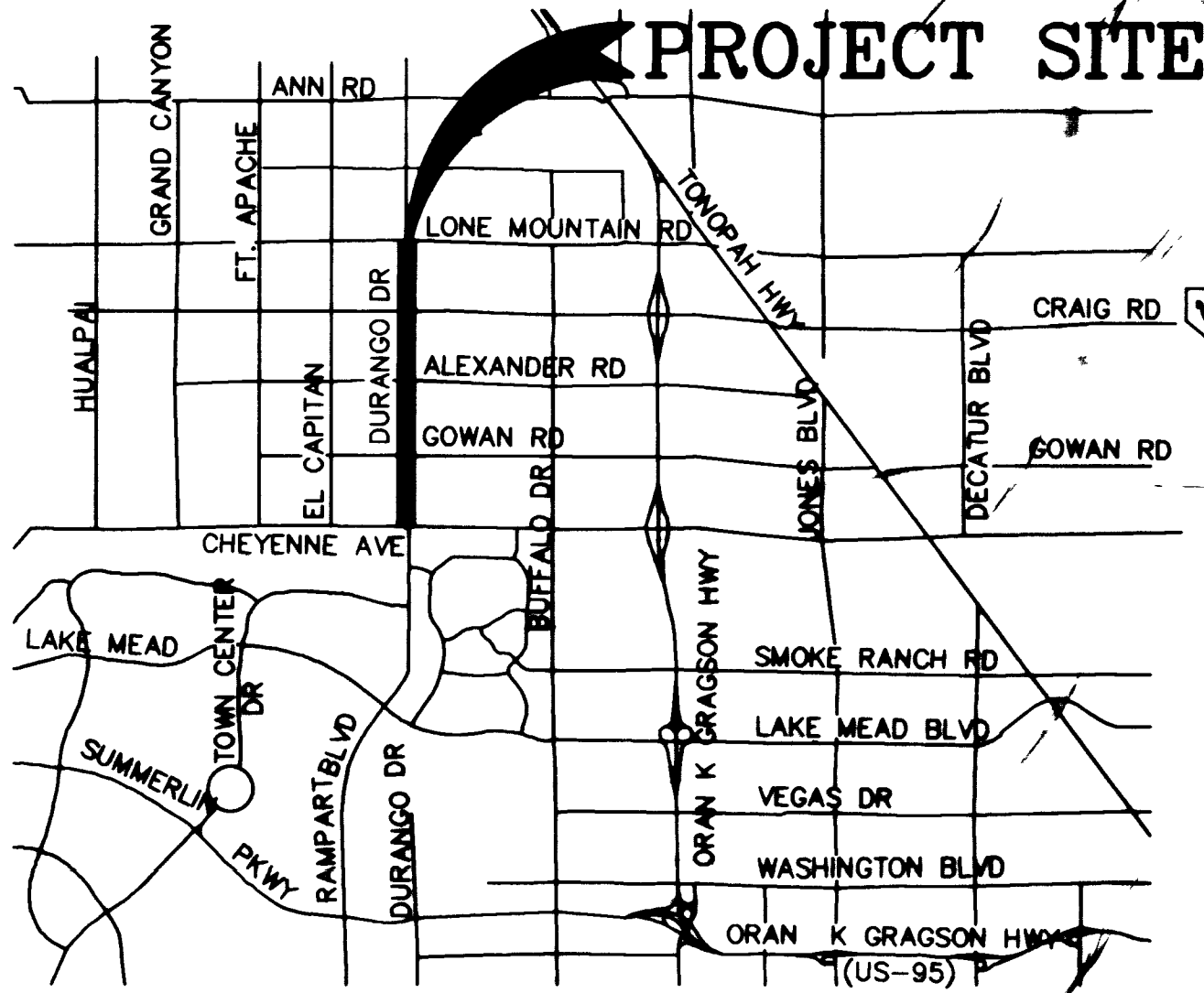


GENERAL NOTES

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 INTERFERENCE'S 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 REPLACES 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 ENGINEER 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 FLUSH WITH LIP OF ALL GUTTERS AFTER COMPACTION, INCLUDING SIDEWALK RAMPS.
9. CURB AND 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.
10. SIDEWALK RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTIONS PER STANDARD DRAWING 235. EXACT LOCATION OF RAMPS MAY BE ADJUSTED IN THE FIELD BY A CITY INSPECTOR.
11. 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.
12. ALL GRADING WORK SHALL CONFORM TO THE SOILS REPORT AS PREPARED BY THE SOILS ENGINEER AND APPROVED BY THE CITY ENGINEER, AND AS SHOWN ON THESE PLANS.
13. 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.
14. 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.
15. 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.
16. 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.
17. ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT ON CITY STREETS.

