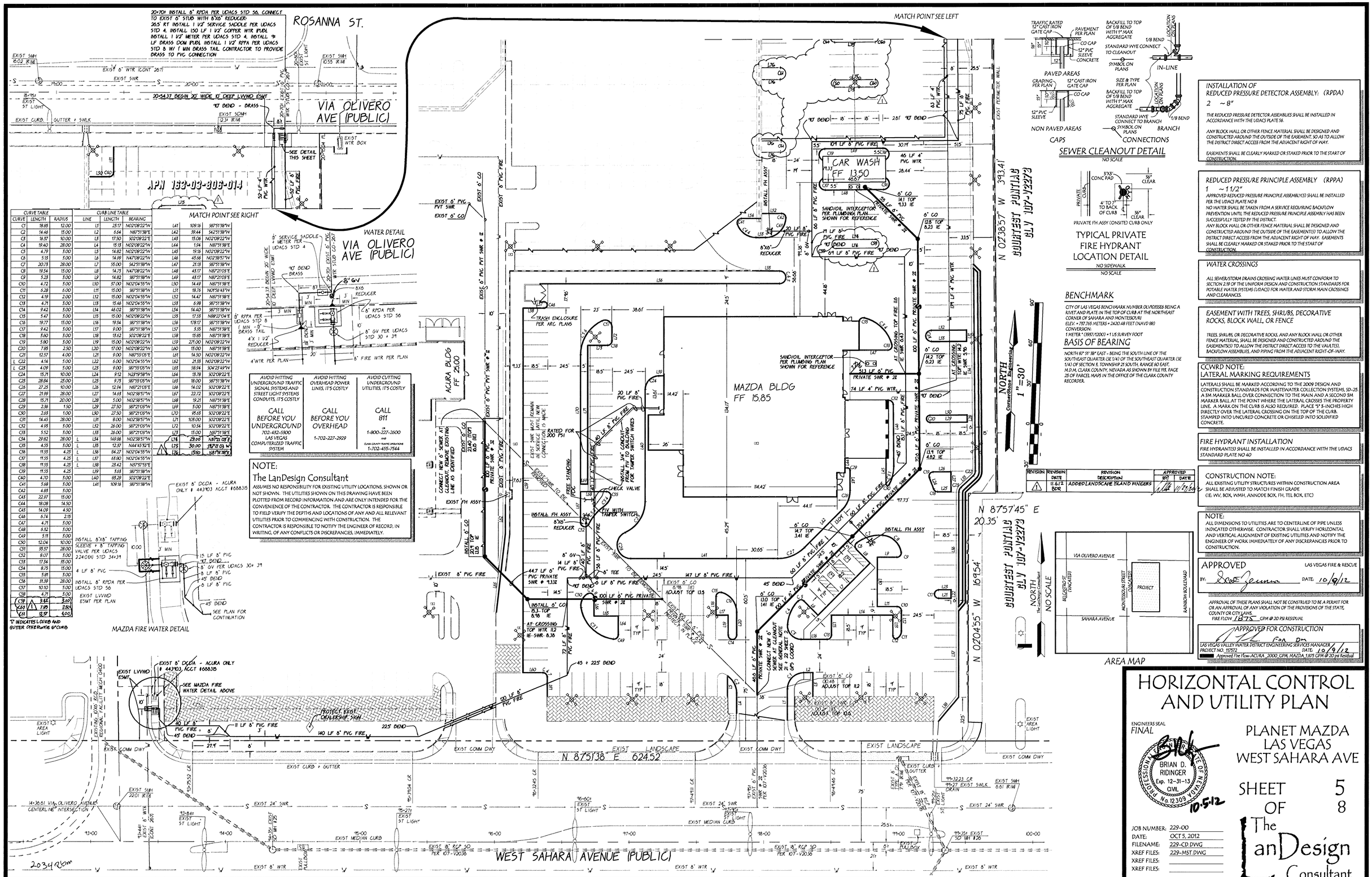

CURVE TABLE		
CURVE	LENGTH	RADIUS
C1	18.85	12.00
C2	14.46	15.00
C3	16.37	10.00
C4	19.40	28.00
C5	4.79	3.00
C6	5.15	5.00
C7	20.73	28.00
C8	19.54	15.00
C9	5.23	5.00
C10	4.72	5.00
C11	6.28	6.00
C12	4.19	2.00
C13	4.71	3.00
C14	9.42	3.00
C15	5.47	3.00
C16	19.77	15.00
C17	9.42	5.00
C18	5.60	3.00
C19	5.80	3.00
C20	7.85	2.50
C21	12.57	4.00
L C22	4.14	5.00
L C23	4.09	5.00
C24	15.71	10.00
C25	28.84	25.00
C26	27.25	10.00
C27	21.99	28.00
C28	15.71	20.00
C29	2.36	1.50
C30	2.65	1.00
C31	14.45	28.00
C32	4.95	3.00
C33	5.52	3.00
C34	29.82	28.00
C35	4.55	5.00
C36	11.55	4.25
C37	11.55	4.25
C38	11.55	4.25
C39	11.55	4.25
C40	4.70	5.00
C41	5.68	5.00
C42	4.85	5.00
C43	22.97	15.00
C44	18.08	14.50
C45	14.09	4.50
C46	6.74	2.15
C47	4.71	5.00
C48	6.32	5.00
C49	5.11	5.00
C50	12.04	10.00
C51	35.57	28.00
C52	8.07	5.00
C53	17.54	35.00
C54	8.75	15.00
C55	5.81	5.00
C56	31.59	28.00
C57	10.10	5.00
C58	4.71	5.00
C59	9.42	3.00
C60	7.85	2.50
C61	12.57	4.00

"L" INDICATES LOCURB AND GUTTER OTHERWISE 6"CURB

CURB LINE TABLE		
LINE	LENGTH	BEARING
L1	23.17	N02°08'22"W
L2	5.64	N87°51'38"E
L3	17.50	S02°08'22"E
L4	15.13	N02°08'22"W
L5	14.82	N02°08'22"W
L6	14.99	N47°08'22"W
L7	55.00	S42°51'38"W
L8	14.75	N47°08'22"W
L9	14.82	N87°51'38"W
L10	57.00	N02°04'55"W
L11	15.00	N87°51'38"W
L12	15.00	N02°04'55"W
L13	15.46	N02°04'55"W
L14	46.02	N87°51'38"W
