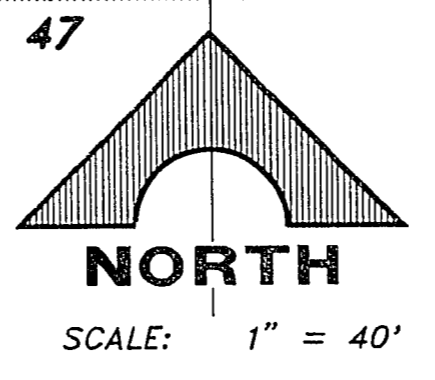


**PHASE ONE CONSTRUCTION**  
 SCALE: HORIZ. 1" = 40'  
 VERT. 1" = 4'



**STORM DRAIN COORDINATES**

DESC.	NORTH	EAST
INLET #8	532,562.100	576,533.411
INLET #9	532,633.323	576,522.962
INLET #10	532,578.448	577,378.518
INLET #11	534,141.514	573,338.875

**STORM DRAIN LINE TABLE**

LINE	BEARING	DISTANCE
15	N 09°01'37" W	68'
16	N 25°23'14" E	95'
17	N 11°48'18" W	158'
18	N 60°45'49" E	38'
19	N 28°05'51" W	51'

**SEWER LINE TABLE**

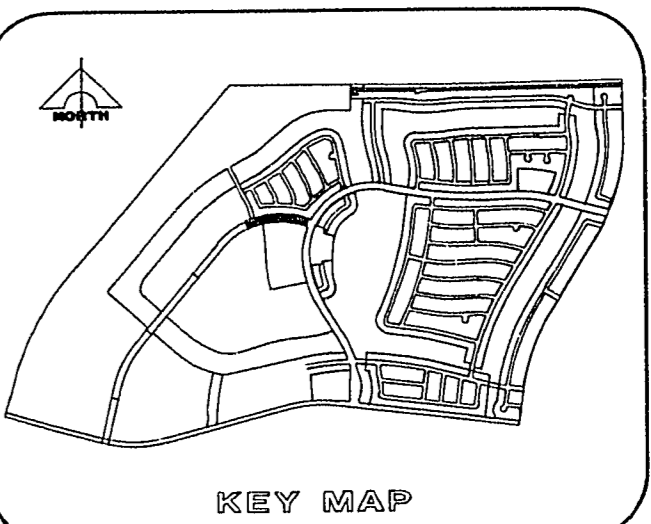
LINE	BEARING	DISTANCE
10	S 13°22'16" E	171.40'

**Call before you Dig.**  
 1-800-227-2600  
 (NEVADA SERVICE)

**NOTE**  
 HST - HIGHSIDE TRANSITION  
 LST - LOWSIDE TRANSITION

REMOVE VALVE AND CAP OR  
 All valves to be abandoned shall be abandoned in the closed position, unless shown otherwise, by removing a minimum of the top 12 inches of the valve box and then filling the remaining portion of the valve box with concrete having a compressive strength of at least 2,000 psi.  
 The Contractor shall not use the existing pipe 3" beyond the abandoned valve and install a cap, where a joint or coupling in the existing pipe is uncovered at the out and cap location. The installation of a stop may be permitted with District approval. The Contractor shall install a concrete thrust block in accordance with the provisions of the District's Standard Plate No. 5 at all out and cap locations.

\*\* PLUS SANITARY SEWER AND STORM DRAIN AT MANHOLE & ABANDON LINES.



APPROVED FOR CONSTRUCTION  
 [Signature]  
 DATE: 10-2-14

**① CURVE TABLE**

CURVE	DELTA	RADIUS	LENGTH	TANGENT
1	28°12'34"	1208.33'	1208.33'	303.62'
2	04°48'05"	1201.67'	100.00'	50.03'
3	28°11'52"	1235.00'	607.80'	310.19'
4	27°28'02"	1185.00'	557.82'	284.36'
5	180°00'00"	3.33'	10.46'	---
6	82°34'10"	30.00'	43.23'	26.34'
7	98°49'41"	30.00'	31.75'	35.69'
8	92°25'54"	30.00'	48.63'	37.55'
9	00°38'26"	800.00'	8.94'	4.47'
10	86°14'10"	30.00'	45.15'	28.09'
11	04°27'55"	1198.33'	100.36'	50.21'
12	05°05'14"	1185.00'	103.44'	51.75'
13	08°07'45"	300.00'	42.56'	21.32'
14	93°37'16"	200.00'	32.69'	21.31'
15	13°29'12"	300.00'	70.63'	35.48'

**② CURVE TABLE**

CURVE	DELTA	RADIUS	LENGTH	TANGENT
16	88°35'02"	20.00'	31.27'	19.86'
17	20°58'09"	1191.67'	436.13'	220.53'
18	10°48'40"	1208.33'	228.00'	114.34'
19	13°01'05"	1200.00'	159.29'	88.23'
20	12°27'16"	1165.00'	253.24'	127.12'
21	37°28'09"	1235.00'	808.00'	419.06'
22	82°00'00"	20.00'	32.11'	20.71'
23	180°00'00"	8.33'	26.17'	---
24	04°02'42"	1198.33'	84.60'	42.32'
25	04°02'42"	1191.67'	84.13'	42.08'
26	08°07'02"	300.00'	42.50'	21.29'
27	13°30'31"	300.00'	70.23'	35.53'
28	12°41'11"	1165.00'	257.95'	129.51'
29	04°48'41"	1208.33'	101.42'	50.78'
30	04°48'48"	1201.67'	100.24'	50.15'

**THOMAS W. RYAN BOULEVARD**  
 NOTE: SEE SHEET 9 FOR TYPICAL STREET SECTION

REV.	DATE	DESCRIPTION	BY	CHK.
1	08/11/14	ISSUE FOR PERMITS	JL	ML
2	08/11/14	ADD. E.L.I. & UTILITIES	JL	ML
3	08/11/14	REMOVE EXIST. P.H.I.	JL	ML
4	08/11/14	REMOVE EXIST. P.H.I.	JL	ML

REQUIREMENTS BY NEVADA ENGINEER-STATE REG. NO. 11-277-73  
 MICHAEL D. ROSS  
 ENGINEER  
 6218 W. APRIL RD.  
 LAS VEGAS, NV 89118  
 P.E. NO. 6218

DEL WEBB COMMUNITIES, INC.  
 SUN CITY LAS VEGAS  
 THOMAS W. RYAN BLVD. - PHASE I  
 STA. 40+50 TO STA. 50+54.52

SHEET  
**6**  
 OF 10 SHEETS

JOB NO. 701.127  
 PLOTTED: 04/13/20 12:04 PM DRAWING: C:\P\701.127\9-9.dwg