GENERAL LEGEND

-----	EXISTING CURB & GUTTER	=====	PROPOSED CURB & GUTTER
-----	EXISTING EDGE OF PAVEMENT	=====	PROPOSED EDGE OF PAVEMENT
-----	EXISTING RIGHT-OF-WAY	-X-X-X-	PROPOSED FENCE LINE
-----	EXISTING CABLE TELEVISION LINE(S)	=====	PROPOSED STORM DRAIN
-----	EXISTING GAS LINE (SIZE VARIES)	=====	PROPOSED DROP INLET
-----	EXISTING SEWER LINE (SIZE VARIES)	=====	PROPOSED WATER METER
-----	EXISTING WATER LINE (SIZE VARIES)	=====	PROPOSED VALVE
-----	EXISTING TELEPHONE CABLE/CONDUIT(S)	=====	PROPOSED FIRE HYDRANT
-----	EXISTING STORM DRAIN (SIZE VARIES)	=====	PROPOSED STREET SIGN
-----	EXISTING TRAFFIC SIGNAL WIRE AND/OR CONDUIT	=====	PROPOSED STREET LIGHT
-----	EXISTING UNDERGROUND ELECTRIC LINE(S)	=====	PROPOSED POLE LIGHT
-----	EXISTING FENCE LINE	=====	PROPOSED PULL BOX
=====	EXISTING WATER METER	=====	PROPOSED UTILITY VAULT OR CABINET
=====	EXISTING VALVE	=====	PROPOSED TRAFFIC CONTROL SERVICE PEDESTAL
=====	EXISTING FIRE HYDRANT	=====	PROPOSED SIDEWALK RAMP
=====	EXISTING MANHOLE	=====	
=====	EXISTING POLE w/ GUY WIRE AND ANCHOR	=====	
=====	EXISTING STREET SIGN	=====	
=====	EXISTING STREET LIGHT	=====	
=====	EXISTING POLE LIGHT	=====	
=====	EXISTING PULL BOX	=====	
=====	EXISTING UTILITY VAULT OR CABINET	=====	
=====	EXISTING TRAFFIC CONTROL SERVICE PEDESTAL	=====	
=====	EXISTING SIDEWALK RAMP	=====	



VICINITY MAP

BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS PROJECT IS GRID NORTH AS DEFINED BY THE NEVADA COORDINATE SYSTEM OF 1983 (NCS83), EAST ZONE, 1701, DETERMINED BY CLARK COUNTY GIS CONTROL POINTS 808, 819, AND 821, AS SHOWN ON A RECORD OF SURVEY ON FILE IN THE CLARK COUNTY, NEVADA, RECORDER'S OFFICE, IN BOOK 88 OF SURVEYS, AT PAGE 53.

VTN PROJECT BENCHMARK

PROJECT DATUM: NAVD88

CITY OF LAS VEGAS BENCHMARK 1LV90-339E5
NAVD88 ELEVATION: 717.2083 METERS (2353.04 FEET) - VTN
(POGGEMEYER - 2352.87)

RIVET AND PLATE IN A CONCRETE ELECTRICAL VAULT AT THE NORTHWEST CORNER OF BUFFALO DRIVE AND LONE MOUNTAIN ROAD.

POGGEMEYER DESIGN GROUP * PROJECT BENCHMARK

CITY OF LAS VEGAS BENCHMARK 0LV00-17NE6, RIVET AND PLATE ON TOP OF CURB, RAMPART BLVD. AND LAZERETTE DRIVE, WEST CURB LINE.

POGGEMEYER ELEVATION TAKEN AS 2468.64 FEET (752.4415 m).
(VTN ELEVATION: 2468.81 FEET)

