTS CAN BE OUT OF SERVICE DUE TO A SINGLE MAIN BREAK.
17. FIRE APPARATUS ACCESS ROADS SHALL HAVE AN UNOBSTRUCTED WIDTH OF NOT LES THAN 20 FEET PROVIDED NO PARKING IS ALLOWED, NOT LESS THAN 28 FEET IF PARALLEL PARKING IS ALLOWED ON ONE SIDE, AND NOT LESS THAN 36 FEET IF PARALLEL PARKING IS ALLOWED ON BOTH SIDES. VERTICAL CLEARANCE SHALL BE NOT LESS THAN 13 FEET 6 INCHES.
18. THE TURNING RADIUS FOR ANY FIRE APPARATUS ACCESS ROAD AND/OR FIRE LANE, PUBLIC OR PRIVATE SHALL BE NOT LESS THAN 45 FEET OUTSIDE RADIUS AND 22 FEET INSIDE RADIUS.
19. A FIRE APPARATUS ROAD SHALL BE REQUIRED WHEN ANY PORTION OF AN EXTERIOR WALL OF THE FIRST STORY IS LOCATED MORE THAN 150 FEET FROM A FIRE DEPARTMENT VEHICLE ACCESS. (SEE EXCEPTIONS IN UFC 94, SECTION 902.2).
20. ALL DEAD END FIRE APPARATUS ACCESS ROADS AND/OR FIRE LANES PUBLIC OR PRIVATE IN EXCESS OF 150 FEET IN LENGTH SHALL BE PROVIDED WITH AN APPROVED TURNAROUND AREA. SEE ORDINANCE #3944.
21. ACCESS ROADS SHALL BE MARKED BY PLACING APPROVED SIGNS AT THE START OF THE DESIGNATED FIRE LANE, ONE SIGN AT THE END OF THE FIRE LANE AND WITH SIGNS AT INTERVALS OF 100 FEET ALONG ALL DESIGNATED FIRE LANES. SIGNS TO BE PLACED ON BOTH SIDES OF AN ACCESS ROADWAY IF NEEDED TO PREVENT PARKING ON EITHER SIDE. SIGNS TO BE INSTALLED NO HIGHER THAN 10 FEET OR LESS THAN 6 FROM ROADWAY LEVEL. THE CURBS ALONG OR ON THE PAVEMENT OR CEMENT IF CURB IS NOT PRESENT, SHALL BE PAINTED WITH A RED WEATHER RESISTANT PAINT IN ADDITION TO THE SIGNS.
22. ELECTRICALLY CONTROLLED ACCESS GATES SHALL BE PROVIDED WITH AN APPROVED EMERGENCY VEHICLE DETECTOR/RECEIVER SYSTEM. SAID SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF LAS VEGAS GUIDELINES FOR AUTOMATIC EMERGENCY VEHICLE ACCESS GATES.

PROFESSIONAL ENGINEER – STATE OF NEVADA
IRWIN KAUFMAN
No. 04515
CIVIL
2/25/98

ABBREVIATIONS

A.C.	ASPHALTIC CONCRETE	L.F.	LINEAL FEET
B.C.	BEGIN CURVE	M.H.	MANHOLE
B.C.R.	BEGIN CURB RETURN	N.T.S.	NOT TO SCALE
B.F.E.	BASE FLOOD ELEVATION	PI	POINT OF INTERSECTION
B.V.C.	BEGIN VERTICAL CURVE	PIVC	POINT OF INTERSECTION VERTICAL CURVE
B.S.	BACK OF SIDEWALK		
CL	CENTERLINE		
C.O.	CLEANOUT	P.O.T.	POINT OF TANGENT
CONC.	CONCRETE	P.V.C	POLYVINYL CHLORIDE PIPE
E.A.C.	EDGE OF ASPHALTIC CONCRETE	PL	PROPERTY LINE
		R	RADIUS
ELEV.	ELEVATION	REF	REFERENCE
E.C.	END OF CURVE	R.C.P.	REINFORCED CONCRETE PIPE
E.V.C.	END OF VERTICAL CURVE	R / W	RIGHT OF WAY
EXIST	EXISTING	S.S	SANITARY SEWER
E.G.	EXISTING GRADE	S.W.	SIDEWALK
F.F.	FINISHED FLOOR	S	SLOPE
F.C.	FINISHED CONCRETE	SHT	SHEET
F.G.	FINISHED GRADE	STA.	STATION
F.H.	FIRE HYDRANT	T	TANGENT
FL	FLOW LINE	T.C.	TOP OF CURB
F.S.	FINISH SURFACE	T.O.W.	TOP OF WALL
G	GAS	TYP	TYPICAL
G.B.	GRADE BREAK	VERT.	VERTICAL
HORIZ	HORIZONTAL	V.C.	VERTICAL CURVE
INT.	INTERSECTION	W	WATER
L	LENGTH		

