LEGEND

EXISTING TREE
EXISTING BUSH
EXISTING CHAIN-LINK-FENCE
EXISTING BLOCK WALL
EXISTING SEWER — 10" S
EXISTING WATER — 10" W
EXISTING GAS — 2" G
EXISTING OVERHEAD ELECTRIC — OHP
EXISTING UNDERGROUND ELECTRIC — UGP
EXISTING CABLE T.V. — CATV
EXISTING STORM DRAIN — 24" SD
EXISTING UNDERGROUND TELEPHONE — UGTEL
EXISTING DRIVEWAY
EXISTING CURB AND GUTTER
EXISTING FIRE HYDRANT
EXISTING UTILITY VALVE
EXISTING WATER METER
EXISTING ELECTRICAL PULLBOX
EXISTING TRAFFIC SIGNAL PULLBOX
EXISTING SEWER MANHOLE
EXISTING STORM DRAIN MANHOLE
EXISTING ELECTRICAL MANHOLE
EXISTING TELEPHONE MANHOLE
EXISTING STREETLIGHT
EXISTING POWER POLE
EXISTING STREET SIGN
EXISTING DROP INLET
EXISTING WHEELCHAIR RAMP
EXISTING ELEVATION (90.23 TC)
EXISTING MONUMENT
APROXIMATE BORING HOLE LOCATION B-1

EXISTING TRAFFIC CONTROLLER TRAFF
EXISTING MAILBOX
NEW AC PAVEMENT
NEW ELEVATION 90.23 TC
DIRECTION OF FLOW OR SLOPE
NEW MONUMENT
NEW TRAFFIC SIGNAL
NEW TRAFFIC CONTROLLER TRAFF
EDGE OF PAVEMENT
CENTERLINE
PROPERTY LINE
STREET ADDRESS 0000
EXISTING BLOW-OFF
EXISTING TEST STATION
EXISTING AIR VALVE

