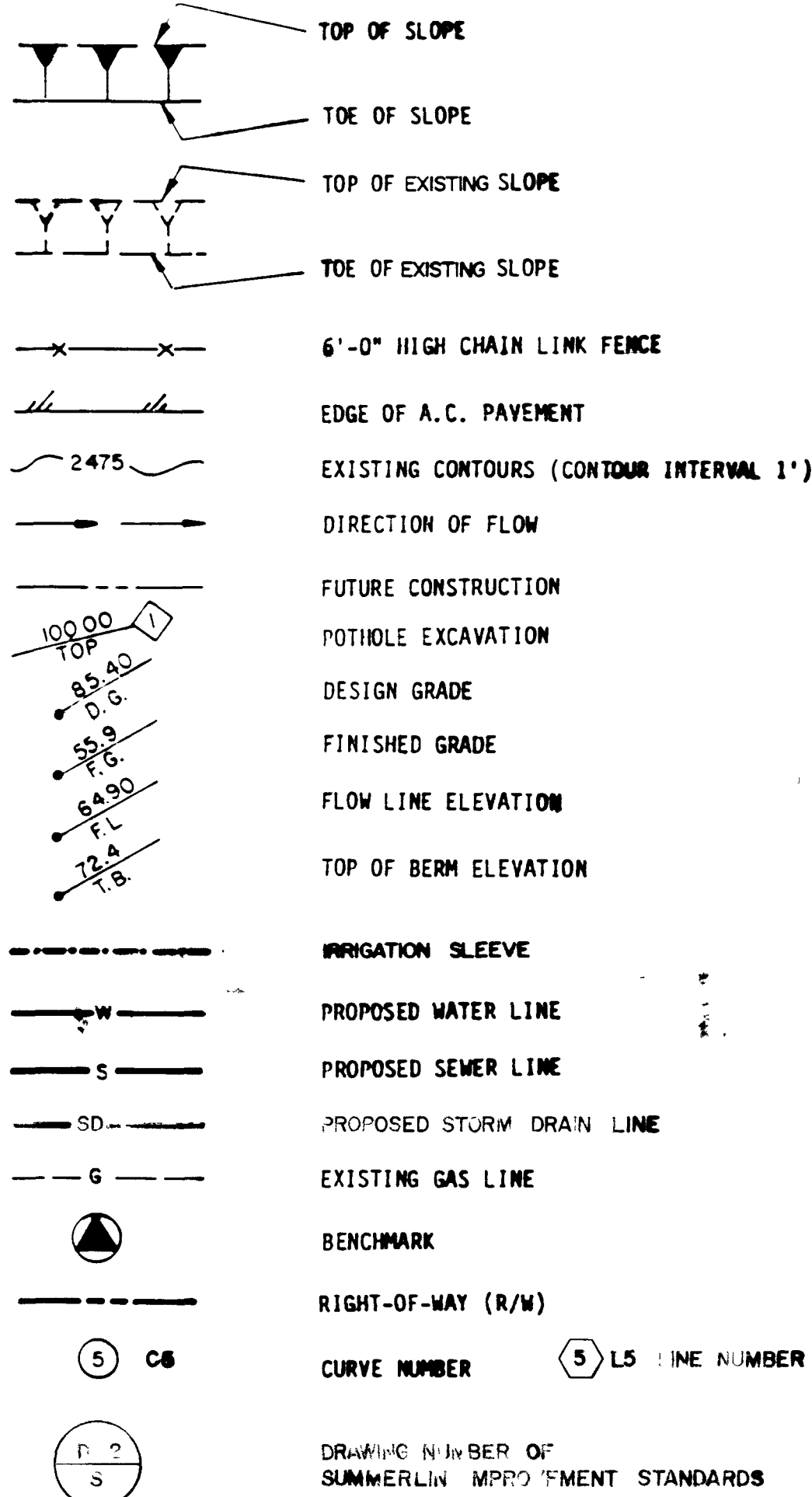


**GENERAL NOTES**

- ALL CONSTRUCTION AND MATERIALS FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS' CONSTRUCTION, OFFSITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA 1986.
- 48 HOURS PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR SHALL CONTACT:  
 LAS VEGAS VALLEY WATER DISTRICT PHONE 870-2011  
 NEVADA POWER COMPANY PHONE 1-800-227-2600  
 CENTRAL TELEPHONE COMPANY PHONE 1-800-227-2600  
 SOUTHWEST GAS CORPORATION PHONE 365-2296
- LOCATIONS OF UNDERGROUND UTILITIES SHOWN ON THE DRAWINGS WERE OBTAINED FROM INFORMATION RECEIVED FROM THE APPLICABLE UTILITY CO'S. NEITHER THE OWNER NOR ENGINEER ASSUMES ANY RESPONSIBILITY FOR EXISTING UTILITIES OR STRUCTURES NOT SHOWN, OR NOT IN THE LOCATIONS SHOWN ON THE DRAWINGS. CONTRACTOR TO VERIFY THE EXACT LOCATION OF UTILITIES PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR'S RESPONSIBILITY REGARDING UTILITIES SHALL BE AS REQUIRED UNDER SECTION 107.17 OF THE UNIFORM STANDARD SPECIFICATIONS FOR CLARK COUNTY AREA, NEVADA AND AS PROVIDED IN THE SPECIFICATIONS, THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING OVER OR NEAR THE EXISTING GAS MAINS.
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING 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 RECONSTRUCTED SATISFACTORY TO THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR SHALL NOT REMOVE TREES, SHRUBS, LAWNS, WALLS, FENCES, SIGNS, STRUCTURES, LIGHTS, OR ANY EXISTING IMPROVEMENTS OUTSIDE OF STREET RIGHT-OF-WAY, EXCEPT WHERE REQUIRED TO DO SO BY THE CONTRACT DRAWINGS OR BY THE ENGINEER.
- TREES, SHRUBS, LAWNS, WALLS, FENCES, SIGNS, STRUCTURES, LIGHTS AND OTHER EXISTING IMPROVEMENTS WITHIN STREET RIGHTS-OF-WAY SHALL BE REMOVED WHERE SHOWN ON THE CONTRACT DRAWINGS, AND AS REQUIRED BY THE ENGINEER.