ABBREVIATIONS

ABAN	ABANDON	E or ELEC	ELECTRIC	MAX	MAXIMUM
AC	ASPHALTIC CONCRETE	EC	END OF CURVE	MH	MANHOLE
ACP	ASBESTOS CEMENT PIPE	ECR	END CURB RETURN	MIN	MINIMUM
AGG	AGGREGATE	ELEV or EL	ELEVATION	NG	NATURAL GROUND
AP	ABANDONED IN PLACE	EM	ELECTRIC METER	N/O	NORTH OF
ALT	ALTERNATE	EMBK	EMBANKMENT	NTS	NOT TO SCALE
AVE	AVENUE	EP	EDGE OF PAVEMENT	OC	ON CENTER
BC	BACK OF CURB	ESMT	EASEMENT	OG	OPEN-GRADED PAVEMENT
BC-BC	BACK OF CURB TO BACK OF CURB	ETRANS	ELECTRIC TRANSFORMER	P	POWER
BCR	BEGIN CURB RETURN	EVC	END OF VERTICAL CURVE	PB	PULL BOX
BDRY LINE	BOUNDARY LINE	EVCE	END OF VERTICAL CURVE ELEVATION	PC	POINT OF CURVE
BLVD	BOULEVARD	EVCS	END OF VERTICAL CURVE STATION	PCC	POINT OF COMPOUND CURVE
BM	BENCH MARK	EXIST	EXISTING	PCC, CONC	PORTLAND CEMENT CONCRETE
BO	BLOW-OFF	EX BLDG	EXISTING BUILDING CORNER	PG	PROFILE GRADE
BVC	BEGINNING OF VERTICAL CURVE	EX FNC	EXISTING FENCE	PI	POINT OF INTERSECTION
BVCE	BEGINNING OF VERTICAL CURVE ELEVATION	EX FNC-COR	EXISTING FENCE CORNER	PKWY	PROPERTY LINE
BVCS	BEGINNING OF VERTICAL CURVE STATION	EX LS	EXISTING LANDSCAPE	PP	POWER POLE
		EX TC-AP	TOP OF CURB - ANGLE POINT	POT	POINT ON CURVE
				PRC	POINT ON TANGENT
CATV	CABLE TELEVISION			PROP	POINT OF REVERSE CURVE
C-C	CENTER TO CENTER			PT	PROPOSED
CC	CLARK COUNTY			PVMT	POINT OF TANGENCY
CCSD	CLARK COUNTY SANITATION DISTRICT				POINT OF VERTICAL INTERSECTION
C or CL	CENTERLINE	FA	FIRE ALARM		PAVEMENT
OF	CURB FACE	FC	FACE OF CURB	R	RADIOS
QIP	CAST IRON PIPE	FF	FINISH FLOOR	RC	REINFORCED CONCRETE
CLV	CITY OF LAS VEGAS	FG	FINISH GRADE	RCB	REINFORCED CONCRETE BOX
CMP	CORRUGATED METAL PIPE	FH	FIRE HYDRANT	RCP	REINFORCED CONCRETE PIPE
CNLV	CITY OF NORTH LAS VEGAS	FL	FLOWLINE	RD	ROAD
CO	CLEANOUT, SEWER	FT	FEET OR FOOT	REINF	REINFORCED
COL	COLUMN	FUT	FUTURE	RGRCP	RUBBER GASKETED REINFORCED
COMM	COMMERCIAL				CONCRETE PIPE
CONC, PCC	CONCRETE	GALV	GALVANIZED		RUBBER GASKETED HORIZONTAL ELLIPTICAL
CONST	CONSTRUCTION or CONSTRUCT	G.B.	GRADE BREAK		REINFORCED CONCRETE PIPE
COR	CORNER	GI	GRADED INLET		RADIOS POINT
C&G or C/G	CURB & GUTTER	GM	GAS METER		RIGHT
CULV	CULVERT	GUT	GUTTER		RETURN
		GV	GAS VALVE		RIGHT-OF-WAY
					RECLAIMED WATER DELIVERY SYSTEM
DCSWCS	DESIGN AND CONSTRUCTION STANDARDS FOR WASTE WATER COLLECTION SYSTEMS	HDWL	HEADWALL		
		HP	HIGH POINT		
DEPT	DEPARTMENT	IE	INVERT ELEVATION		
DI	DROP INLET	IN	INCH		
DWG	DRAWING	INT	INTERSECTION		
DWY	DRIVEWAY	INV	INVERT		
		ISL	ISLAND		
		L	LENGTH OF CURVE		
		LP	LOW POINT		
		LT	LEFT		
		LVMD	LAS VEGAS VALLEY WATER DISTRICT		

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DRAWING INDEX

DWG NO.	SHT NO.	TITLE
I1	1	TITLE / COVER SHEET AND APPROVALS
I2	2	GENERAL NOTES, LEGEND, DRAWING INDEX AND ABBREVIATIONS
I3 - I6	3-6	SURVEY CONTROL PLAN
D1	7	MEDIAN ISLAND AND PAVEMENT MILLING DETAILS
D2 - D4	8-10	TYPICAL X-SECTIONS
D5 - D24	11-30	DETAILS
R1 - R12	31-42	ROADWAY PLAN & PROFILE
R13 - R16	43-46	INTERSECTION GRADING PLANS
R17 - R21	47-51	MEDIAN ISLAND GEOMETRICS AND IRRIGATION PLAN
SD1 - SD13	52-64	STORM DRAIN PLAN & PROFILE
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SS1 - SS6	70-75	SANITARY SEWER PLAN & PROFILE
T1 - T10	76-85	STRIPING AND STREET LIGHTING PLAN
T11 - T15	86-90	TRAFFIC SIGNAL

NORTHWEST WATER RESOURCE CENTER PLANS *

DWG NO.	SHT NO.	TITLE
PDG1 - PDG13	91-103	PREPARED BY POGGEMEYER DESIGN GROUP
IS01	104	PREPARED BY GREELEY AND HANSEN ENGINEERS
RS01 - RS02	105-106	PREPARED BY GREELEY AND HANSEN ENGINEERS

* BENCHMARK APPLIES TO POGGEMEYER & GREELEY AND HANSEN DRAWINGS

DEPARTMENT OF PUBLIC WORKS
CITY OF LAS VEGAS

GENERAL NOTES, LEGEND
DRAWING INDEX AND
ABBREVIATIONS

SEAL

WO. NO. 5249

BY WBM

DATE 07/17/98

SCALE HORIZ. NONE

VERT. NONE

DRAWING 12

SHEET 106

DURANGO DRIVE IMPROVEMENTS
CHEYENNE AVENUE TO LONE MOUNTAIN ROAD

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LAS VEGAS, NEVADA 89102-5148 PHONE (702) 873-7550 FAX (702) 362-2597

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