

# Memorandum

Department of Public Works  
City Engineer Division  
Survey Section  
333 North Rancho Dr., 8<sup>th</sup> Floor  
Las Vegas, Nevada 89106

Phone (702) 229-6217  
Fax (702) 804-8582

To: Michael Cunningham, Manager  
Building and Safety Department

From: Alan R. Riecki, PLS  
City Surveyor

C: Lance M. West, PLS  
Wallace Morris Kline Surveying, Inc.

Tim Parks, P.E., Engineering Project Manager  
Sanitary Sewers Section, Engineering Planning

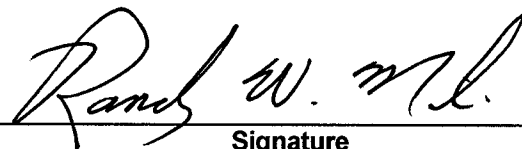
Date: November 10, 2015

Re: Sanitary Sewer Final Location Map  
Skye Canyon Phase 1 Eagle Canyon Avenue, Skye Park Drive, & Mountain Landing  
Street (Racel Street & Conquistador Street)  
(Drawing No. 107V6296-RC, L-Civil No. 54673)

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The Survey Section has reviewed the Final Location Map and as far as our jurisdiction of this project is concerned, we find that the map is:

Acceptable: 11/10/2015

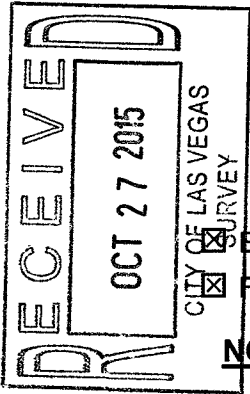


Signature

FOR: City Surveyor  
Title

Public Works/Survey  
Department/Division

ARR/OS:js



# CITY OF LAS VEGAS

BUILDING AND SAFETY DEPARTMENT

OFFSITE INSPECTION & TESTING  
333 NORTH RANCHO DRIVE  
LAS VEGAS, NV 89106  
PHONE: (702) 229-6337  
FAX: (702) 363-1051

## DEVELOPER'S SUBMITTAL OF GPS COORDINATES

Sewer  Storm Drain

Electronic Comma Delineated File  
 Final Location Map (2)

**NOTE: THE TOP PART OF THIS FORM MUST BE FILLED OUT IN ITS ENTIRETY**

PROJECT NAME: SKYE CANYON PHASE 1 EAGLE CANYON AVENUE, SKYE PARK DRIVE & MOUNTAIN LANDING STREET UNIT: N/A PHASE: 1

PROJECT LOCATION: GRAND CANYON & GRAND TETON

CLV PLAN #: 107V6296-RC CLV PROJECT # 54673 SHEET NO. (S): 2

# OF MANHOLES 15 PUB. SEWER/STORM DRAIN LIN. FT. 2856 # OF PRIVATE LATERALS 0

DEVELOPER: NINTY-FIVE MANAGEMENT LLC PHONE: 702-220-6565 FAX: 702-220-6566

SURVEY CO.: WALLACE MORRIS KLINE PHONE: 702-212-3967 FAX: 702-212-3963

CONTRACTOR: NATIONAL PIPELINE CONTRACTORS LLC. PHONE: 702-361-8020 FAX: 702-361-4539

CONTRACTOR'S SUPERVISOR NAME: DUSTIN SCHEWEI MOBILE: \_\_\_\_\_

DATE OF REQUEST: SEPTEMBER 23, 2015

### THIS SEWER HAS BEEN SURVEYED BY NEVADA LICENSED LAND SURVEYOR:

Company Name WALLACE MORRIS KLINE Surveyor Name LANCE WEST

License # 18232 License exp. Date: 06/30/2016

### CITY USE ONLY

DATE SR. INSPECTOR RECEIVED: \_\_\_\_\_ SR. INSPECTOR INITIALS: \_\_\_\_\_

DATE RECEIVED FROM SR. INSPECTOR AND SENT TO CITY SURVEYOR: \_\_\_\_\_

ACCEPTABLE BY CITY SURVEYOR DATE: 11/10/15 NOT ACCEPTABLE BY CITY SURVEYOR DATE \_\_\_\_\_

CLV SURVEYOR'S SIGNATURE: Randy W. M... DATE: 11/10/15

THE CITY OF LAS VEGAS RECOMMENDS THAT ALL DEFICIENCIES NOTED ON THE ATTACHED SURVEY REPORT BE CORRECTED PRIOR TO THE FINAL ACCEPTANCE.