ABBREVIATIONS

@	AT	FOC	FACE OF CURB
AC	ASPHALTIC CONCRETE	FL	FLOWLINE
AGG.	AGGREGATE	FG	FINISHED GRADE
AL.	ALUMINUM	FH	FIRE HYDRANT
APPROX.	APPROXIMATE	FT	FOOT/FEET
ASSY.	ASSEMBLY	FUT.	FUTURE
A	COMBINATION AIR VALVE ASSEMBLY	GB	GRADE BREAK
BOC, BC	BACK OF CURB	GM	GAS METER
B	BLOW-OFF VALVE	GV	GAS VALVE
BCR	BACK OF CURB RADIUS	HOR.	HORIZONTAL
BLDG.	BUILDING	ID	INSIDE DIAMETER
BLK.	BLOCK	INT	INTERSECTION
BM	BENCHMARK	INV.	INVERT
BVC	BEGINNING VERTICAL CURVE	K	CURVE COEFFICIENT
BW	BACK OF WALK	KRG	KERN RIVER GAS
CATV	CABLE T.V.	LF	LINEAR FEET
C/E	CONSTRUCTION EASEMENT	LT	LEFT
CLR	CLEAR	LVVWD	LAS VEGAS VALLEY WATER DISTRICT
CLV	CITY OF LAS VEGAS	MAX.	MAXIMUM
CONC., PCC	CONCRETE	MH	MANHOLE
CONST.	CONSTRUCTION	MIN.	MINIMUM
CONT.	CONTINUOUS	MLCP	MORTAR LINED AND COATED PIPE
CCSD	CLARK COUNTY STANDARD DRAWING	MTL.	MATERIAL
CNDT	CONDUIT	N	NORTH
C & G	CURB & GUTTER	NAP	NOT A PART
℄	CENTERLINE	NIC	NOT IN CONTRACT
DET.	DETAIL	NPC	NEVADA POWER COMPANY
DG	DESIGN GRADE	NTS	NOT TO SCALE
DIA.	DIAMETER	O.C.	ON CENTER
DI	DROP INLET	O.D.	OUTSIDE DIAMETER
DIP	DUCTILE IRON PIPE	OG	ORIGINAL GROUND
D/W	DRIVEWAY	OHE	OVERHEAD ELECTRIC
DWG.	DRAWING	PVMT.	PAVEMENT
E	EAST	PC	POINT OF CURVE
EA	EACH	PI	POINT OF INTERSECTION
EG	EX. GROUND OR EDGE OF GUTTER	PP	POWER POLE
EOP, EP	EDGE OF PAVEMENT	PRC	POINT OF REVERSE CURVE
ELEV	ELEVATION	PSI	POUNDS PER SQUARE INCH
EVC	END VERTICAL CURVE	PT	POINT OF TANGENCY
EXIST., EX.	EXISTING	PB	PULLBOX
EXP. JT.	EXPANSION JOINT	℄ OR PL	PROPERTY LINE
PVI	POINT OF VERTICAL INTERSECTION		
RAD.	RADIUS		
RCB	REINFORCED CONCRETE BOX		
RCP	REINFORCED CONCRETE PIPE		
REINF	REINFORCED		
REQ'D	REQUIRED		
RES	RESIDENTIAL		
RET.	RETAINING		
RT	RIGHT		
R/W	RIGHT OF WAY		
STL	STEEL		
S	SOUTH		
SD	STORM DRAIN		
SF	SQUARE FOOT		
SHT	SHEET		
SPECS	SPECIFICATIONS		
SQ	SQUARE		
SS	SANITARY SEWER		
ST	STREET		
STA	STATION		
STD	STANDARD		
SY	SQUARE YARD		
S/W	SIDEWALK		
T	TEST STATION		
TC	TOP OF CURB		
TEMP	TEMPORARY		
THR BLK	THRUST BLOCK		
TMH	TOP OF MANHOLE		
TRANS.	TRANSITION		
TW	TOP OF WALL		
TYP	TYPICAL		
UDACS	UNIFORM DESIGN AND CONSTRUCTION STD. FOR WATER DISTRIBUTION SYSTEMS		
UGP	UNDERGROUND POWER		
USD	UNIFORM STANDARD DRAWING		
UON	UNLESS OTHERWISE NOTED		
VG	VALLEY GUTTER		
VC	VERTICAL CURVE		
VERT	VERTICAL		
VG	VALLEY GUTTER		
W	WEST		
WM	WATER METER		
WV	WATER VALVE		
W/	WITH		

INDEX TO DRAWINGS

SHEET NO.	DWG NO.	TITLE
1	G1	COVER SHEET
2	G2	ABBREVIATIONS, LEGEND AND QUANTITIES
3	G3	CLARK COUNTY AND CITY OF LAS VEGAS NOTES
4	G4	SURVEY CONTROL AND KEY MAP
5	G5	SURVEY CONTROL AND KEY MAP
6	C1	PLAN AND PROFILE STA 1+03.75 TO STA 9+00.00
7	C2	PLAN AND PROFILE STA 9+00.00 TO STA 20+00.00
8	C3	PLAN AND PROFILE STA 20+00.00 TO STA 31+00.00
9	C4	PLAN AND PROFILE STA 31+00.00 TO STA 42+00.00
10	C5	PLAN AND PROFILE STA 42+00.00 TO STA 53+00.00
11	C6	PLAN AND PROFILE STA 53+00.00 TO STA 64+00.00
12	C7	PLAN AND PROFILE STA 64+00.00 TO STA 75+00.00
13	C8	PLAN AND PROFILE STA 75+00.00 TO STA 86+00.00
14	C9	PLAN AND PROFILE STA 86+00.00 TO STA 97+00.00
15	C10	PLAN AND PROFILE STA 97+00.00 TO STA 108+00.00
16	C11	PLAN AND PROFILE STA 108+00.00 TO STA 118+00.00
17	C12	PLAN AND PROFILE STA 118+00.00 TO STA 127+00.00
18	C13	PLAN AND PROFILE STA 127+00.00 TO STA 138+00.00
19	C14	PLAN AND PROFILE STA 138+00.00 TO STA 149+00.00
20	C15	PLAN AND PROFILE STA 149+00.00 TO STA 160+00.00
21	C16	PLAN AND PROFILE STA 160+00.00 TO STA 171+00.00
22	C17	PLAN AND PROFILE STA 171+00.00 TO STA 182+00.00
23	C18	PLAN AND PROFILE STA 182+00.00 TO STA 190+44.26
24	D1	TRENCH DETAILS
25	D2	MANHOLE DETAILS
26	D3	GENERAL DETAILS

