

DS #: 4929

APN: 138-06-401.004

PROJECT: Desert Trace

SUBMITTAL: Supplement

SCANNED BY/DATE:

CHECKED BY/DATE:



|                                                                            |                                                                                                           |                                                                                                   |
|----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| <b>CITY OF LAS VEGAS<br/>INTER-OFFICE MEMORANDUM</b>                       |                                                                                                           | <b>DATE:</b><br>November 16, 2017                                                                 |
| <b>TO:</b><br>Land Development Services<br>Department of Building & Safety |                                                                                                           | <b>FROM:</b><br>Albert Sung, P.E.<br>Flood Control Project Engineer<br>Department of Public Works |
| <b>SUBJECT:</b>                                                            | Drainage Study for:<br><b>Desert Trace</b><br>(Project in Clark County for City of Las Vegas Concurrence) | <b>COPIES TO:</b><br>Slater Hanifan Group                                                         |
| <b>Cross Streets:</b>                                                      | NWC of Alexander Road & Jensen Street                                                                     | Alexander & Jensen LLC                                                                            |
| <b>File Number:</b>                                                        | F:\Depot\DSMemos\DS4929B.doc                                                                              | Bart Anderson, P.E., DevCo                                                                        |
| <b>Parcel Number:</b>                                                      | 138-06-401-004                                                                                            | CCPW                                                                                              |
| <b>Zoning Action:</b>                                                      | N/A                                                                                                       |                                                                                                   |
| <b>FEMA Flood Zone</b>                                                     | YES NO <b>X</b>                                                                                           |                                                                                                   |
| <b>Proposed Storm Drain</b>                                                | YES NO <b>X</b>                                                                                           |                                                                                                   |

| HISTORY                    | DATE RECEIVED | DATE REVIEWED | COMMENTS           | REVIEW FEES     | FEES PAID<br>Payment Trn # |
|----------------------------|---------------|---------------|--------------------|-----------------|----------------------------|
| 1 <sup>st</sup> Submittal  | 10/17/2017    | 11/1/2017     | Not Approved       | \$400.00        | 490606: \$400              |
| Supplement                 | 11/2/2017     | 11/16/2017    | See Comments Below | N/C             | N/C                        |
| <b>TOTAL FEES (LDDRS):</b> |               |               |                    | <b>\$400.00</b> | <b>----</b>                |

#### REMARKS:

The Drainage Study for the subject project has been reviewed and:

|          |                                                                                                |
|----------|------------------------------------------------------------------------------------------------|
| <b>X</b> | is approved subject to conformance to all City standards and the following conditions:         |
|          | must be resubmitted or supplemented including the following:                                   |
|          | is conditionally approved subject to Clark County Regional Flood Control District concurrence. |
|          | is conditionally approved subject to Clark County Public Works Department concurrence.         |

**City of Las Vegas Flood Control** staff has reviewed the Technical Drainage Study, including the Addendum #1 to Addendum #3 for the subject development "**Desert Trace**" within the jurisdiction of the **Clark County**. **City of Las Vegas** concurs with the acceptance of the drainage study by the **Clark County Public Works Department**. The review of this project was limited to issues of flood control significance to the **City of Las Vegas**.

**NOTE:** Any future changes to the proposed design (or design assumptions) as outlined in the approved drainage study and attached preliminary grading plan which affect drainage must be addressed in a Drainage Study Update and accepted by the *City of Las Vegas Flood Control Section*. Additionally, conditional acceptance of a drainage study is valid for a period of one (1) year. If the proposed construction has not been completed in that time period, the *City of Las Vegas* reserves the right to require additional conditions and/or submission and acceptance of a complete drainage study update prior to further construction of a project.

**NOTE:** Please be advised that all land surface area disturbances over 1 acre or any area adjacent to a water way must submit to the *Nevada Division of Environmental Protection* a "Notice of Intent" to discharge that certifies a stormwater pollution prevention plan has been developed and is maintained on site; for inclusion in the Stormwater General Permit No. NVR100000. A phased construction unit in a contiguous subdivision is considered under construction until all stripped or disturbed surface areas have been covered by paving, building construction or planting. For more information, including forms and applications see <http://ndep.nv.gov/bwpc/storm01.htm> or call (775) 687-9429.

**END OF REMARKS**  
ays

T/R/S: T20S/R60E/06  
AREA L-06

# REGIONAL FLOOD CONTROL DISTRICT



Steven C. Parrish, P.E.  
General Manager/Chief  
Engineer

## BOARD OF DIRECTORS

Lawrence L. Brown, III  
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City of Boulder City

November 15, 2017

Mr. Layne Weber, P.E.  
Clark County Department of Public Works  
500 S. Grand Central Parkway, Box 554000  
Las Vegas, NV 89155-4000

**DISTRICT CONCURRENCE: DESERT TRACE**  
**(HTE# 17-20936) (RFCD No. 17-9945)**

Dear Mr. Weber:

Clark County Regional Flood Control District (District) reviewed Technical Drainage Study dated May 1, 2017, Addendum No. 1 dated July 14, 2017, and Addendum No. 2 dated September 11, 2017 for above-mentioned project as submitted by SLATER HANIFAN GROUP, Inc. In addition, District is in receipt of the Conditional Letter of Acceptance from Clark County Department of Public Works dated October 5, 2017.

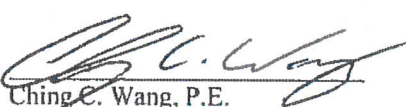
District concurs with acceptance of this Technical Drainage Study by Clark County Department of Public Works.

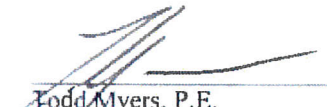
District's review of this project was limited to issues of Regional Flood Control Significance as defined in *Uniform Regulations for the Control of Drainage*.

Please be aware that as additional information becomes available and/or restudies of Flood Insurance Studies are performed, information submitted by SLATER HANIFAN GROUP, Inc. may be superseded. Compliance with regulatory elements and design standards specified in *Uniform Regulations for the Control of Drainage* does not imply a guarantee that properties will be free from flooding or flood damage. The District, its officials, or employees assume no liability for information, data, or conclusions presented by consulting engineers. We, therefore, make no warranties, either expressed or implied, in conducting this review.

STEVEN C. PARRISH, P.E.  
General Manager/Chief Engineer

BY:

  
Ching C. Wang, P.E.  
Senior Civil Engineer

  
Todd Myers, P.E.  
Engineering Director

CCW:dd

c: Amy Poechmann, P.E., Slater Hanifan Group, Inc.

P:\Letters and Memos\Local Drainage\Land Development & Drainage\2017\L-17-9945 doc

# TECHNICAL DRAINAGE STUDY ADDENDUM No.3

## **Desert Trace**

Unincorporated Clark County, Nevada

Job No.: PIN1701.000

Date: November 2017

### **Prepared By:**

Slater Hanifan Group, Inc.  
5740 S. Arville Street, Suite 216  
Las Vegas, Nevada 89118  
Phone: 702-284-5300 • Fax: 702-284-5399

### **Prepared For:**

Pinnacle Homes  
9225 W. Flamingo Road, Suite 190  
Las Vegas, Nevada 89147  
Phone: 702-228-0720



Amy Poechmann, P.E.  
NV Professional Engineer No. 18320

Assisted By: Erick Mata, E.I.