### For Sanitary Sewer To Complete and Return to Offsite Inspection & Testing:

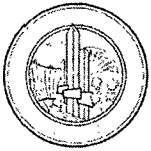
RECEIVED BY: Joe Peña  
(PLEASE PRINT)

SIGNATURE: Joe Peña DATE: 2/10/2016

### For Flood Control To Complete and Return to Offsite Inspection & Testing:

RECEIVED BY: \_\_\_\_\_  
(PLEASE PRINT)

SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_



**City of Las Vegas**  
**Department of Public Works**  
**Survey Section**

**REVIEW CHECKLIST**  
**SANITARY SEWER**  
**FINAL LOCATION MAP**

JOB NUMBER H54673 SS1  
PROJECT NAME SKYE CANYON PH1 EAGLE CANYON, SKYE PARK DR&MTN LANDING  
WORK AUTH. NO. P28000  
SUBMITTED BY Wallace Morris Kline Surveying  
PROJECT TYPE CIP  Land Dev  Street Rehab   
DATE 11/16/15  
REVIEWED BY O. SANTANA

**REVIEW DETERMINATION**

- Approved
- Not Acceptable

**TO BE RE-SUBMITTED**

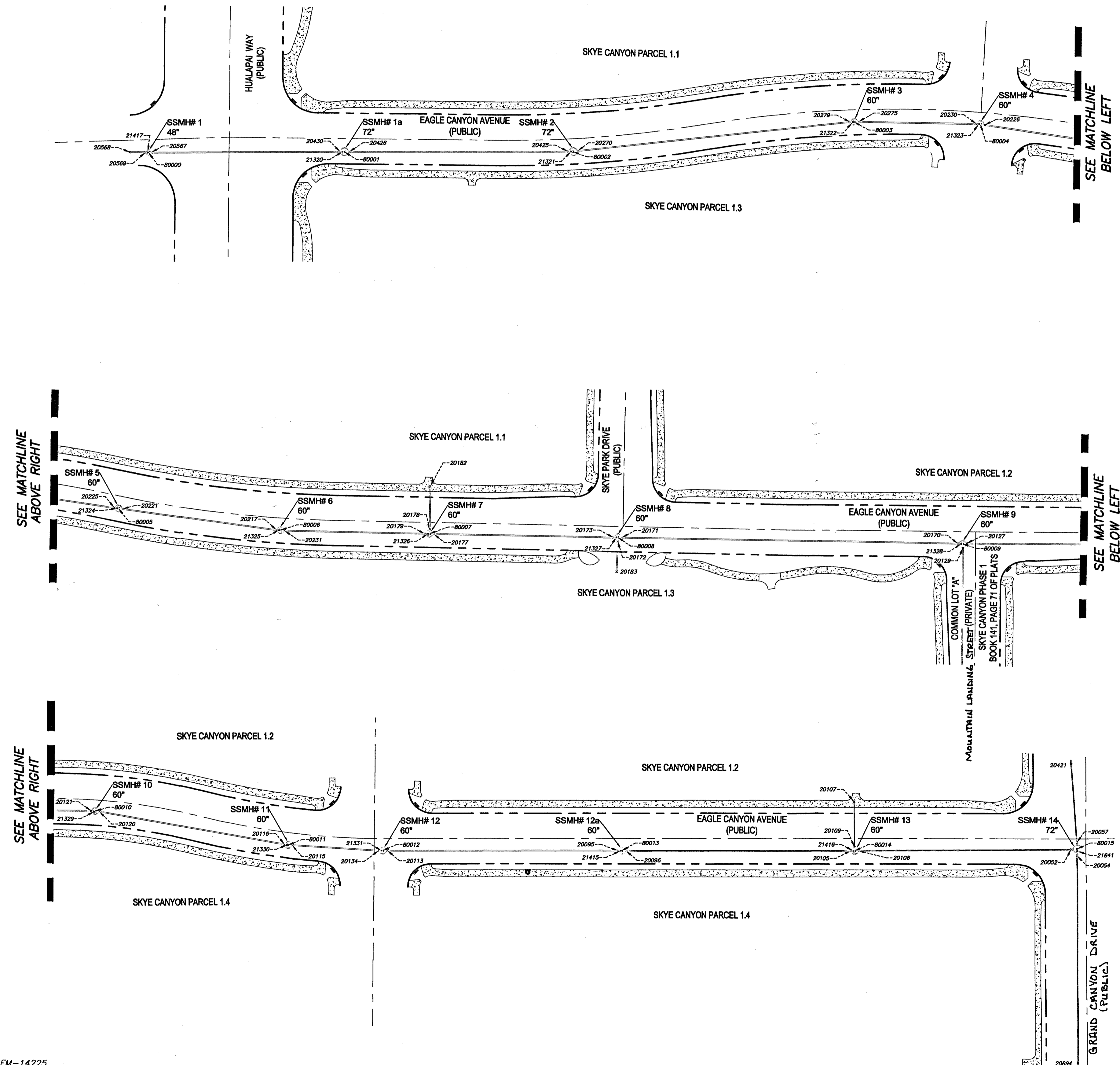
- Two bond copies (no mylar)
- Electronic media with comma-separated coordinate file