BASIS OF BEARING

SOUTH 89°06' WEST – BEING THE SOUTH LINE OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 24, TOWNSHIP 19 SOUTH, RANGE 59 EAST, M.D.M., CLARK COUNTY, NEVADA AS SHOWN ON THE MAP THEREOF IN FILE 37 OF SURVEYS, PAGE 21, OFFICAL RECORDS, CLARK COUNTY, NEVADA.

BENCHMARK

CLARK COUNTY BENCHMARK 1C99/25SSE6 – RIVET AND SQUARE ALUMINUM PLATE IN CONCRETE MAILBOX PAD, 52 FT. EAST AND 30 FT NORTH OF PI OF ANN RD. AND EGAN CREST DR.
NAVD 1988 DATUM
ELEVATION = 844.423 METERS
2770.411 FEET

ESTIMATED QUANTITIES
ALTERNATIVE "A"

ITEM	UNIT	QUANTITY
60 INCH SEWER MANHOLE	EA	19
48 INCH SEWER MANHOLE	EA	31
33 INCH SEWER PIPE	LF	3,378
30 INCH SEWER PIPE	LF	3,146
27 INCH SEWER PIPE	LF	2,657
12 INCH SEWER PIPE	LF	41
10 INCH SEWER PIPE	LF	8,010
8 INCH SEWER PIPE	LF	3,270
ABANDONMENT OF EXISTING SEWER	LF	25

FOR COMPLETE DESCRIPTION, REFER TO THE BID SCHEDULE OF THE CONTRACT DOCUMENTS.

ESTIMATED QUANTITIES
(DEVELOPER REQUIRED PIPELINE)
* * * NOT TO BE CONSTRUCTED * * *
ALTERNATIVE "B"

ITEM	UNIT	QUANTITY
48 INCH SEWER MANHOLE	EA	63
8 INCH SEWER PIPE	LF	19,966
ABANDONMENT OF EXISTING SEWER	LF	25

FOR COMPLETE DESCRIPTION, REFER TO THE BID SCHEDULE OF THE CONTRACT DOCUMENTS.

Avoid cutting underground utility lines. It's costly.
Call before you Dig
1-800-227-2600

REVISIONS

NO.	DATE	DESCRIPTION	APPROVED

DURANGO INTERCEPTOR SEWER
DESIGNED BY: L ATWELL
DRAWN BY: J LUSTRO
CHECKED BY: A ARROYO
JOB NO: 51449
DATE: 8-31-98

PBS&J
501 N. Green Valley Pkwy.
Henderson, Nevada 89014
Phone: 702/362-7300
Fax: 702/362-7320
ENGINEERING · PLANNING · SURVEYING · CONSTRUCTION SERVICES