- REPLACEMENT, RELOCATION OR RECONSTRUCTION OF ALL EXISTING IMPROVEMENTS INCLUDING SPRINKLER SYSTEMS, LAWNS, FENCES, WALLS, SIGNS, STEPS, SIDEWALKS, DRIVEWAYS, LAWN LIGHTS, AND ALL OTHER ITEMS APPLICABLE TO THIS CONTRACT SHALL BE AS REQUIRED BY THE ENGINEER.
- THE CONTRACTOR SHALL BACKFILL AND FINE GRADE ALL CUT OR FILL SLOPES TO MATCH EXISTING CONDITIONS TO THE SATISFACTION OF THE ENGINEER, WHERE EXISTING LAWNS ARE DAMAGED BY THE CONTRACTOR'S OPERATIONS, THE CONTRACTOR SHALL RE-SEED AND/OR SOO THE AFFECTED AREA TO A CONDITION EQUAL TO, OR BETTER THAN EXISTED PRIOR TO CONSTRUCTION.
- ALL BARRICADING AND TEMPORARY TRAFFIC CONTROL DEVICES OR METHODS USED DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "NEVADA TRAFFIC CONTROL MANUAL", 1985, PUBLISHED BY THE STATE OF NEVADA, DEPARTMENT OF HIGHWAYS, EXCEPT AS OTHERWISE PROVIDED IN THE CONTRACT SPECIFICATIONS OR AS REQUIRED BY THE ENGINEER.
- AT THE TIME OF PRE-CONSTRUCTION CONFERENCE, THE CONTRACTOR SHALL FURNISH, FOR APPROVAL, A TRAFFIC BARRICADING PLAN AND THE METHOD OF MAINTAINING PUBLIC CONVEYANCE AND SAFETY THROUGHOUT THE CONSTRUCTION AREA. TRAFFIC BARRICADING PLANS SHALL COMPLY WITH APPLICABLE PORTIONS OF SECTIONS 624 AND 625 OF THE STANDARD SPECIFICATIONS, THE TRAFFIC CONTROL MANUAL AND APPLICABLE CITY ORDINANCES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERTICAL ADJUSTMENT OF ALL EXISTING SANITARY, WATER AND STORM SEWER MANHOLES TO THE FINAL FINISH GRADES IN ACCORDANCE WITH THE DETAILS SHOWN ON THE CONTRACT DRAWINGS, AND IN ACCORDANCE WITH SECTION 609 OF THE "STANDARD SPECIFICATIONS," AND THE VERTICAL ADJUSTMENTS OF ALL WATER VALVE BOXES SHALL BE IN ACCORDANCE WITH THE DETAILS SHOWN ON THE CONTRACT DRAWINGS.
- EXACT LOCATION OF ALL SAWCUTS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- REFERENCE IS MADE TO THE "SUMMERLIN IMPROVEMENT STANDARDS" FOR CONSTRUCTION DETAILS. STANDARDS AVAILABLE FROM OWNER.