HYDROLOGIC CRITERIA AND DRAINAGE MANUAL  
**DRAINAGE STUDY INFORMATION FORM**

Name of Development: Desert Trace (Addendum No.3) Date: 11/02/2017

Location of Development: a) Descriptive (Cross Streets) North/South: Jensen Street  
East/West: Solitaria Drive

b) Section: 6 Township: 20S Range: 60E

c) APN: 138-06-401-004

Name of Owner: Alexander & Jensen LLC and Larsen 1977 Trust/ Pinnacle Homes

Telephone No.: (702) 228-0720 Fax No.: (702) 228-5895 E-Mail Address: frank@pinnaclelv.com

Address: 9225 W. Flamingo Road, Suite 190 Las Vegas Nevada 89147

Contact Person-Name: Amy Poechmann Telephone No.: 702-284-5300

\* E-Mail Address: apoechmann@shg-inc.com Fax No.: 702-284-5399

Firm: Slater Hanifan Group

Address: 5740 S. Arville Street #216 Las Vegas NV 89118

Type of Land Development/Land Disturbance Process:

|                          |                  |                                     |                          |                          |                              |
|--------------------------|------------------|-------------------------------------|--------------------------|--------------------------|------------------------------|
| <input type="checkbox"/> | Rezoning         | <input checked="" type="checkbox"/> | Subdivision Map          | <input type="checkbox"/> | Clearing and Grading Only    |
| <input type="checkbox"/> | Parcel Map       | <input type="checkbox"/>            | Planned Unit Development | <input type="checkbox"/> | Other (Please specify below) |
| <input type="checkbox"/> | Large Parcel Map | <input type="checkbox"/>            | Building Permit          | <input type="checkbox"/> |                              |

1. Total Owned Land Area: At Site: 4.6 acres Being Developed/Disturbed: 4.6 acres

2. Is a portion or all of the subject property located in a designated FEMA Flood Hazard Area? ☐ Yes\*\* ☒ No

3. Is the property bordered or crossed by an existing or proposed Clark County Regional Flood Control District Master Planned Facility? ☒ Yes\*\* ☐ No

4. Proposed type of development (Residential, Commercial, Etc.): Residential

5. Approximate upstream land area which drains to the subject site: Approx. 15 acres (no offsite flows enters site)

6. Has the site drainage been evaluated in the past? ☒ YES ☐ NO If yes, please identify documentation: Technical Drainage Study for Jensen and Alexander 9 Lot Subdivision (HTE#06-18408)

7. If known, please briefly identify the proposed discharge point(s) of runoff from the site: Project site will discharge to Jensen Street.

8. Briefly describe your proposed schedule for the subject project: ASAP, Single Phase.



Engineer's Seal

Submit this form as part of the required drainage study to the local entity which has jurisdiction over the subject property. This form may provide sufficient information to serve as the Conceptual Drainage Study.

**\*New Required Field**

**\*\*Review and concurrence of the Clark County Regional Flood Control District is required.**

|                             | Revision | Date |
|-----------------------------|----------|------|
|                             |          |      |
|                             |          |      |
|                             |          |      |
| Local Entity File No. _____ |          |      |

REFERENCE:

STANDARD FORM 1



# Department of Public Works

## Development Review Division

500 S Grand Central Pky | Box 554000 | Las Vegas NV 89155-4000  
(702) 455-4600 | Fax (702) 388-2550  
www.ClarkCountyNV.gov/PubWorks

Clear Form

### Drainage Study Submittal Sheet

(Each Submittal must have a separate sheet and check)

HTE # 17-20936

Date Submitted: 11/02/2017

Previous HTE Number

Type of Submittal: ☐ Initial ☒ Addendum ☐ Supplement

Number of Acres: ☒ up to 5 acres ☐ up to 40 acres ☐ up to 320 acres ☐ over 320 acres

Project Name: Desert Trace (Addendum No.3)

Assessor's Parcel Numbers (APN's): 138-06-401-004

Street Location: East/West Solitaria Drive North/South Jensen Street

Land Use Applications: Residential

Project Type: (Check any that apply)

☐ Update ☐ Concurrence Review ☐ Grading Plan Review ☐ Structural Review

List previous Tracking Number

Engineering Firm/Responsible Engineer Slater Hanifan Group Amy Poechmann Phone number 702-284-5300

Address 5740 S. Arville Street #216

Fax number 702-284-5399

City/State/Zip Las Vegas

NV

89118

E-mail Address apoechmann@shg-inc.com

Owner/Developer Alexander & Jensen LLC and Larsen 1977 Trust/ Pinnacle Homes Phone number (702) 228-0720

Address 9225 W. Flamingo Road, Suite 190

Fax number (702) 228-5895

City/State/Zip Las Vegas

Nevada

89147

E-mail Address frank@pinnaclelv.com



PIN1701.000

November 2, 2017

Albert Sung, P.E.  
Flood Control Project Engineer  
City of Las Vegas Department of Public Works  
333 N. Rancho Drive  
Las Vegas, Nevada 89106

**Subject: Addendum No.3 to the Technical Drainage Study for Desert Trace  
HTE #17-20936**

Mr. Sung:

This letter is submitted in response to comments contained in the November 1, 2017 review memorandum regarding the above referenced project. A copy of the City of Las Vegas drainage study comment letter is included in Appendix A. The comments have been individually addressed in this letter.

1. **Comment:** *Provide a copy of the approval letter from Clark County Public Works Department in the next submittal.*

**Response:** A copy of the approval letter has been included in Appendix B.

1. **Comment:** *On the grading plan and all pertinent plan and profile sheets, show an existing storm drain and the associated facilities in Alexander Road. Label with City of Las Vegas recorded drawing number.*

**Response:** The plans have been updated as requested.

The above responses and revisions provided on the plans should adequately address the concerns as presented in the review memorandum. If you have any questions or require additional information, please do not hesitate to contact us at (702) 284-5300.

Respectfully Submitted,

SLATER HANIFAN GROUP

Amy Poechmann, P.E. – SHG

Flood Control Division

pc: Mark Failla, P.E., CFM – SHG  
Kevin Bross, P.E. – SHG

**LIST OF APPENDICIES**

|                   |                                     |
|-------------------|-------------------------------------|
| <b>Appendix A</b> | <b>CLV Comment Letter</b>           |
| <b>Appendix B</b> | <b>Clark County Approval Letter</b> |
| <b>Appendix C</b> | <b>Revised Improvement Plans</b>    |

# APPENDIX A

## CLV Comment Letter

|                                                                            |                                                                                                           |                                                                                                   |
|----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| <b>CITY OF LAS VEGAS</b>                                                   |                                                                                                           | <b>DATE:</b>                                                                                      |
| <b>INTER-OFFICE MEMORANDUM</b>                                             |                                                                                                           | November 1, 2017                                                                                  |
| <b>TO:</b><br>Land Development Services<br>Department of Building & Safety |                                                                                                           | <b>FROM:</b><br>Albert Sung, P.E.<br>Flood Control Project Engineer<br>Department of Public Works |
| <b>SUBJECT:</b>                                                            | Drainage Study for:<br><b>Desert Trace</b><br>(Project in Clark County for City of Las Vegas Concurrence) | <b>COPIES TO:</b><br>Slater Hanifan Group                                                         |
| <b>Cross Streets:</b>                                                      | NWC of Alexander Road & Jensen Street                                                                     | Alexander & Jensen LLC                                                                            |
| <b>File Number:</b>                                                        | F:\Depot\DSMemos\DS4929A.doc                                                                              | Bart Anderson, P.E., DevCo                                                                        |
| <b>Parcel Number:</b>                                                      | 138-06-401-004                                                                                            | CCPW                                                                                              |
| <b>Zoning Action:</b>                                                      | N/A                                                                                                       |                                                                                                   |
| <b>FEMA Flood Zone</b>                                                     | YES NO <b>X</b>                                                                                           |                                                                                                   |
| <b>Proposed Storm Drain</b>                                                | YES NO <b>X</b>                                                                                           |                                                                                                   |

| HISTORY                   | DATE RECEIVED | DATE REVIEWED | COMMENTS                   | REVIEW FEES     | FEES PAID<br>Payment Trn # |
|---------------------------|---------------|---------------|----------------------------|-----------------|----------------------------|
| 1 <sup>st</sup> Submittal | 10/17/2017    | 11/1/2017     | See Comments Below         | \$400.00        | 490606: \$400              |
|                           |               |               | <b>TOTAL FEES (LDDRS):</b> | <b>\$400.00</b> | ----                       |

**REMARKS:**

The Drainage Study for the subject project has been reviewed and:

|          |                                                                                                |
|----------|------------------------------------------------------------------------------------------------|
|          | is approved subject to conformance to all City standards and the following conditions:         |
| <b>X</b> | must be resubmitted or supplemented including the following:                                   |
|          | is conditionally approved subject to Clark County Regional Flood Control District concurrence. |
|          | is conditionally approved subject to Clark County Public Works Department concurrence.         |

1. Provide a copy of the approval letter from *Clark County Public Works Department* in the next submittal.
2. On the grading plan and all pertinent plan and profile sheets, show an existing storm drain and the associated facilities in *Alexander Road*. Label with *City of Las Vegas* recorded drawing number.

**NOTE:** Please be advised that all land surface area disturbances over 1 acre or any area adjacent to a water way must submit to the *Nevada Division of Environmental Protection* a "Notice of Intent" to discharge that certifies a stormwater pollution prevention plan has been developed and is maintained on site; for inclusion in the Stormwater General Permit No. NVR100000. A phased construction unit in a contiguous subdivision is considered under construction until all stripped or disturbed surface areas have been covered by paving, building construction or planting. For more information, including forms and applications see <http://ndep.nv.gov/bwpc/storm01.htm> or call (775) 687-9429.