LEGEND

DESCRIPTION	PROPOSED	EXISTING
TOP OF CURB ELEVATION	XX.XX TC	(XX.XX) TC
CENTER LINE		
PROPERTY LINE		
UNIT LINE		
CURBLINE		
EDGE GUTTER		
CONTOUR	100	200
CHAIN LINK FENCE		
BLOCK WALL		
SEWER LINE	18" ACP	18" SS
STORM DRAIN	66" MLCP	60" SD
WATER LINE		18" W
GAS LINE		2" GAS
TELEPHONE		TEL
ELECTRIC		ELEC
OVERHEAD POWER LINE		
CABLE LINE		CATV
PAD ELEVATION	XX.X	XX.X
SIGNAL LIGHT W/STREET LIGHT		
SIGNAL LIGHT		
SIGN		
STREET LIGHT		
PULL BOX	PB	PB
WATER VALVE		
FIRE HYDRANT		
SEWER MANHOLE		
SIDE WALK		
WHEELCHAIR RAMP		

APPROVALS

for CITY ENGINEER — DATE 2-27-98

APPROVAL OF THESE PLANS BY THE CITY ENGINEER IS LIMITED TO THOSE IMPROVEMENTS CONSTRUCTED IN THE DEDICATED RIGHT-OF-WAY AND/OR DEDICATED EASEMENTS. THIS APPROVAL DOES NOT AUTHORIZE THE CONSTRUCTION ON ANY IMPROVEMENTS THAT DEVIATE FROM ADOPTED STANDARDS AND/OR SPECIFICATIONS EXCEPT THOSE SPECIFICALLY LISTED UNDER DEVIATIONS FROM STANDARD THE ENGINEER SHALL RESOLVE ANY DEVIATION OTHER THAN THOSE LISTED IN DEVIATIONS FROM STANDARDS IN FAVOR OF THE UNIFORM STANDARD DRAWINGS AND SPECIFICATIONS CLARK COUNTY AREA NEVADA.

NO.	DATE	REVISIONS	NO.	DATE	REVISIONS

DEVELOPMENT SERVICES OF NEVADA INC.
4270 SO. DECATUR BLVD., SUITE A-10A
LAS VEGAS, NV. 89103
PH. (702) 247-8608 ● FAX: (702) 247-8753

AMENDED HORIZONTAL CONTROL AND GRADING PLAN FOR
NEW COMMERCIAL BUILDING AT TONOPAH TERRACE
LOT 11 BLOCK 2, NEAR ROLAND AVENUE AND JONES BLVD.
CITY OF LAS VEGAS, NV

FILE NAME: C1
DESIGNED BY: IK DATE: 2/04/97
REVIEWED BY: IK DATE: 2/04/97
DRAWN BY: IK DATE: 2/04/97
CHECKED BY: IK DATE: 2/04/97
SCALE: 1=1
JOB NUMBER: 970505
SHEET: 1 OF: 4

I:\DRAW\960505\C1.dwg Wed Feb 25 09:23:44 1998 DSI-JB

107-V2644A

AMENDED HORIZONTAL CONTROL AND GRADING PLAN FOR NEW COMMERCIAL BUILDING AT TONOPAH TERRACE

CLV GENERAL NOTES

[redacted]

SHEET INDEX

SHEET #	DESCRIPTION
1	AMENDED COVER SHEET & NOTES
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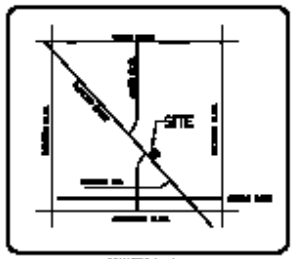
3	AMENDED GRADING PLAN
4	AMENDED ALLEY GRADING PLAN

CONSTRUCTION NOTES

[redacted]

GENERAL NOTES

[redacted]



VICINITY MAP
NO SCALE

CLV GRADING NOTES

[redacted]

CLV TRAFFIC NOTES

[redacted]

DEVIATION FROM STANDARDS

[redacted]

BASIS OF BEARING

[redacted]

BENCHMARK

[redacted]

CLV FIRE NOTES

[redacted]

ABBREVIATIONS

[redacted]

LEGEND

[redacted]

APPROVALS

[redacted]

DEVELOPMENT SERVICES
CITY OF LAS VEGAS, INC.
AMENDED HORIZONTAL CONTROL AND GRADING PLAN FOR
NEW COMMERCIAL BUILDING AT
TONOPAH TERRACE
SHEET 1 OF 4
07060