REVIEW ITEM	OK	SEE R/L	N/A	COMMENTS
<b>Submittal Contents</b>				
Two bond copies (no mylar)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Electronic media containing comma-separated coordinate file	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>General Map Contents</b>				
Sheet size 24" x 36"	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Sheet number and number of sheets	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
North arrow (pointing up, left or right)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Scale (written & graphic, correctly shown, appropriate scale used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Lettering legibility (minimum text size 0.08")	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Map title shown ("Sanitary Sewer Final Location Map")	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CLV project name shown	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CLV Hansen No. shown	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CLV Drawing No. shown	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Preparer's company name and contact information shown	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Legend (all linetypes and symbols defined)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Non-standard abbreviations defined	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Distances, coordinates and elevations labeled using decimal feet	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Approximate limits of streets shown (improvements or right-of-way)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Street names labeled (identified as public or private)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	



# SANITARY SEWER FINAL LOCATION MAP FOR IMPROVEMENT PLANS FOR SKYE CANYON PHASE 1 EAGLE CANYON AVENUE, SKYE PARK DRIVE & MOUNTAIN LANDING STREET

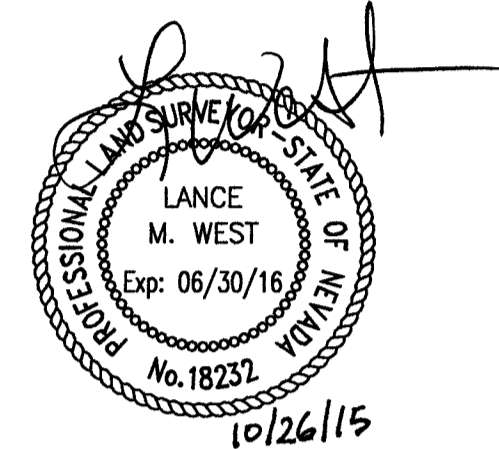
A COMMON INTEREST COMMUNITY  
BEING A SUBDIVISION OF ALL OF GOVERNMENT LOTS 18, 19, 20, 21, OF SECTION 7, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA



### SURVEYOR'S STATEMENT

- 1) SURVEY WAS COMPLETED ON SEPTEMBER 23, 2015.
- 2) THE POSITIONAL CERTAINTY FOR THIS SURVEY IS 0.5' HORIZONTAL AND 0.5' VERTICAL BASED ON NAD83(2011), EPOCH 2010.00
- 3) THE POSITIONAL CERTAINTY STATED DOES NOT TAKE INTO ACCOUNT ANY MODIFICATIONS TO THE PIPE, MANHOLES OR LATERALS COMPLETED AFTER THE DATE OF SURVEY.