**END OF REMARKS**  
ays

T/R/S: T20S/R60E/06  
AREA L-06

## APPENDIX B

Clark County Approval Letter



# Department of Public Works

500 S Grand Central Pky • Box 554000 • Las Vegas NV 89155-4000  
(702) 455-6000 • Fax (702) 455-6040

Denis Cederburg, P.E., Director • E-Mail: dlc@ClarkCountyNV.gov

## Drainage Study Approval Letter

**Date:** October 5, 2017  
**Firm:** Slater Hanifan Group  
**Engineer:** Amy Poechmann, P.E.  
**Address:** 5740 S. Arville, #216, Las Vegas, NV 89118  
**Phone:** (702) 284-5300  
**Fax:** (702) 284-5399  
**E-mail:** apoechmann@shg-inc.com

**Subject:** Technical Drainage Study for Desert Trace  
**Location:** NWC of West Alexander Road and North Jensen Street  
**APN:** 138-06-401-004  
**Sec, Township, Range:** S06, T20S, R60E  
**Flood Zone & Panel:** Unshaded Zone X, 2135F, Dated November 16, 2011  
**Application Number:** 17-20936

| Submittals  | Date Received | Date Returned | Reviewer | Miscellaneous |
|-------------|---------------|---------------|----------|---------------|
| Technical   | 05/05/2017    | 05/25/2017    | GLW      |               |
| Addendum #1 | 07/14/2017    | 08/16/2017    | GLW      |               |
| Addendum #2 | 09/11/2017    | 10/05/2017    | GLW      |               |
|             |               |               |          |               |
|             |               |               |          |               |
|             |               |               |          |               |

| Concurrence Required:<br>(Must be obtained prior to permit issuance) |                                              | Reason Concurrence is Required                                                 |
|----------------------------------------------------------------------|----------------------------------------------|--------------------------------------------------------------------------------|
|                                                                      | Boulder City                                 | Adjacent to or Impacts Jurisdiction                                            |
|                                                                      | City of Mesquite                             | Adjacent to or Impacts Jurisdiction                                            |
|                                                                      | City of Henderson                            | Adjacent to or Impacts Jurisdiction                                            |
| X                                                                    | City of Las Vegas                            | Adjacent to or Impacts Jurisdiction                                            |
|                                                                      | City of North Las Vegas                      | Adjacent to or Impacts Jurisdiction                                            |
|                                                                      | Nevada Department of Transportation          | Adjacent to or Impacts NDOT Facility                                           |
|                                                                      | Union Pacific Rail Road                      | Adjacent to or Impacts a UPRR Facility                                         |
|                                                                      | US Army Corps of Engineers                   | Impacts a USACE Facility                                                       |
| X                                                                    | Clark County Regional Flood Control District | Regional Significance, Adjacent to or Impacts CCRFCD MPU Facility or in a SFHA |

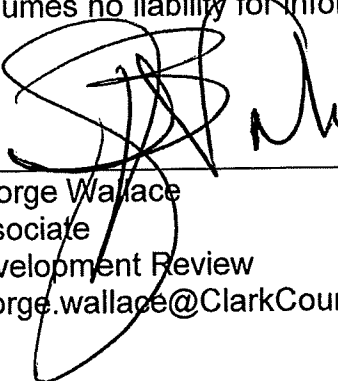
The referenced **Technical Drainage Study Update** has been reviewed and is accepted as complying with minimum improvement standards. As set forth in the subject drainage study, the following measures will be taken to mitigate flood hazards.

The site shall be graded with respect to drainage as shown on **"Desert Trace"**, grading plan sheets C-1, C-2, C-3, G-1, G-2, D-1, PP-1, PP-2, PP-3, PP-4, and PP-5, signed and sealed by Kevin Bross, P.E., on September 11, 2017.

**Check appropriate conditions**

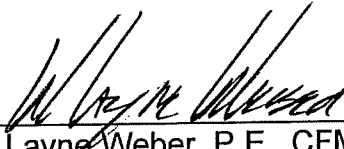
|   |                                                                                                                                                                                                                                                                                                                                                                                    |
|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   | Retaining/screen wall combination may be in excess of current <b>Clark County Unified Development Code, Chapter 30.64.050.</b>                                                                                                                                                                                                                                                     |
|   | A FEMA Elevation Certificate, completed by a licensed surveyor, must be submitted to and approved by CCPW Development Review Plan Check prior to the issuance of Certificates of Occupancy for those structures.                                                                                                                                                                   |
| X | Mylars of the grading plan must be submitted to the CCPW Development Review Plan Check for approval signatures prior to map recordation (residential) or permit issuance (commercial).                                                                                                                                                                                             |
|   | An administrative variance to allow the finished floor elevation(s) to be set below the current Clark County criteria must be approved. The finished floor variance must be submitted to CCPW Development Review front counter after drainage study approval and prior to offsite final review.                                                                                    |
| X | The grading plan will be reviewed by the Building Office Operations Division to ensure compliance with the ADA access requirements. Revisions to the grading plan may be required if the site accessibility design does not comply with the requirements set forth in the Accessibility Chapter of the Clark County Building Code.                                                 |
|   | The plans show work is proposed on another property. Notarized written permission must be obtained <b>prior to</b> plan approval. A grading permit must be obtained from Building Dept prior to grading.                                                                                                                                                                           |
|   | Right-of-way dedication must be verified.                                                                                                                                                                                                                                                                                                                                          |
|   | Any previously approved drainage easements that are not being used must be vacated.                                                                                                                                                                                                                                                                                                |
|   | Per <i>Regional Flood Control District policies and Procedures manual, Section VIII. D. 13. Uniform Regulations for the Control of Drainage</i> , the Engineer of Record shall provide As-Built plans or record drawings to the District after completion and final inspection of such privately installed flood control facilities that have regional flood control significance. |
|   | Structural calculations are required. The structural calculations, plans, and details must be approved prior to "Offsite" submittal and prior to CCRFCD submittal, if applicable.                                                                                                                                                                                                  |
| X | Plan revisions can be found on the red-lined plans and must be addressed.                                                                                                                                                                                                                                                                                                          |
|   | Prepare drainage easement documents as shown on the grading plans.                                                                                                                                                                                                                                                                                                                 |

The County's review is solely based on the information submitted by the Engineer of Record. The County's review is strictly limited to compliance with minimum County Codes and Standards. The Engineer of Record is responsible for researching and addressing situations that may require designs above and beyond the minimum codes for issues of public safety and impacts to upstream, downstream and adjacent properties. The County assumes no liability for information data, designs or conclusions of the Engineer of Record.



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George Wallace  
Associate  
Development Review  
george.wallace@ClarkCountyNV.gov