L15	15.00	N02°08'22"W
L16	19.54	N87°51'38"W
L17	9.00	N87°51'38"E
L18	13.62	S02°08'22"E
L19	15.00	N02°08'22"W
L20	17.00	N02°08'22"W
L21	9.00	N87°51'03"E
L22	6.00	N02°04'55"W
L23	7.00	N87°51'05"W
L24	9.12	N23°19'58"W
L25	9.73	N87°51'05"W
L26	12.94	N87°21'03"E
L27	14.63	N02°58'57"W
L28	5.00	N02°58'57"W
L29	27.50	S87°21'03"W
L30	27.50	S87°21'03"W
L31	8.00	N02°58'57"W
L32	28.00	S87°21'03"W
L33	28.00	S87°21'03"W
L34	14.98	N02°58'57"W
L35	12.37	N44°45'32"E
L36	84.27	N02°04'55"W
L37	67.80	N02°04'55"W
L38	23.42	N57°51'53"E
L39	3.65	S87°51'38"W
L40	85.29	S02°08'22"E
L41	109.16	S87°51'38"W
L42	39.44	S42°51'38"W
L43	15.06	N02°08'22"W
L44	1.94	N87°51'38"E
L45	19.16	N02°08'22"W
L46	45.56	N02°58'57"W
L47	21.13	S87°51'38"W
L48	43.17	N87°21'03"E
L49	43.17	N87°21'03"E
L50	14.49	N87°51'38"E
L51	18.78	N01°56'43"W
L52	14.47	N87°51'38"E
L53	6.98	S87°51'38"W
L54	14.40	S87°51'38"W
L55	17.53	N88°27'04"E
L56	178.17	S87°51'38"W
L57	5.55	N87°51'38"E
L58	15.85	N87°51'38"E
L59	271.00	N02°08'22"W
L60	15.00	N87°51'38"E
L61	14.50	N02°08'22"W
L62	21.53	N02°08'22"W
L63	58.94	S04°23'49"W
L64	13.78	S02°08'22"E
L65	18.00	S87°51'38"W
L66	14.02	S02°08'22"E
L67	22.72	S02°08'22"E
L68	19.21	N87°51'38"E
L69	5.00	N87°51'38"E
L70	95.63	S02°08'22"E
L71	103.00	S02°08'22"E
L72	10.54	S02°08'22"E
L73	15.00	N87°51'38"E
L74	29.60	N87°21'03"E
L75	30.00	S87°21'03"W
L76	15.00	N87°51'38"E