LOUIS ATWELL
No. 12172
CIVIL
7/14/98

Department of Public Works

DURANGO INTERCEPTOR SEWER
ABBREVIATIONS, LEGEND AND QUANTITIES

CITY OF LAS VEGAS NEVADA

DRAWING No. G2
2 / 26

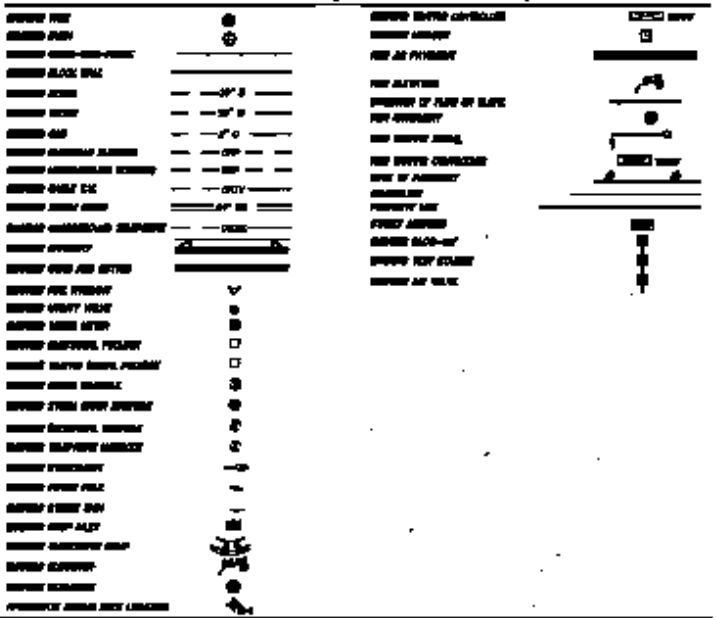
444-07 (1/97)

10415 (S) 10804

X-THIS SHEET HAS BEEN REPLOTTED

307-V77D

LEGEND



ABBREVIATIONS

@	AT	POC	POINT OF CURB	PVI	POINT OF VERTICAL INTERSECTION
AC	ASPHALTIC CONCRETE	R	RADIUS	RCP	REINFORCED CONCRETE PIPE
ADD.	ADDENDUM	R/W	RIGHT-OF-WAY	RWD	REDWOOD
ALT.	ALTERNATE	RWL	RAINWATER LEADER	S	SLOPE
APPROX.	APPROXIMATE	SAN	SANITARY	SAD	SEE ABOVE DRAWING
ASPH.	ASPHALT	SD	STORM DRAIN	SCH	SCHEDULE
B	CENTERLINE AIR VALVE ASSEMBLY	SDMH	STORM DRAIN MANHOLE	SD	SEE DETAIL
BEG. OF	BEGIN OF CURB	SE	SEE ELEVATION	SF	SQUARE FEET
BF	BLOW-OFF VALVE	SEC	SECTION	SHT	SHEET
BM	BENCH OF BEGIN MARKER	SHT	SHEETS	SIM	SIMILAR
BLDG	BUILDING	SP	SPRINKLER	SPEC	SPECIFICATION
BLVD	BLVD	SPEC	SPECIFICATIONS	SQ	SQUARE
BM	BENCHMARK	SQ	SQUARE	SS	STAINLESS STEEL
BOW	BACK OF WALK	ST	STREET	STA	STATION
C	CENTERLINE	STD	STANDARD	STD	STANDARD
CATV	CABLE T.V.	SW	SIDEWALK	SYM	SYMMETRICAL
C/C	CENTER TO CENTER	T	TANGENT	TBM	TEMPORARY BENCH MARK
CB	CURB	TC	TOP OF CURB	TEL	TELEPHONE
CDD	CITY OF LAS CRUCES	TCV	TEMPORARY CONSTRUCTION EASEMENT	TEMP	TEMPORARY
CENT. TYP	CENTERLINE	TEL	TELEPHONE	TOC	TOP OF CONCRETE
CERT	CERTIFICATE	TEMP	TEMPORARY	TOP	TOP OF PIPE
CFM	CUBIC FEET PER MINUTE	TOP	TOP OF PIPE	TOW	TOP OF WALL
CHK	CHECK	TYP	TYPICAL	TYP	TYPICAL
CIP	CAST IRON PIPE	U.G.	UNDERGROUND	UNO	UNLESS NOTED OTHERWISE
CL	CENTERLINE	UP	UTILITY POLE	V	VALVE
CLR	CLEAR	V	VALVE	VAR	VARIES
CMP	CORRUGATED METAL PIPE	VAR	VARIES	VC	VERTICAL CURVE
CO	CLEANOUT	VC	VERTICAL CURVE	VERT	VERTICAL
CONC	CONCRETE	VERT	VERTICAL	W	WATER
CONST	CONSTRUCTION	W	WATER	WM	WATER METER
CONT	CONTINUOUS	WM	WATER METER	WV	WATER VALVE
CP	CONCRETE PIPE	WV	WATER VALVE		
CPP	CORRUGATED POLYETHYLENE PIPE				
CTR	CENTER				
CY	CUBIC YARD				
D	DIAMETER OR CURVE OF WATER				
DEPT. OF	DEPARTMENT OF				
DIA	DIAMETER				
DIP	DUCTILE IRON PIPE				
DW	DRIVEWAY				
E	EAST				
EA	EACH				
EL	ELEVATION				
ELEC	ELECTRIC				
EOP	EDGE OF PAVEMENT				
EQ	EQUAL				
EQUIP	EQUIPMENT				
ESMT	EASEMENT				
EW	EACH WAY				
EXIST	EXISTING				
F	FAHRENHEIT				
FC	FACE OF CURB				
FDN	FOUNDATION				
FF	FINISH FLOOR				
FH	FIRE HYDRANT				
FL	FLOW LINE				
FLG	FLANGE				
FT	FOOT				
G	GAS				
GA	GAUGE				
GALV	GALVANIZED				
GB	GRADE BREAK				
GPM	GALLONS PER MINUTE				
GV	GATE VALVE				
H	HIGH				
HDPE	HIGH DENSITY POLYETHYLENE				
HORIZ	HORIZONTAL				
HP	HORSEPOWER				
HT	HEIGHT				
I	INLET				
ID	INSIDE DIAMETER				
INV	INVERT				
IRR	IRRIGATION				
JT	JOINT				
L	LENGTH				
LB	POUND				
LF	LINEAR FEET				
LP	LIGHT POLE				
LT	LEFT				
MAX	MAXIMUM				
MB	MAILBOX				
MH	MANHOLE				
MIN	MINIMUM				
MISC	MISCELLANEOUS				
N	NORTH				
NIC	NOT IN CONTRACT				
NO.	NUMBER				
NTS	NOT TO SCALE				
OC	ON CENTER				
OD	OUTSIDE DIAMETER				
OH	OVERHEAD				
P	PARKING				
PAVT	PAVEMENT				
PC	POINT OF CURVE				
PCC	POINT OF COMPOUND CURVE				
PE	POLY END				
PED	POINT OF REVERSE CURVE				
PI	POINT OF INTERSECTION				
PL	PROPERTY LINE				
PRC	POINT OF REVERSE CURVE				
PT	POINT OF TANGENT				
PVC	POLYVINYL CHLORIDE				