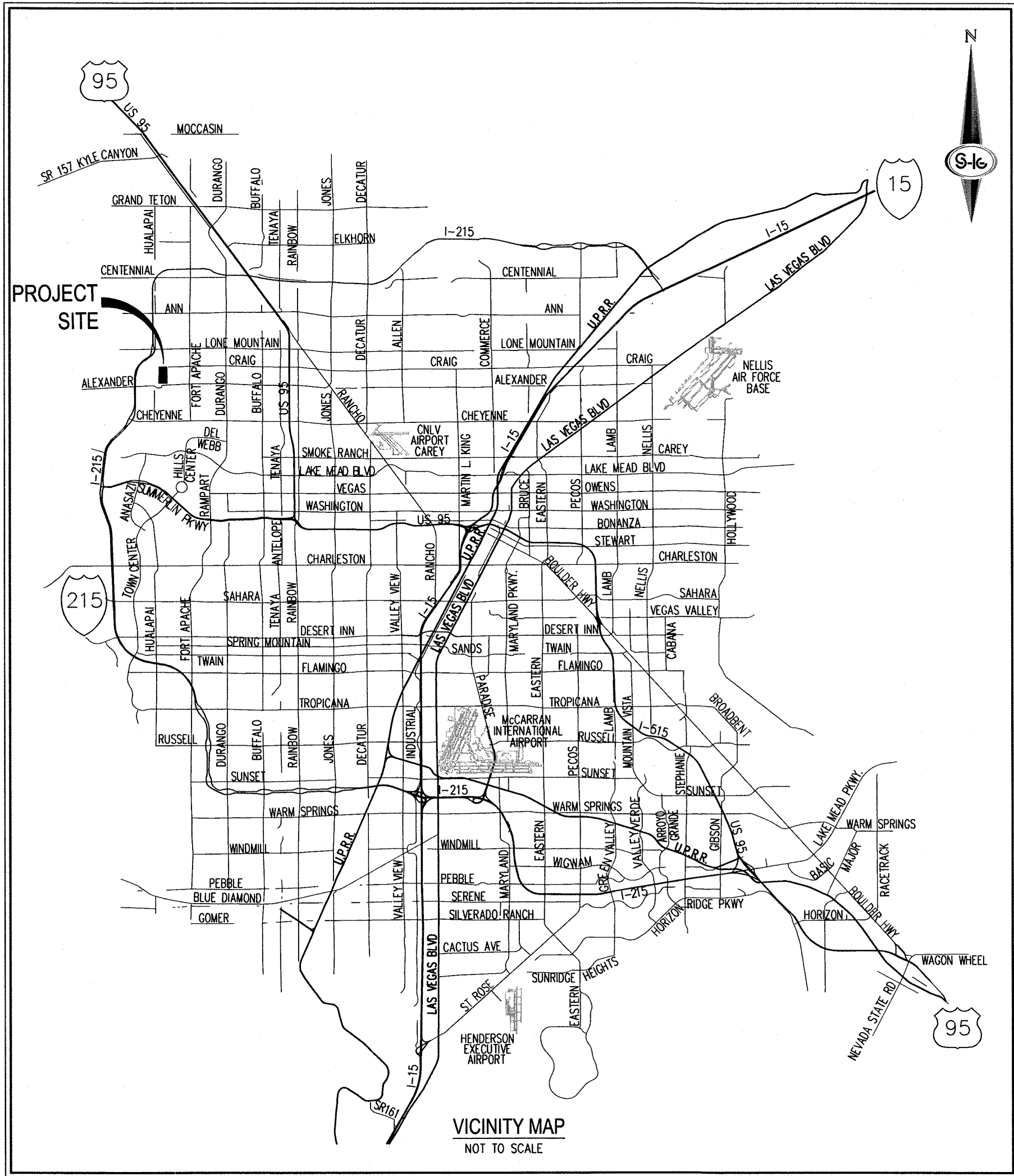
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W. Layne Weber, P.E., CFM  
Principal Engineer  
Development Review  
wlweber@ClarkCountyNV.gov

## APPENDIX C

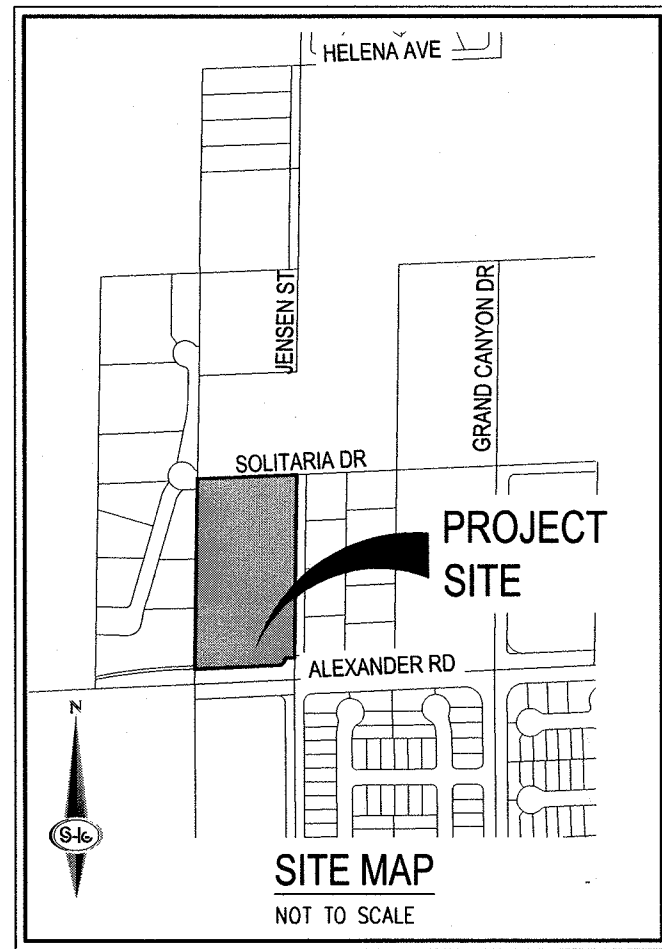
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### Revised Improvement Plans



# PINNACLE HOMES IMPROVEMENT PLANS FOR DESERT TRACE

CLARK COUNTY, NEVADA  
RESIDENTIAL SUBDIVISION  
APN:138-06-401-004



| SHEET INDEX |       |                                       |
|-------------|-------|---------------------------------------|
| NO.         | SHEET | TITLE                                 |
| 1           | C-1   | COVER SHEET                           |
| 2           | C-2   | GENERAL NOTES                         |
| 3           | C-3   | QUANTITIES AND ABBREVIATION           |
| 4           | G-1   | GRADING PLAN I                        |
| 5           | G-2   | GRADING PLAN II                       |
| 6           | D-1   | STREET SECTIONS AND GRADING DETAILS   |
| 7           | PP-1  | PLAN AND PROFILE - DESERT TRACE CT    |
| 8           | PP-2  | PLAN AND PROFILE - DESERT TRACE CT II |
| 9           | PP-3  | PLAN AND PROFILE - SOLITARIA DR       |
| 10          | PP-4  | PLAN AND PROFILE - JENSEN ST I        |
| 11          | PP-5  | PLAN AND PROFILE - JENSEN ST II       |
| 12          | PP-6  | PLAN AND PROFILE - ALEXANDER RD I     |
| 13          | PP-7  | PLAN AND PROFILE - ALEXANDER RD II    |
| 14          | U-1   | UTILITY PLAN I                        |
| 15          | U-2   | UTILITY PLAN II                       |
| 16          | T-1   | TRAFFIC PLAN I                        |
| 17          | T-2   | TRAFFIC PLAN II                       |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| APPROVALS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |
| CLARK COUNTY<br>FIRE DEPARTMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | DATE   |
| APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE, COUNTY LAWS AND/OR SPECIFICATIONS.                                                                                                                                                                                                                                                                                                                                                             |        |
| 2,000 GPM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 20 PSI |
| CITY ENGINEER-ALLEN PAVELKA PE, #9029 (SEWER ONLY)<br>INTERLOCAL# RECORDED DOC# DATE                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |
| APPROVAL OF THESE PLANS BY THE CITY ENGINEER IS LIMITED TO THOSE IMPROVEMENTS CONSTRUCTED IN THE DEDICATED RIGHT-OF-WAY, AND/OR DEDICATED EASEMENTS. THIS APPROVAL DOES NOT AUTHORIZE CONSTRUCTION OF ANY IMPROVEMENTS THAT DEVIATE FROM ADOPTED STANDARDS AND/OR SPECIFICATIONS EXCEPT THOSE SPECIFICALLY LISTED UNDER DEVIATIONS FROM STANDARDS. THE ENGINEER SHALL RESOLVE ANY DEVIATION OTHER THAN THOSE LISTED IN DEVIATIONS FROM STANDARDS IN FAVOR OF THE UNIFORM STANDARD DRAWINGS AND SPECIFICATIONS, CLARK COUNTY AREA, NEVADA. |        |
| CENTRAL TELEPHONE CO. DBA CENTURYLINK<br>DATE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |
| THE AFFIXED CENTURYLINK APPROVAL DOES NOT ASSUME OR GUARANTEE LIABILITY FOR KNOWN OR UNKNOWN CONFLICTS WITH EXISTING OR PROPOSED IMPROVEMENTS. RESOLUTION OF ANY CONFLICT WILL BE ACCOMPLISHED PURSUANT TO LOCAL ORDINANCES, NEVADA REVISED STATUTES AND / OR PUBLIC UTILITY COMMISSION RULES AND REGULATIONS.                                                                                                                                                                                                                            |        |
| APPROVED FOR CONSTRUCTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |
| LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER<br>PROJECT NO. DATE<br>LVWVD APPROVED FIRE FLOW 2,000 GPM AT 20 PSI RESIDUAL<br>SHEETS:                                                                                                                                                                                                                                                                                                                                                                                      |        |
| APPROVAL BY THE FIRE DEPARTMENT HAVING JURISDICTION IS REQUIRED PRIOR TO OBTAINING FINAL APPROVAL FROM LAS VEGAS VALLEY WATER DISTRICT.                                                                                                                                                                                                                                                                                                                                                                                                   |        |
| NV ENERGY<br>DATE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |
| NV ENERGY ACKNOWLEDGES THAT WE HAVE RECEIVED YOUR PLANS AND WILL PROVIDE SERVICE TO ALL ELECTRICAL NEEDS ASSOCIATED WITH THIS PROJECT. NV ENERGY RESERVES THE RIGHT TO ADDRESS ANY EXISTING OR FUTURE CONFLICTS ONCE THE FINAL DESIGN IS COMPLETED. THE NEW SERVICE AND THE RESOLUTION OF ANY CONFLICTS WILL BE ACCOMPLISHED PURSUANT TO THE NEVADA PUBLIC UTILITY COMMISSION'S RULES AND REGULATIONS.                                                                                                                                    |        |
| SOUTHWEST GAS CORPORATION<br>DATE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |
| COX COMMUNICATIONS LAS VEGAS, INC.<br>DATE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |

|                                                                                                                        |                                                                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| OWNER/DEVELOPER                                                                                                        | ENGINEER                                                                                                                                                        |
| PINNACLE HOMES<br>8225 W. FLAMINGO RD.<br>SUITE 190<br>LAS VEGAS, NV 89147<br>PH: 702-228-0720<br>CONTACT: FRANK WYATT | SLATER HANIFAN GROUP, INC.<br>5740 S. ARVILLE STREET, SUITE 218<br>LAS VEGAS, NV 89118<br>PH: (702) 284-5300<br>FX: (702) 284-5399<br>CONTACT: TODD J. STEADHAM |

|                                                                                                                                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LEGAL DESCRIPTION                                                                                                                                                                                     |
| THE EAST HALF (E1/2) OF THE SOUTHWEST QUARTER (SW1/4) OF THE SOUTHWEST QUARTER (SE1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 6, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA. |

|                                                                                                                      |
|----------------------------------------------------------------------------------------------------------------------|
| BENCHMARK                                                                                                            |
| BENCHMARK NUMBER: 9LW07N4                                                                                            |
| RIVET AND PLATE IN TOP OF CURB AT SOUTHEAST CORNER OF ALEXANDER RD. AND GRAND CANYON DR. NEAR PC OF GRAND CANYON DR. |
| ELEVATION = 2601.23 FEET, 792.858 METERS<br>N.A.V.D. 88 DATUM                                                        |
| PER CLARK COUNTY BENCHMARK BOOK.                                                                                     |

|                                                                                                                                                                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BASIS OF BEARINGS                                                                                                                                                                                                                                                            |
| NORTH 00°54'51" EAST, BEING THE BEARING OF THE EAST LINE OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 6, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF IN BOOK 152, PAGE 59 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA. |

|                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FEMA FLOOD ZONE INFORMATION                                                                                                                                                                                                                                                                                                      |
| THE PROJECT SITE IS LOCATED WITHIN THE CURRENT FLOOD INSURANCE RATE MAP (FIRM). PANEL MAP 32003C135F; EFFECTIVE DATE: NOVEMBER 16, 2011. THE PROJECT SITE IS LOCATED WITHIN A FEMA DESIGNATED ZONE "X" (UNSHADED). ZONE "X" (UNSHADED) IS DESCRIBED BY FEMA AS AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN. |

|                           |
|---------------------------|
| DEVIATIONS FROM STANDARDS |
| NONE                      |

|                                                                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PRE-DEVELOPMENT NOTE                                                                                                                                                |
| A PRE-DEVELOPMENT MEETING WITH THE DEPARTMENT OF PUBLIC WORKS DEVELOPMENT REVIEW DIVISION, OFF-SITE INSPECTOR IS REQUIRED. PLEASE CONTACT INSPECTOR AT 702-455-4610 |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SWPPP NOTE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| ALL LAND SURFACE AREA DISTURBANCES OVER 1 ACRE REQUIRE A STORMWATER DISCHARGE PERMIT ISSUED BY THE NEVADA DIVISION OF ENVIRONMENTAL PROTECTION (NDEP). A PHASED CONSTRUCTION UNIT IN A CONTIGUOUS SUBDIVISION IS CONSIDERED UNDER CONSTRUCTION UNTIL ALL STRIPPED SURFACE AREAS HAVE BEEN COVERED BY PAVING, BUILDING CONSTRUCTION OR PLANTING. A STORMWATER DISCHARGE PERMIT APPLICATION AND ASSOCIATED INFORMATION MAY BE DOWNLOADED FROM THE WEB SITE: <a href="http://www.state.nv.us/bwpc/storm01.htm">HTTP://WWW.STATE.NV.US/BWPC/STORM01.HTM</a> PROJECTS THAT DISTURB MORE THAN ONE ACRE OF LAND MUST SUBMIT TO NDEP A "NOTICE OF INTENT" FOR INCLUSION UNDER STORMWATER PERMIT NO. NRT00000 ALONG WITH THE APPROPRIATE FILLING FEE. |

|                                          |
|------------------------------------------|
| PROJECT INFORMATION                      |
| ACREAGE (GROSS): = 4.6 AC                |
| ACREAGE (NET): = 3.9 AC                  |
| DENSITY (LOTS/NET ACRE): = 3.1 DU/NET AC |
| ZONING: = R-D                            |
| TOTAL NO. OF RESIDENTIAL LOTS = 12       |
| TOTAL NO. OF COMMON ELEMENTS = 1         |
| MINIMUM LOT SIZE (NET) = 10,895 SF±      |
| MAXIMUM LOT SIZE (NET) = 16,018 SF±      |
| PROVIDED OPEN SPACE = 1,216 SF±          |
| EARTHWORK SUMMARY (UNADJUSTED)           |
| CUT 8,136 C.Y.                           |
| FILL 9,195 C.Y.                          |
| NET 1,059 C.Y. (FILL)                    |

|                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GEOTECHNICAL ENGINEER                                                                                                                                        |
| PREPARED BY: WRIGHT ENGINEERS<br>ADDRESS: 5275 ARVILLE ST SUITE 108 LAS VEGAS, NV 89118<br>PHONE: 702-323-8000<br>PROJECT NO. 170175 DATED: JANUARY 25, 2017 |



SLATER HANIFAN GROUP  
CONSULTING ENGINEERS & PLANNERS  
5740 S. ARVILLE STREET #218, LAS VEGAS, NV 89118  
PHONE (702) 284-5300 FAX (702) 284-5399