AVOID HITTING UNDERGROUND TRAFFIC SIGNAL SYSTEMS AND STREET LIGHT SYSTEMS CONDUITS, IT'S COSTLY — CALL BEFORE YOU UNDERGROUND 702-432-5800 LAS VEGAS COMPUTERIZED TRAFFIC SYSTEM

AVOID HITTING OVERHEAD POWER LINES, IT'S COSTLY — CALL BEFORE YOU OVERHEAD 1-702-227-2929

AVOID CUTTING UNDERGROUND UTILITIES, IT'S COSTLY — CALL 811 or 1-800-227-2600 AND CLARK COUNTY TRAFFIC OPERATIONS 1-702-455-7544

NOTE:
The LanDesign Consultant
ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS, SHOWN OR NOT SHOWN. THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM RECORD INFORMATION AND ARE ONLY INTENDED FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY THE DEPTHS AND LOCATIONS OF ANY AND ALL RELEVANT UTILITIES PRIOR TO COMMENCING WITH CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE TO NOTIFY THE ENGINEER OF RECORD, IN WRITING, OF ANY CONFLICTS OR DISCREPANCIES, IMMEDIATELY.

SEWER CLEANOUT DETAIL
NO SCALE

TYPICAL PRIVATE FIRE HYDRANT LOCATION DETAIL
NO SIDEWALK
NO SCALE

BENCHMARK
CITY OF LAS VEGAS BENCHMARK NUMBER OLV0255SE6 BEING A RIVET AND PLATE IN THE TOP OF CURB AT THE NORTHEAST CORNER OF SAHARA AND MONTESSOURI
ELEV. = 757.765 METERS = 2420.48 FEET (NAVD 88)
CONVERSION:
1 METER * (3937/1200) = 1 US SURVEY FOOT

BASIS OF BEARING
NORTH 87° 51' 38" EAST - BEING THE SOUTH LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 5, TOWNSHIP 21 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA; AS SHOWN BY FILE 115, PAGE 25 OF PARCEL MAPS IN THE OFFICE OF THE CLARK COUNTY RECORDER.

REVISION	REVISION DATE	REVISION DESCRIPTION	APPROVED BY	APPROVED DATE
1	11.6.12 BDR	ADDED LANDSCAPE ISLAND FINGERS		

INSTALLATION OF REDUCED PRESSURE DETECTOR ASSEMBLY: (RPDA)
2 ~ 8"

THE REDUCED PRESSURE DETECTOR ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH THE UDACS PLATE 56.

ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT, SO AS TO ALLOW THE DISTRICT DIRECT ACCESS FROM THE ADJACENT RIGHT OF WAY.

EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.

REDUCED PRESSURE PRINCIPLE ASSEMBLY (RPPA)
1 ~ 1 1/2"

APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER THE UDACS PLATE NO 8
NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE REDUCED PRESSURE PRINCIPLE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY THE DISTRICT.
ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) TO ALLOW THE DISTRICT DIRECT ACCESS FROM THE ADJACENT RIGHT OF WAY. EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.

WATER CROSSINGS
ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.19 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER, AND STORM MAIN CROSSINGS AND CLEARANCES.

EASEMENT WITH TREES, SHRUBS, DECORATIVE ROCKS, BLOCK WALL, OR FENCE
TREES, SHRUBS, OR DECORATIVE ROCKS, AND ANY BLOCK WALL OR OTHER FENCE MATERIAL, SHALL BE DESIGNED AND CONSTRUCTED AROUND THE EASEMENT(S) TO ALLOW THE DISTRICT DIRECT ACCESS TO THE VALVE(S), BACKFLOW ASSEMBLIES, AND PIPING FROM THE ADJACENT RIGHT-OF-WAY.

CCWRD NOTE: LATERAL MARKING REQUIREMENTS
LATERALS SHALL BE MARKED ACCORDING TO THE 2009 DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS, SD-25 A 3M MARKER BALL OVER CONNECTION TO THE MAIN AND A SECOND 3M MARKER BALL AT THE POINT WHERE THE LATERAL CROSSES THE PROPERTY LINE. A MARK ON THE CURB IS ALSO REQUIRED. PLACE "S" 3-INCHES HIGH DIRECTLY OVER THE LATERAL CROSSING ON THE TOP OF THE CURB, STAMPED INTO UNCURED CONCRETE OR CHISELED INTO SOLIDIFIED CONCRETE.