LANCE M. WEST  
PROFESSIONAL LAND SURVEYOR  
NEVADA LICENSE NO. 18232



### BASIS OF BEARINGS

GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM (NCRS), LAS VEGAS AND LAS VEGAS HIGH ELEVATION ZONES, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°58' WEST OF THE GREENWICH MERIDIAN.

ZONE: LAS VEGAS ZONE

DATUM (REFERENCE FRAME): NAD 1983(2011) EPOCH 2010.00

SYSTEM: NEVADA COORDINATE REFERENCE SYSTEM (NCRS)

PROJECTION: TRANSVERSE MERCATOR

STANDARD PARALLEL (AND LATITUDE OF GRID ORIGIN): 36°15'00"N

LONGITUDE OF CENTRAL MERIDIAN: 114°58'00"W

NORTHING AT GRID ORIGIN: 200,000.00 M (656,166.6667 FEET US)

EASTING AT CENTRAL MERIDIAN: 100,000.00 M (328,083.3333 FEET US)

SCALE FACTOR ON CENTRAL MERIDIAN: 1.0001 (EXACT)

### NOTES:

1. ALL DISTANCES AND BEARINGS SHOWN HEREON ARE PROJECTED (GRID) VALUES BASED ON THE PRECEDING PROJECTION DEFINITION.
2. GRID BEARING SHOWN HEREON (OR IMPLIED BY GRID COORDINATES) DO NOT EQUAL GEODETIC BEARING DUE TO MERIDIAN CONVERGENCE.

### BENCHMARK

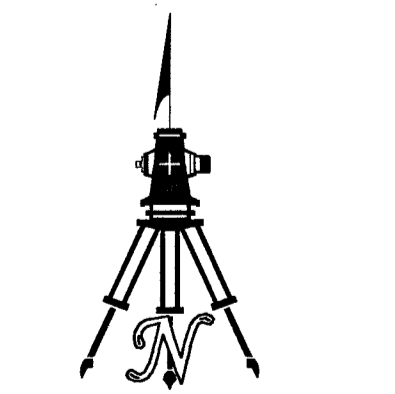
USDA(1934)6 - U.S. DEPARTMENT OF AGRICULTURE BRASS DISC @ SW CORNER OF U.S. 95 AND KYLE CANYON ROAD

2817.62 US SURVEY FEET  
858.813 METERS

N.A.V.D. 88 DATUM

### LEGEND

---	RIGHT-OF-WAY LINE	CL BARREL	CENTER OF 48" MANHOLE BARREL
---	STREET CENTERLINE	SEWER-MH	SHOT TAKEN AT CENTER OF 38" COLLAR WITH 24" LID
---	SEWER LINE	PIPE-TOP	SHOT TAKEN ON TOP OF PIPE
x	POINT LOCATION		
23118	POINT NUMBER		
⊙	SEWER MANHOLE		



( IN FEET )  
1 INCH = 50 FT.

SHEET 1 OF 2

H#-54673  
DWG#-107V6296-RC

SANITARY SEWER FINAL LOCATION MAP  
IMPROVEMENT PLANS FOR SKYE CANYON PHASE 1  
EAGLE CANYON AVE., SKYE PARK DR. & MOUNTAIN LANDING ST.