**LEGEND**



**ABBREVIATIONS**

A.C.	ASPHALTIC CONCRETE	N.D.O.T.	NEVADA DEPT. OF TRANSPORTATION
B.C.	BACK OF CURB	N.P.C.	NEVADA POWER COMPANY
B.C.R.	BACK OF CURB RADIUS	N.	NORTH
BLVD.	BOULEVARD	N.I.C.	NOT IN CONTRACT
BVC	BEGIN VERTICAL CURVE	N.T.S.	NOT TO SCALE
C.B.	CATCH BASIN	NO. #	NUMBER
CTR.	CENTER	O.A.	OVERALL
CLV.	CENTERLINE	O.C.	ON CENTER
C.L.V.	CITY OF LAS VEGAS	OPN'G.	OPENING
CLR.	CLEAR	PKWAY.	PARKWAY
CONC.	CONCRETE	P.T.	POINT, POINT OF TANGENCY
C.M.P.	CORRUGATED METAL PIPE	P.C.C.	POINT OF COMPOUND CURVE
CULV.	CULVERT	P.C.	POINT OF CURVATURE
C. & G.	CURB & GUTTER	P.I.	POINT OF INTERSECTION
DELTA	DELTA	P.R.C.	POINT OF REVERSE CURVE
D.	DESIGN GRADE	Q	QUANTITY
DET.	DETAIL	R	RADIUS
DIA.	DIAMETER	REF.	REFERENCE
DMG.	DRAWING	RT.	RIGHT
D.T.	DROP INLET	R/W	RIGHT OF WAY
E.M.	EACH WAY	REINF.	REINFORCING
E.	EAST	RCB	REINFORCED CONC. BOX
ELEV.	ELEVATION	RCP	REINFORCED CONCRETE PIPE
EVC	END VERTICAL CURVE	REQ'D	REQUIRED
E.P.	EDGE PAVEMENT	SECT.	SECTION
EXIST.	EXISTING	SHT.	SHEET
EXP.	EXPANSION	SHDR.	SHOULDER
F.G.	FINISHED GRADE	SIM.	SIMILAR
F.H.	FIRE HYDRANT	S.	SOUTH
F.L.	FLOW LINE	S.W.G.	SOUTHWEST GAS CORP.
FT.	FOOT	SPEC.	SPECIFICATIONS
GALV.	GALVANIZED	STD.	STANDARD
G.	GRADE	STA.	STATION
G.B.	GRADE BREAK	S.D.	STORM DRAIN
HP.	HIGH POINT	STRUCT.	STRUCTURAL
HORZ.	HORIZONTAL	S.F.	SQUARE FEET
INF.	INFINITY	S.Y.	SQUARE YARD
I.D.	INSIDE DIAMETER	SYMM.	SYMMETRICAL
INV.	INVERT ELEVATION	T.	TANGENT
JT.	JOINT	THRU	THROUGH
LAT.	LATERAL	T.C.	TOP OF CURB
L.T.	LEFT	T.M.H.	TOP OF MANHOLE
L.	LENGTH OF ARC:	TY.	TYPE
LF.	LINEAR FEET	UTL.	UTILITY
LG.	LONG	V.G.	VALLEY GUTTER
LOC.	LENGTH OF CURVE	VERT.	VERTICAL
LP	LOW POINT	V.C.	VERTICAL CURVE
M.H.	MANHOLE	V.G.	VERTICAL CURVE
MAX.	MAXIMUM	W.	WEST
MISC.	MISCELLANEOUS	W.P.	WORKING POINT
MIN.	MINIMUM		
MVC	MIDDLE VERTICAL CURVE		

**INDEX OF DRAWINGS**

- COVER SHEET
  - GENERAL NOTES, ABBREVIATIONS & LEGEND
- STREET IMPROVEMENTS PLANS**
- I-0 KEY MAP, VICINITY MAP AND LIST OF DRAWINGS
  - I-1 PLAN & PROFILE NORTH ROUNDABOUT
  - I-2 PLAN & PROFILE STA. 49+00 TO 40+50
  - I-3 PLAN & PROFILE STA. 40+50 TO 32+00
  - I-4 PLAN & PROFILE SOUTH ROUNDABOUT
  - I-5 PLAN & PROFILE STA. 117+00 TO 121+22.93
  - I-6 GEOMETRICS - NORTH ROUNDABOUT
  - I-7 GEOMETRICS - SOUTH ROUNDABOUT
  - I-8 TOP OF CURB PROFILES NORTH ROUNDABOUT
  - I-9 TOP OF CURB PROFILES SOUTH ROUNDABOUT
  - I-10 STREET SECTIONS
  - I-11 SPECIAL DETAILS
  - I-12 NORTH AND SOUTH ROUNDABOUT POINT DATA
- STORM DRAIN PLANS**
- SD-0 KEY MAP, VICINITY MAP AND LIST OF DRAWINGS
  - SD-1 PLAN & PROFILE STA. 49+00 TO 49+00.00
  - SD-2 PLAN & PROFILE STA. 49+00.00 TO 40+50.00
  - SD-3 PLAN & PROFILE STA. 40+50.00 TO 32+00.00
  - SD-4 PLAN & PROFILE STA. 32+00.00 TO 117+00.00
  - SD-5 PLAN & PROFILE STA. 117+00.00 TO 121+22.97
  - SD-6 STORM DRAIN NOTES, LATERALS & DETAILS
  - SD-7 STORM DRAIN LATERALS & DETAILS
- WATER & SEWER PLANS**
- WS-0 KEY MAP, VICINITY MAP AND LIST OF DRAWINGS
  - WS-1 PLAN & PROFILE STA. 93+09.79 TO 49+00.00
  - WS-2 PLAN & PROFILE STA. 49+00.00 TO 40+50.00
  - WS-3 PLAN & PROFILE STA. 40+50.00 TO 32+00.00
  - WS-4 PLAN & PROFILE STA. 32+00.00 TO 117+00.00
  - WS-5 PLAN & PROFILE STA. 117+00.00 TO 121+22.97
  - WS-6 MANHOLE DETAILS
  - WS-7 TYPICAL SEWER DETAILS