FIRE HYDRANT INSTALLATION
FIRE HYDRANT(S) SHALL BE INSTALLED IN ACCORDANCE WITH THE UDACS STANDARD PLATE NO 40

CONSTRUCTION NOTE:
ALL EXISTING UTILITY STRUCTURES WITHIN CONSTRUCTION AREA SHALL BE ADJUSTED TO MATCH FINISH GRADE (IE. WV, BOX, WMH, ANNODE BOX, FH, TEL BOX, ETC)

NOTE:
ALL DIMENSIONS TO UTILITIES ARE TO CENTERLINE OF PIPE UNLESS INDICATED OTHERWISE. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL ALIGNMENT OF EXISTING UTILITIES AND NOTIFY THE ENGINEER OF WORK IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

APPROVED — LAS VEGAS FIRE & RESCUE
BY: [signature] DATE: 10/9/12

APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF THE PROVISIONS OF THE STATE, COUNTY OR CITY LAWS.
FIRE FLOW 1875 GPM @ 20 PSI RESIDUAL

APPROVED FOR CONSTRUCTION
FOR DM
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
PROJECT NO. 117572 DATE: 10/9/12
Approved Fire Flow-ACURA - 2000 GPM, MAZDA 1,875 GPM @ 20 psi Residual

HORIZONTAL CONTROL AND UTILITY PLAN

ENGINEERS SEAL
FINAL
BRIAN D. RIDINGER Exp. 12-31-13 CIVIL No. 12309 — PROFESSIONAL ENGINEER STATE OF NEVADA
10.5.12

PLANET MAZDA
LAS VEGAS
WEST SAHARA AVE

SHEET 5 OF 8

JOB NUMBER:	229-00
DATE:	OCT 5, 2012
FILENAME:	229-CD.DWG
XREF FILES:	229-MST.DWG
XREF FILES:	
XREF FILES:	

LVVWD 117572
CLV 46359 107V 5888

The LanDesign Consultant
insightful solutions for land development
1154 Castle Point Ave
Henderson, NV 89074
TEL: 702-547-0047

2308

LEGEND — PROPOSED / EXISTING

DESCRIPTION	2"/CURB	6"/"A"CURB	WALL RETAINING	WALL PERIMETER	FENCE	VALLEY GUTTER	PVMT EDGE SAWCUT	CONDUIT	ST LITE CONDUIT	ST LIGHT	TRAFFIC SIGN	CONTOUR	ELEV TAG	SLOPE TAG	SLOPE	SWALE	FH/VALVE/REDUCER	SWR/WTR/SD	VAULT/PP	METER RPPA DCDA/RPDA
BOUNDARY													10.2 FG	1%						
RIGHT OF WAY												104 105								
CENTERLINE													10.2 (FG)	(1%)						
LOTLINE																				

ABBREVIATIONS																					
AC	ASPHALT	CO	CLEANOUT	ELEC	ELECTRICAL	FDC	FIRE DEPT CONNECT	GB	GRADE BREAK	NG	NATURAL GRADE	PL	PROPERTY LINE	R/W	RIGHT OF WAY	SVZ	SIGHT VISIBILITY ZONE
CATV	CABLE TV	CONC	CONCRETE	EDP	PVMT EDGE	FG	FINISH GRADE	IE	INVERT ELEV	OH	OVERHEAD	PP	POWER POLE	SD	STORM DRAIN	TBC	TOP BACK OF CURB
CL	CENTER LINE	DI	DROP INLET	EASMT	EASEMENT	FH	FIRE HYDRANT	LF	LINEAL FEET	PE	POLYETHYLENE	PVC	POLYVINYL CHLORIDE	SDMH	STORM DRAIN MH	TELE	TELEPHONE
CR	CURB RETURN	DOM	DOMESTIC	EXIST	EXISTING	FL	FLOWLINE	LP/HP	LOW / HIGH POINT	PIV	POST INDICATOR VALVE	PVMT	PAVEMENT	SMH	SEWER MANHOLE	UG	UNDERGROUND
		DWY	DRIVEWAY	FF	FINISH FLOOR			LT/RT	LEFT / RIGHT					SWR	SEWER	VG	VALLEY GUTTER