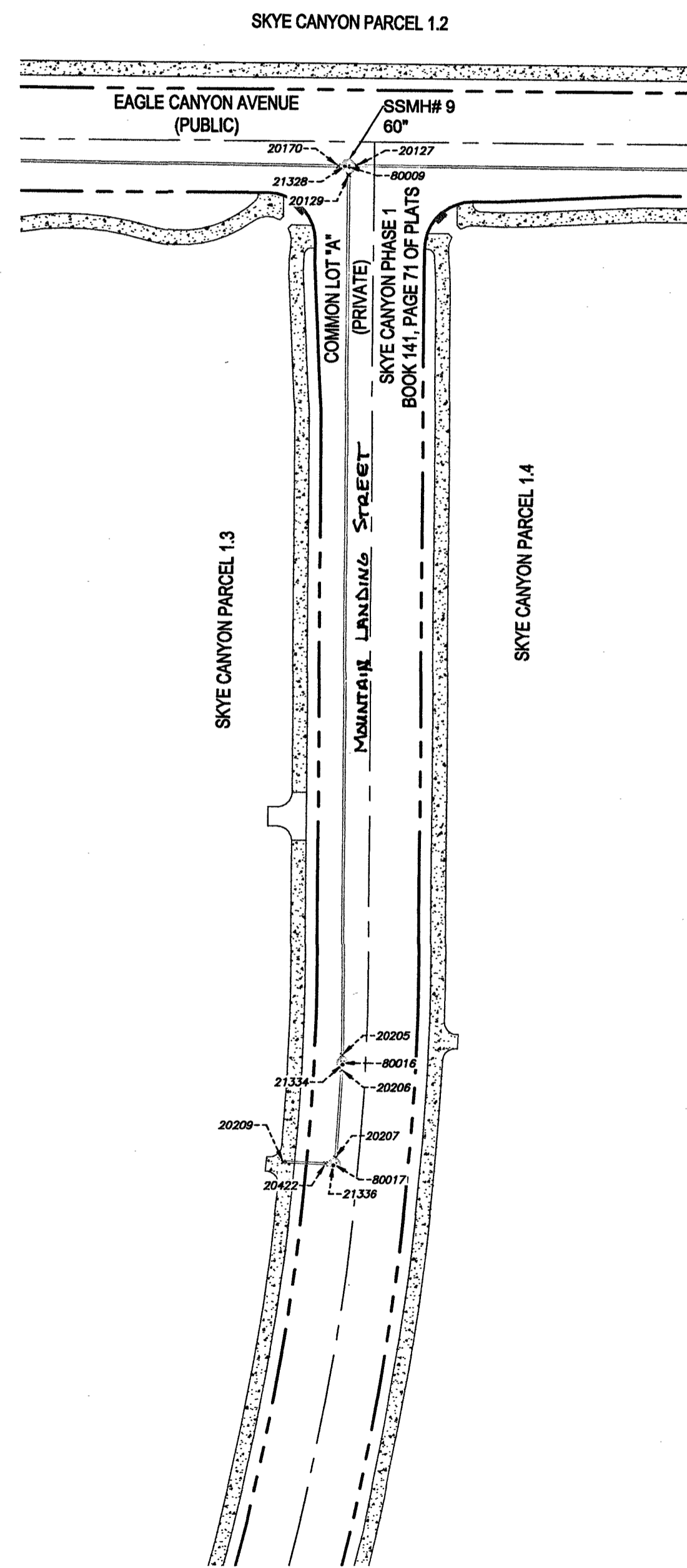
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**WALLACE · MORRIS · KLINE**  
SURVEYING, INC.  
LAND SURVEY CONSULTING  
5740 SOUTH ARVILLE STREET, #206  
LAS VEGAS, NEVADA 89118  
PH: 702.212.3967 FX: 702.212.3963

# SANITARY SEWER FINAL LOCATION MAP FOR IMPROVEMENT PLANS FOR SKYE CANYON PHASE 1 EAGLE CANYON AVENUE, SKYE PARK DRIVE & MOUNTAIN LANDING STREET

A COMMON INTEREST COMMUNITY  
BEING A SUBDIVISION OF ALL OF GOVERNMENT LOTS 18, 19, 20, 21, OF SECTION 7, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA



POINT TABLE				
POINT NO.	RAW DESC.	ELEVATION	NORTHING	EASTING
20052	PIPE-TOP	2736.41	678301.9679	228107.2908
20054	PIPE-TOP	2736.75	678296.7315	228112.3812
20057	PIPE-TOP	2736.29	678307.8798	228112.2137
20095	PIPE-TOP	2750.76	678300.1773	227718.9623
20096	PIPE-TOP	2750.39	678300.1103	227725.8032
20105	PIPE-TOP	2738.45	678300.4450	227919.2282
20106	PIPE-TOP	2738.23	678300.4654	227925.4276
20107	PIPE-TOP	2738.79	678342.1975	227921.7106
20109	PIPE-TOP	2738.58	678303.6857	227922.1988
20113	PIPE-TOP	2762.90	678299.8145	227522.0790
20115	PIPE-TOP	2764.58	678304.3570	227440.5615
20116	PIPE-TOP	2764.85	678304.9548	227433.5128
20120	PIPE-TOP	2770.47	678333.1643	227275.5074
20121	PIPE-TOP	2770.74	678333.6712	227268.4309
20127	PIPE-TOP	2773.86	678336.0128	226970.6592

POINT TABLE				
POINT NO.	RAW DESC.	ELEVATION	NORTHING	EASTING
20217	PIPE-TOP	2800.47	678345.9966	226379.9097
20221	PIPE-TOP	2808.64	678364.0944	226248.9455
20225	PIPE-TOP	2809.09	678364.9882	226241.6895
20226	PIPE-TOP	2814.42	678384.2241	226110.6833
20230	PIPE-TOP	2814.71	678385.0628	226103.6963
20231	PIPE-TOP	2800.17	678345.5153	226386.9804
20270	PIPE-TOP	2820.39	678361.5461	225762.9405
20275	PIPE-TOP	2817.48	678386.6848	226002.7823
20279	PIPE-TOP	2817.52	678386.4369	225995.7394
20421	PIPE-TOP	2736.12	678374.6136	228106.8611
20422	PIPE-TOP	2782.10	677920.6508	226958.1437
20425	PIPE-TOP	2820.62	678360.8850	225754.4834
20426	PIPE-TOP	2822.68	678360.2791	225567.6452
20430	PIPE-TOP	2823.35	678360.2950	225559.9464
20567	PIPE-TOP	2829.25	678359.3669	225398.4618

POINT TABLE				
POINT NO.	RAW DESC.	ELEVATION	NORTHING	EASTING
21334	SWR-MH	2794.96	677961.9814	226965.1122
21336	SWR-MH	2795.63	677920.0086	226961.3180
21415	SWR-MH	2764.28	678300.1729	227721.2717
21416	SWR-MH	2754.70	678300.2987	227921.3129
21417	SWR-MH	2847.37	678359.4884	225395.2641
21641	SWR-MH	2749.70	678300.7847	228112.4931
80000	CL BARREL	0.00	678359.5142	225395.9534
80001	CL BARREL	0.00	678360.3530	225563.3943
80002	CL BARREL	0.00	678360.8606	225758.6724
80003	CL BARREL	0.00	678386.4806	225999.0604
80004	CL BARREL	0.00	678384.9083	226106.9948
80005	CL BARREL	0.00	678364.5034	226245.1809
80006	CL BARREL	0.00	678345.7805	226383.3310
80007	CL BARREL	0.00	678342.9483	226511.1064
80008	CL BARREL	0.00	678340.5676	226671.8415

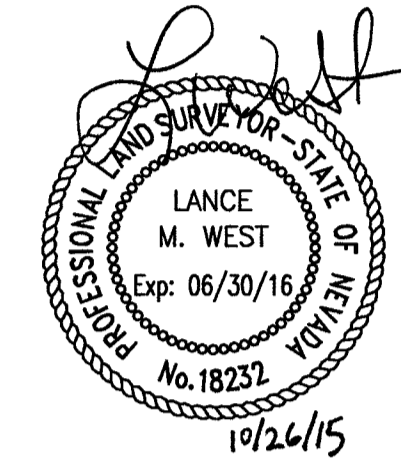
POINT TABLE				
POINT NO.	RAW DESC.	ELEVATION	NORTHING	EASTING
20129	PIPE-TOP	2774.11	678332.0908	226967.4465
20134	PIPE-TOP	2763.36	678299.8189	227514.9348
20170	PIPE-TOP	2773.94	678335.8901	226963.1676
20171	PIPE-TOP	2785.87	678340.1414	226675.2993
20172	PIPE-TOP	2786.13	678337.0857	226671.9586
20173	PIPE-TOP	2786.19	678340.2565	226688.2820
20177	PIPE-TOP	2792.31	678342.8075	226514.7847
20178	PIPE-TOP	2792.53	678346.0003	226511.4775
20179	PIPE-TOP	2792.62	678342.9864	226507.2546
20182	PIPE-TOP	2792.73	678383.3176	226511.7184
20183	PIPE-TOP	2787.66	678311.3965	226670.9797
20205	PIPE-TOP	2780.79	677965.9002	226964.9846
20206	PIPE-TOP	2781.05	677959.7820	226964.8875
20207	PIPE-TOP	2782.05	677923.2522	226962.3201
20209	PIPE-TOP	2782.48	677921.4528	226940.4465