**TRAFFIC**

- T-0 SIGNING AND STRIPING, QUANTITIES, GENERAL NOTES AND DETAILS
- T-1 SIGNING AND STRIPING, NORTH ROUNDABOUT
- T-2 SIGNING AND STRIPING, STA. 49+00 TO 40+50
- T-3 SIGNING AND STRIPING, STA. 40+50 TO 32+00
- T-4 SIGNING AND STRIPING, SOUTH ROUNDABOUT
- T-5 SIGNING AND STRIPING, STA. 117+00 TO 121+27.93

**STREET LIGHT AND TRAFFIC SIGNAL PLANS**

STREET LIGHT AND TRAFFIC SIGNAL DESIGNS ARE BEING PREPARED BY T.J. KROB CONSULTING ENGINEERS, INC., AND ARE NOT A PART OF THIS PACKAGE.

**QUANTITIES**

- ROADS** SEE SHEET I-0
- STORM DRAIN** SEE SHEET SD-0
- WATER** SEE SHEET WS-0
- TRAFFIC & SIGNING** SEE SHEET T-0

**\* NOTE TO CONTRACTOR**  
 QUANTITIES SHOWN ARE ESTIMATES ONLY AND ARE INTENDED TO ILLUSTRATE SCOPE OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXACT QUANTITIES INVOLVED.

**SANITARY SEWER**  
 SEE SHEET WS-0

RECORD DRAWINGS

THESE PLANS SHOW RECORD INFORMATION RECEIVED FROM:  
 CONTRACTOR: **WELLS CARGO INC.**  
 DATE: **6/18/89**

THIS DATA MAY OR MAY NOT REFLECT THE ACTUAL FIELD LOCATIONS. ALL DATA SHOULD BE CONFIRMED PRIOR TO USE ON DEVELOPMENT OR ENGINEERING PLANS.

**BASIS OF BEARING**

N. 01 12'43" E. IS BASED ON THE NEVADA STATE GRID SYSTEM (EAST ZONE) AS DETERMINED FROM THE TRIANGULATION POINTS "RED ROCK" TO "LONE MOUNTAIN".

**BENCHMARK**

CHISELED + IN TOP OF CURB AT END OF CURB OFF  
 WEST SIDE OF DURANGO, 250' SOUTH OF WESTCLIFF,  
 ELEV. PER CITY OF LAS VEGAS DATUM = 2610.16

Avoid cutting underground utility lines. It's costly.

**Call before you Dig.**

**1-800-227-2600**

UNDERGROUND SERVICE ALERT (USA)

**APPROVALS**

<b>CITY OF LAS VEGAS</b>		
	<b>2-16-89</b>	DATE
<b>CITY ENGINEER</b>		
SEE SHEET WS-0		
<b>L.V.V.W.D.</b>		DATE
	<b>02-09-89</b>	DATE
<b>NEVADA POWER CO.</b>		DATE

AGENCY	REVIEWED BY:	DATE
<b>SOUTHWEST GAS CORP.</b>		1-13-89
<b>CENTRAL TELEPHONE CO.</b>		1-13-89

VILLAGE CENTER CIRCLE & HOWARD HUGHES PROPERTIES  
 TOWN CENTER DRIVE PHASE II  
 GENERAL NOTES, ABBREVIATIONS & LEGEND  
 SHEET **2** OF 37 SHEETS  
 2/12/89  
 107-V1029-2  
 11-3-45  
 1978  
 G.C. WALLACE, INC. Engineering/Architecture  
 1555 SOUTH RAINBOW BLVD., LAS VEGAS, NEVADA 89102  
 REVISIONS: 1. DATE: 11/13/89 BY: GAW/MS/MS  
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