INDEX TO DRAWINGS

BASIS OF BEARING

BENCHMARK

ESTIMATED QUANTITIES

ALTERNATIVE "A"

ITEM	UNIT	QUANTITY
48 INCH SEWER MANHOLE	EA.	8
42 INCH SEWER MANHOLE	EA.	3
24 INCH SEWER PIPE	LF	3,200
21 INCH SEWER PIPE	LF	3,240
18 INCH SEWER PIPE	LF	5,287
15 INCH SEWER PIPE	LF	77
12 INCH SEWER PIPE	LF	5,200
8 INCH SEWER PIPE	LF	3,870
REPLACEMENT OF EXISTING SEWER	LF	20

FOR COMPLETE DESCRIPTION, REFER TO THE BID SCHEDULE OF THE CONTRACT DOCUMENTS.

ESTIMATED QUANTITIES

DEVELOPER REQUIRED PIPELINE

* * * NOT TO BE CONSTRUCTED * * *

ALTERNATIVE "B"

ITEM	UNIT	QUANTITY
48 INCH SEWER MANHOLE	EA.	8
8 INCH SEWER PIPE	LF	14,000
REPLACEMENT OF EXISTING SEWER	LF	20

FOR COMPLETE DESCRIPTION, REFER TO THE BID SCHEDULE OF THE CONTRACT DOCUMENTS.

811 NEW MEXICO
Call before you Dig
1-800-321-ALERT (2537)

REVISIONS

NO.	DESCRIPTION	DATE

PBS&J

Department of Public Works

DURANGO INTERCEPTOR SEWER
ABBREVIATIONS, LEGEND AND QUANTITIES

DRAWING NO. 01 OF 16

SF1-V770