CLARK COUNTY, NV

PINNACLE HOMES  
DESERT TRACE  
COVER SHEET

DATE: 10/24/17  
DRAFTER: SS  
DESIGNER: KMB  
CHECKED: TJS  
PROJECT NO.  
PIN1701

PROFESSIONAL ENGINEER  
KEVIN M. BROSS  
Exp. 12/31/2018  
CIVIL  
No. 24572  
11/2/17

C-1  
SHEET 1 OF 17

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CITY OF LAS VEGAS, LATEST EDITION, LATEST REVISION, STANDARD DRAWING FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA, NEVADA", LATEST REVISED EDITION: THE "SUMNERLIN IMPROVEMENT STANDARDS" FOR WORK IN THE SUMNERLIN AREA, AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY, THE UNIFORM BUILDING CODE, AND ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE, EXCEPT AS NOTED ON THIS SHEET AS "DEVIATIONS FROM STANDARDS".
2. THE EXISTENCE AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITY LINES, PIPES, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A RESEARCH OF THE AVAILABLE RECORDS. EXISTING UTILITIES AS SHOWN FROM CLV PLANS LIBRARY ARE APPROPRIATE AND FOR RECORD PURPOSES. EXISTING UTILITIES ARE LOCATED ON PLANS ONLY TO THE EXTENT OF THE RESEARCH. EXISTING UTILITIES SHOWN ON THESE PLANS MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL UNDERGROUND AND OVERHEAD INTERFERENCES WHICH MAY AFFECT HIS OPERATION DURING CONSTRUCTION AND SHALL TAKE ALL NECESSARY PRECAUTIONS AND MEASURES TO AVOID SUCH INTERFERENCES. EXISTING UTILITIES SHALL EXERCISE CAUTION WHEN WORKING NEAR OVERHEAD UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COST AND LIABILITY IN CONNECTION THEREWITH.
3. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITY LINES, STRUCTURES AND STREET IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE. ANY DAMAGE TO SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED SATISFACTORY TO THE CITY ENGINEER AND OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.
4. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS, ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.
5. TYPE V CEMENT SHALL BE USED IN ALL OFF-SITE CONCRETE WORK. CONCRETE TO BE 3000 P.S.I. MINIMUM @ 28 DAYS. MIX DESIGNS TO BE APPROVED BY THE CITY, PRIOR TO THE USE ON THE PROJECT.
6. PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.
7. EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300' IN EXTENDED-TYPE CURB.
8. AS PAVEMENT TO BE ONE-HALF INCH (1/2") ABOVE UP OF ALL GUTTERS AFTER COMPACTION, EXCEPT AT SIDEWALK RAMPS AND CROSS GUTTERS.
9. CURB AND GUTTER FOUND TO BE UNACCEPTABLE TO THE CITY OF LAS VEGAS SHALL BE REMOVED AND REPLACED PER STANDARD DRAWING 216.
10. SIDEWALK RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER STANDARD DRAWING 235. EXACT LOCATION OF RAMPS MAY BE ADJUSTED IN THE FIELD BY THE CITY ENGINEER.
11. CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONCRETE AND EXISTING SURFACE TO PROVIDE FOR PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO NEW CONSTRUCTION. THE EXTENT OF THE TRANSITIONS TO BE AS SHOWN ON PLANS.
12. ALL GRADING WORK SHALL CONFORM TO THE SOILS REPORT AS PREPARED BY WRIGHT ENGINEERS, REPORT #161102, 07/11/2016 APPROVED BY THE CITY ENGINEER, AND AS SHOWN ON THESE PLANS.
13. EXACT LOCATION OF ALL SAWCUT LINES MAY BE ADJUSTED OR DETERMINED IN THE FIELD BY THE CITY OF LAS VEGAS. EXACT LOCATION OF SAWCUT LINES IS NOT CLEARLY SHOWN, OR EXISTING PAVEMENT CONDITION REQUIRES RELOCATIONS.
14. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER AVAILABLE RECORDS IN ACCORDANCE WITH N.E.S. STATUTE NO. 625.380 & CITY OF LAS VEGAS TITLE 18, APPENDIX D.
15. CONTRACTOR MAYETER METER BOXES, MANHOLE LIDS, VALVE COVERS, ETC., SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, DRIVEWAY APRONS, FLOWLINES, AND CROSS GUTTERS UNLESS WRITTEN APPROVAL IS GRANTED BY THE UTILITY COMPANY AND THE CITY ENGINEER.
- WALL NOTES:**
16. ALL WALLS, NEW OR EXISTING, ARE ONLY SHOWN ON CIVIL PLANS FOR THE PURPOSE OF REVIEWING GRADING RELATIONS, FLOOD CONTROL, AND SIGHT DISTANCE AT INTERSECTIONS. NEW WALLS REQUIRE A SEPARATE PERMIT AND INSPECTION BY THE BUILDING DEPARTMENT.
17. ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT WITHIN CITY RIGHT OF WAY.
18. CONTRACTOR SHALL ADJUST ALL NEW AND EXISTING INLETS, VALVE BOXES, MANHOLE DRAINS, AND SEWER CLEANOUTS TO BE AT FINISH GRADE AS APPLICABLE WHETHER OR NOT THEY ARE SHOWN ON THE PLANS.
19. MATERIALS, HANDLING AND PLACEMENT OF PORTLAND CEMENT CONCRETE SHALL BE IN ACCORDANCE WITH APPLICABLE SECTIONS OF DOTD OR THE CLARK COUNTY AREA SPECIFICATIONS (AS APPLICABLE) AND THE PLANS AND DETAILS SHOWN HEREON.
20. WHEN INSTALLING UNDERGROUND FACILITIES THAT REQUIRE UNDERGROUND LOCATING DEVICES SUCH AS MARKER BALLS, LOCATING RIBBON, ETC., THE CONTRACTOR SHALL PROVIDE WHEN OBTAINING PERMITS TO THE CITY OF LAS VEGAS. THE LOCATION SHALL BE DESCRIBED BY COORDINATES WHICH SHALL BE BASED ON THE OFFICIAL HORIZONTAL AND VERTICAL CONTROL NETWORKS OF THE CITY OF LAS VEGAS. FINANCIAL LOCATION MAPS SHALL BE PROVIDED AND CERTIFIED BY A NEVADA PROFESSIONAL LAND SURVEYOR TO HAVE POSITIONAL CERTAINTES OF ±0.09 METERS (±0.3 FEET) HORIZONTALLY AND VERTICALLY. A SEPARATE ELECTRONIC COMMA DELIMITED FILE FOR THE SANITARY SEWER AND STORM DRAIN COORDINATES SHALL ALSO ACCOMPANY THE SANITARY SEWER AND STORM DRAIN FINAL LOCATION MAP(S).
- OR
- ~~SANITARY SEWER AND STORM DRAIN FACILITIES SHOWN ON THESE PLANS SHALL BE USED TO MEET THE REQUIREMENTS OF NRS 455 AND 456 AND TO SHOW AT A MINIMUM THE HORIZONTAL AND VERTICAL COORDINATES OF THE PUBLIC UTILITY SANITARY SEWER MAIN MANHOLES, STORM DRAIN LATERALS, AND THE CONNECTION OF THE SEWER SERVICE LATERALS TO THE SEWER MAIN AND WHERE THE SEWER SERVICE LATERALS EXIT THE PUBLIC RIGHT-OF-WAY. ANY DEVIATIONS FROM THE INFORMATION SHOWN SHALL BE SUBMITTED AS A REVISION TO THE PLANS AND APPROVED PRIOR TO ACCEPTANCE OF FACILITY VIEW INSPECTION.~~
22. CCTV VIDEO INSPECTION IS REQUIRED FOR ALL SEWER AND STORM DRAINS. THE CCTV VIDEO INSPECTIONS NEED TO BE PERFORMED PER THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS LATEST ADDITION.
23. A SEPARATE BORING PERMIT IS REQUIRED FOR ALL BORING ACTIVITIES.

1. NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN APPROVED FOR CONSTRUCTION BY THE LVVMD. FOLLOWING WATER PLAN APPROVAL, NOTICE SHALL BE GIVEN TO THE LVVMD COMMUNICATION SUPPORT CENTER (258-7171) TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION. FOR FUTURE INSPECTIONS, NOTICE MUST BE GIVEN BY 2:00 P.M. THE BUSINESS DAY PRIOR TO THE REQUESTED LVVMD INSPECTION. WHEN REQUESTING INSPECTIONS, PLEASE REFER TO THE PROJECT # IDENTIFIED ABOVE.
2. ALL WORK SHALL CONFORM TO LVVMD STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS, AND TO THE 2010 EDITION OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS). THE LATEST EDITION OF UDACS SHALL SUPERSEDE ANY CONFLICTS CONTAINED IN THE APPROVED DRAWINGS AND/OR SPECIFICATIONS.
3. ALL WORK, EXCEPT AS MODIFIED BY THESE PLANS OR BY NOTE 2 ABOVE, SHALL BE DONE IN ACCORDANCE WITH THE MOST RECENT DRAFT OR EDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFSITE IMPROVEMENT, CLARK COUNTY AREA.
4. A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVVMD.
5. ALL SERVICE LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE TYPE K COPPER TUBING WITH LVVMD APPROVED SERVICE SADDLES.
6. ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
7. ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CURB GUTTERS.
8. ALL WATER AND STORM DRAIN OR SANITARY SEWER CROSSINGS SHALL CONFORM TO SECTION 2.22 OF THE 2010 EDITION OF THE UDACS.
9. ALL WATER FACILITIES SHALL BE FILLED, DISINFECTED, PRESSURE TESTED, FLUSHED, FILLED, AND AN ACCEPTABLE WATER SAMPLE OBTAINED PRIOR TO CONNECTION TO THE LVVMD DISTRIBUTION SYSTEM.
10. THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2) INCHES AND SMALLER FROM LVVMD CENTRAL STORES. TELEPHONE 258-3152 OR 258-3802. TWO (2) WORKING DAYS PRIOR TO METER PICKUP.
11. ANY INTERRUPTION OF SERVICE MUST BE PERFORMED IN ACCORDANCE WITH UDACS SECTION 3.14.01, AND APPROVED BY THE LVVMD INSPECTION DIVISION PRIOR TO SHUTDOWN. PROPER WRITTEN NOTIFICATION MUST BE GIVEN TO ALL AFFECTED CUSTOMERS.
12. ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE AS LISTED ON THE LVVMD PRE-APPROVED MATERIALS AND MANUFACTURER'S LITERALS FOR NEW FACILITIES. LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS.
13. TELEPHONE "CALL BEFORE YOU DIG" AT "811" OR 1-800-227-2600.

TO COMPLY WITH THE FEDERAL SAFE DRINKING WATER ACT, ALL WATER WORKS BRASS PRODUCTS PROPOSED TO BE RELOCATED, OR INSTALLED AS NEW MUST BE INSTALLED WITH THE LEAD FREE APPROVED PRODUCT. THE OLD LEAD-CONTAINING PRODUCT MAY NOT BE USED.