POINT TABLE				
POINT NO.	RAW DESC.	ELEVATION	NORTHING	EASTING
20568	PIPE-TOP	2829.85	678359.7356	225379.9341
20569	PIPE-TOP	2829.58	678359.5983	225393.3409
20694	PIPE-TOP	2737.26	678120.5771	228113.2626
21320	SWR-MH	2846.71	678360.2779	225561.7467
21321	SWR-MH	2843.78	678360.8840	225757.0074
21322	SWR-MH	2833.17	678386.4906	225997.8946
21323	SWR-MH	2827.72	678385.0477	226105.8375
21324	SWR-MH	2820.95	678364.6711	226244.0304
21325	SWR-MH	2814.11	678345.8840	226382.1611
21326	SWR-MH	2807.80	678342.9587	226509.9397
21327	SWR-MH	2799.65	678340.5318	226670.6768
21328	SWR-MH	2789.91	678335.7415	226965.8925
21329	SWR-MH	2784.87	678332.8975	227270.9073
21330	SWR-MH	2778.13	678304.4366	227435.7829
21331	SWR-MH	2774.08	678299.8191	227517.0993

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POINT NO.	RAW DESC.	ELEVATION	NORTHING	EASTING
80009	CL BARREL	0.00	678335.6271	226967.0520
80010	CL BARREL	0.00	678333.4955	227271.9773
80011	CL BARREL	0.00	678304.4252	227436.9304
80012	CL BARREL	0.00	678299.7006	227518.2834
80013	CL BARREL	0.00	678300.1617	227722.4446
80014	CL BARREL	0.00	678300.3116	227922.4030
80015	CL BARREL	0.00	678302.4494	228112.3991
80016	CL BARREL	0.00	677962.6484	226965.0884
80017	CL BARREL	0.00	677920.4431	226961.8559

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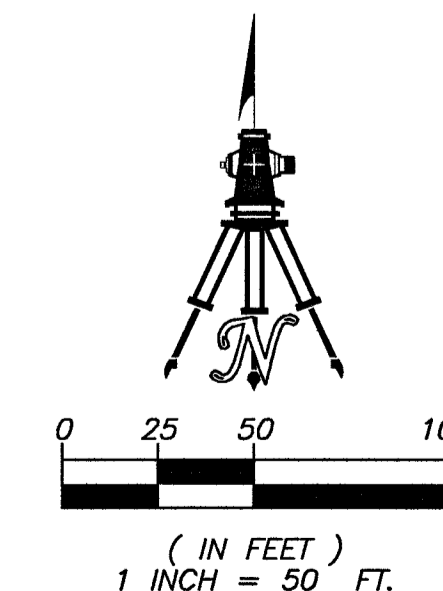
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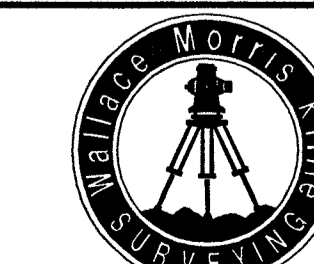


SHEET 2 OF 2

H#-54673  
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SANITARY SEWER FINAL LOCATION MAP  
IMPROVEMENT PLANS FOR SKYE CANYON PHASE 1  
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