1. INDICATED GRADING OTHER THAN T.C., F.G. & GUTTER F.L. ARE ROUGH GRADDES.
2. ROUGH GRADING PLANS SHALL BE ON THE JOB SITE AT ALL TIMES. THE ROUGH GRADING SHALL BE FINISHED IN CONFORMANCE WITH THE LINES AND GRADDES SHOWN ON THE PLANS. THE GRADING QUANTITIES ARE BASED ON THE ELEVATION AND DETAILS SHOWN ON THE PLANS. ANY DEVIATIONS FROM THE PLANS WILL RESULT IN QUANTITY CHANGES.
3. CARE SHALL BE EXERCISED IN GRADING CORNER LOTS.
4. ROUGH PAD ELEVATIONS SHALL BE GRADED TO WITHIN 0.1' OF THE PAD ELEVATIONS SHOWN ON THE PLANS. WHEN GRADING IS COMPLETE PER THE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE LOTS CAN BE INSPECTED. AT THAT TIME THE ENGINEER SHALL ALSO DECIDE IF ANY ADDITIONAL DITCHES OR BERMS ARE REQUIRED. THE CONTRACTOR IS REQUESTED NOT TO REMOVE ANY OF HIS ROUGH GRADING EQUIPMENT UNTIL HE RECEIVES GRADING APPROVAL FROM THE ENGINEER.
5. SOILS REPORT PREPARED BY WRIGHT ENGINEERS, PROJECT NO. 170175, DATED JANUARY 25, 2017.
6. EARTHWORK QUANTITIES (RAW):
  - CUT = 8,136 CUBIC YARDS.
  - FILL = 9,195 CUBIC YARDS.
  - NET = 1,059 CUBIC YARDS.
- A) THE ABOVE QUANTITIES DO NOT REFLECT LOSSES DUE TO SUBSIDENCE OR SHRINKAGE.
- B) THE ABOVE QUANTITIES DO REFLECT USING NATIVE MATERIAL IN LIEU OF TYPE 1 GRAVEL BASE MATERIAL FOR STREET CONSTRUCTIONS.
- C) THE ABOVE QUANTITIES DO NOT REFLECT ANY EARTHWORK WHICH MAY BE REQUIRED BY THE ENGINEER TO CONSTRUCT ADDITIONAL PROTECTIVE DITCHES OR BERMS NOT SHOWN ON THESE DRAWINGS.

1. ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE IN PLACE AND IN FINAL POSITION PRIOR TO ALLOWING ANY PUBLIC TRAFFIC onto the PORTIONS of the ROAD(S) BEING IMPROVED HEREUNDER, REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFF-SITE IMPROVEMENTS CALLED FOR BY THESE PLANS.
2. BEFORE ANY WORK IS STARTED IN THE RIGHT-OF-WAY, THE CONTRACTOR SHALL INSTALL ALL ADVANCE WARNING SIGNS FOR THE CONSTRUCTION ZONE. THE CONTRACTOR SHALL INSTALL TEMPORARY CONE STOP SIGNS AT ALL NEW STREET ENCROACHMENTS INTO EXISTING COUNTY STREETS IMMEDIATELY AFTER FIRST GRADING WORK IS ACCOMPLISHED AND SHALL MAINTAIN SAID SIGNS UNTIL PERMANENT SIGNS ARE INSTALLED.
3. ALL CONSTRUCTION SIGNING, BARRICADING AND PAVEMENT MARKINGS SHALL CONFORM TO THE NEVADA WORK ZONE TRAFFIC CONTROL HANDBOOK ~ 1986 AND TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION.
4. IF ANY IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY OBSTRUCTION, TEMPORARY REMOVAL, OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKING, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE COUNTY TRAFFIC MANAGER.
5. THE DEVELOPER SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL PERMANENT SIGNS SHOWN ON THE PLANS. STREET NAME SIGNS SHALL CONFORM IN THEIR ENTIRETY TO CLARK COUNTY AREA STANDARDS. ALL OTHER SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL SIGNPOSTS SHALL BE INSTALLED IN ACCORDANCE WITH CLARK COUNTY AREA STANDARDS. ALL SIGNS SHALL USE CLASS W SHEETING.
6. IF A PROPOSED STREET LIGHT STANDARD IS FIELD LOCATED TO WITHIN FIVE (5) FEET OF ANY SIGN SHOWN HEREON TO BE MOUNTED ON A SIGN POST, CHANGE SIGN MOUNTING TO ONE ON THE STREETLIGHT STANDARD.
7. PRIOR TO CONSTRUCTION, THE SIGN POST CONTRACTOR SHALL OBTAIN STREET NAMES AND BLOCK NUMBERING FROM THE CURRENT PLANNING DIVISION OF THE DEPARTMENT OF COMPREHENSIVE PLANNING.
8. ALL TRAFFIC SIGNAL POLE ASSEMBLIES, STEEL PEDESTAL FOR CABINETS AND TRAFFIC LIGHT POLES SHALL BE GALVANIZED PER ASTM A123.
9. ALL STREET LIGHTING INSTALLATIONS EXCEPT NOTED ON THE STREET LIGHTING PLANS SHALL CONFORM TO THE UNIFORM STANDARD DRAWINGS AND THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS: CONSTRUCTION OFF-SITE IMPROVEMENTS CLARK COUNTY AREA, NEVADA, LATEST EDITION OF EACH EXCEPT AS NOTED ON THE STREET LIGHTING PLANS AND LED LUMINAIRES. REFER TO CLARK COUNTY PUBLIC WORKS QUALIFIED PRODUCTS LIST "QPL" FOR LED LUMINAIRES. QPL CAN BE FOUND ONLINE AT [HTTP://WWW.CLARKCOUNTYNV.GOV/PUBLICWORKS/PAGES/default.aspx](http://www.clarkcountynv.gov/publicworks/PAGES/default.aspx)
10. THE FOLLOWING CLARK COUNTY UNDERGROUND FACILITIES MAY BE LOCATED IN YOUR PROJECT AREA: STREET LIGHTING, TRAFFIC SIGNALS, AND FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION (F.A.S.T.). INTERCONNECT CABLE. YOU MUST CONTACT CLARK COUNTY TRAFFIC MANAGEMENT DIVISION, OPERATIONS UNIT FOR LOCATIONS AT LEAST 48 HOURS PRIOR TO WORKING IN THE AREA. CLARK COUNTY IS NOT A MEMBER OF "CALL BEFORE YOU DIG" (UNDERGROUND SERVICE ALERT), AND A CALL TO THAT ORGANIZATION DOES NOT RELIEVE YOU OF LIABILITY FOR CLARK COUNTY FACILITIES.

1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE CLARK COUNTY FIRE CODE AS AMENDED, AND THE 2007 EDITION OF NATIONAL FIRE PROTECTION ASSOCIATION PAMPHLET #24.
2. FIRE HYDRANTS AND WATER SUPPLIES FOR FIRE PROTECTION SHALL BE AND MADE SERVICEABLE PRIOR TO AND DURING THE TIME OF CONSTRUCTION IN ACCORDANCE WITH SECTION 1412 OF THE CLARK COUNTY FIRE CODE, AS AMENDED.
3. IF DURING CONSTRUCTION IT BECOMES NECESSARY TO CLOSE ANY CONTROL VALVE OR PLACE A HYDRANT OUT OF SERVICE, APPROVAL SHALL BE OBTAINED FROM THE FIRE DEPARTMENT PRIOR TO PLACING THE HYDRANT OUT OF SERVICE.
4. PAINTING OF CURBS AND/OR STRIPING OF ASPHALT AREAS AND PROTECTION OF HYDRANTS FROM PHYSICAL INJURY SHALL BE PER THE FIRE HYDRANT INSTALLATION SPECIFICATIONS OF THE FIRE PREVENTION DIVISION.
5. NO FIRE HYDRANT SHALL BE LOCATED WITHIN 25 FEET OF ANY STRUCTURE, OR 6 FEET OF A DRIVEWAY, POWER POLE, LIGHT STANDARD, OR ANY OTHER OBSTRUCTION. FOR WALL, FENCE AND PLANTER LOCATIONS, A PERIMETER AROUND THE HYDRANT MEASURING A MINIMUM OF 3 FEET FROM ITS EXTERIOR SHALL BE MAINTAINED CLEAR OF ALL OBSTRUCTION AT ALL TIMES.
6. FIRE APPARATUS ACCESS ROADS SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF FIRE APPARATUS, WITH A MINIMUM VEHICLE LOAD OF 33,000 POUNDS PER AXLE, AND SHALL BE SURFACED AND PAVED SO AS TO PROVIDE ALL-WEATHER DRIVING CAPABILITIES.  
  
EXCEPTION: TEMPORARY ACCESS ROADS SERVING ONLY BUILDINGS UNDER CONSTRUCTION SHALL NOT BE REQUIRED TO BE PAVED, BUT SHALL COMPLY WITH ALL OTHER REQUIREMENTS OF SECTION 503.2.3 OF THE CLARK COUNTY FIRE CODE.
7. PRIOR TO ACCEPTANCE OF ANY FIRE SERVICE MAIN, A SATISFACTORY HYDROSTATIC TEST WITH PIPING JOINTS UNCOVERED MUST BE CONDUCTED. APPROVED PLANS, AN INSTALLATION PERMIT AND A CONTRACTOR'S MATERIALS AND TEST CERTIFICATE MUST BE PROVIDED AT THE TIME OF INSPECTION. SCHEDULED INSPECTION AT [WWW.CLARKCOUNTYTN.GOV/DEVELOPMENT/SERVICES/FIREPREVENTION](http://WWW.CLARKCOUNTYTN.GOV/DEVELOPMENT/SERVICES/FIREPREVENTION).
8. FIRE HYDRANTS SHALL BE LOCATED 4" TO 7" FROM BACK OF CURB AND A MINIMUM OF 6 FEET AWAY FROM TURNS.
9. BLUE REFLECTIVE MARKERS MUST BE INSTALLED BEFORE FINAL HYDRANT ACCEPTANCE CAN BE ATTAINED (SECTION C107 OF THE CLARK COUNTY FIRE CODE, AS AMENDED)
10. HYDRANTS THAT ARE PROPOSED FOR INSTALLATION IN PUBLIC WATER SYSTEMS SHALL BE IN ACCORDANCE WITH APPROVED FIRE HYDRANTS AS ALLOWED BY THE WATER PURVEYOR. HYDRANTS PROPOSED FOR INSTALLATION ON PRIVATE WATER SYSTEMS SHALL BE IN ACCORDANCE WITH APPROVED FIRE HYDRANTS AS ALLOWED BY THE FIRE DEPARTMENT.

1. IN THE EVENT OF NATURAL GAS EMERGENCIES CALL 911 AND 1-877-860-6020
2. THERE SHALL BE A MINIMUM HORIZONTAL AND VERTICAL CLEARANCE OF 12-INCHES BETWEEN NATURAL GAS FACILITIES AND ANY UNDERGROUND FACILITIES AND/OR STRUCTURES, INCLUDING BUT NOT LIMITED TO WATER, SEWER, STORM DRAIN, COMMUNICATIONS, AND ELECTRIC
3. FOR VALVE ADJUSTMENT CONTACT 702-668-6107 48 HOURS PRIOR TO CONSTRUCTION.
4. IN THE EVENT OF NATURAL GAS CONFLICT WITH PROPOSED UTILITIES AND/OR STRUCTURES CONTACT 702-365-2099

CAUTION: HIGH PRESSURE GAS

CALL SOUTHWEST GAS AT 702-400-1789 FOR STANDBY WHEN EXCAVATING OVER OR NEAR HIGH PRESSURE GAS LINES 48 HOURS PRIOR TO CONSTRUCTION

1. CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITION BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND OF INGRESS AND EGRESS TO SAID CONSTRUCTION. EXTENT OF TRANSITIONS TO BE DETERMINED BY THE COUNTY ENGINEER.
2. EXISTING UTILITIES ARE LOCATED ON PLANS FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. THE CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR THE PROTECTION OF UTILITIES AND THE ENGINEER BEAR NO RESPONSIBILITY FOR UTILITIES NOT SHOWN ON PLANS OR NOT IN THE LOCATION SHOWN ON THE PLANS. (CALL BEFORE YOU DIG 800-227-2600).
3. CONSTRUCTION SURVEY: GRADES ARE GIVEN FROM TOP OF STAKES OR NAILS. THE CONTRACTORS ARE CAUTIONED TO OBSERVE THE FOLLOWING RULES IN USING THE GRADE STAKES GIVEN BY THIS OFFICE. THREE CONSECUTIVE POINTS THAT ARE SHOWN TO BE ON THE SAME RATE OF SLOPE MUST BE USED IN COMMON IN ORDER THAT ANY VARIATION OUT OF A PERFECT STRAIGHT GRADE MAY BE DETECTED. IN CASE ANY SUCH DISCREPANCY IS FOUND, THE SAME MUST BE REPORTED OTHERWISE THIS OFFICE WILL NOT BE RESPONSIBLE FOR ANY ERROR IN THE GRADE OF THE FINISH WORK.
4. NEITHER THE OWNER NOR ENGINEER ASSUMES ANY RESPONSIBILITY FOR UTILITIES OR STRUCTURES NOT SHOWN ON THE DRAWINGS. CONTRACTOR TO VERIFY THE EXACT LOCATION OF UTILITIES PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR'S DESIGN SHALL BE REPAIRED OR RECONSTRUCTED TO THE SATISFACTION OF SECTION 107.17 OF THE UNIFORM STANDARD SPECIFICATIONS FOR CLARK COUNTY AREA, NEVADA AND AS PROVIDED IN THE SPECIFICATIONS. THE CONTRACTOR SHALL USE EXTREME CARE WORKING OVER OR NEAR ANY EXISTING GAS MAINS.
5. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS, WHICH ARE TO REMAIN IN PLACE FROM DAMAGE. ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S DESIGN SHALL BE REPAIRED OR RECONSTRUCTED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
6. FENCES, SIGNS, STRUCTURES, LIGHTS AND OTHER EXISTING IMPROVEMENTS WITHIN STREET R/W SHALL BE REMOVED WHERE SHOWN ON THE CONTRACT DRAWINGS, AND AS REQUIRED BY THE ENGINEER.
7. REPLACEMENT, RELOCATION OR RECONSTRUCTION OF ALL EXISTING IMPROVEMENTS INCLUDING FENCES, WALL SIGNS, AND ALL OTHER ITEMS APPLICABLE TO THIS CONTRACT SHALL BE AS REQUIRED BY THE ENGINEER.
8. THE CONTRACTOR SHALL BACKFILL AND FINAL GRADE ALL CUT OR FILL SLOPES TO MATCH EXISTING CONDITION TO THE SATISFACTION OF THE ENGINEER.
9. 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".
10. 48 HOURS PRIOR TO START OF CONSTRUCTION THE CONTRACTOR SHALL CONTACT:  
NV ENERGY PHONE - (702) 402-8400  
CENTURYLINK TELEPHONE COMPANY PHONE - (702) 244-7055  
SOUTHWEST GAS CORPORATION PHONE - (702) 400-1789  
LAS VEGAS VALLEY WATER DISTRICT PHONE - (702) 870-2011
11. PRIVATE STREETS, CURB & GUTTER AND VALLEY GUTTERS REFLECTED ON THESE PLANS ARE TO BE INSPECTED BY A CLARK COUNTY INSPECTOR.
12. WHEELCHAIR RAMPS SHALL BE CONSTRUCTED AT ALL STREET INTERSECTIONS PER CLARK COUNTY STANDARD DRAWING 235 EXCEPT LOCATION OF RAMP TO BE DETERMINED IN FIELD BY A CLARK COUNTY INSPECTOR.
13. STANDARD STREET SECTIONS PER CLARK COUNTY STANDARD DRAWINGS UNLESS OTHERWISE NOTED.
14. CURB AND GUTTER WITH A GRADE OF LESS THAN FOUR TENTHS OF ONE PERCENT SHALL BE CONSTRUCTED BY FORMING. EACH JOINT SHALL BE CHECKED FOR GRADE PRIOR TO CONSTRUCTION AND WATER TESTED AS SOON AS POSSIBLE AFTER CONSTRUCTION.
15. VALLEY GUTTER WITH A GRADE OF FOUR TENTHS OF ONE PERCENT OR LESS SHALL BE CHECKED FOR GRADE PRIOR TO CONSTRUCTION AND WATER TESTED AS SOON AS POSSIBLE AFTER CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE PROPER DRAINAGE ACROSS ALL VALLEY GUTTERS.
16. ALL BARRICADING AND TEMPORARY TRAFFIC CONTROL DEVICES OR METHODS USED DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES OF THE STATE OF NEVADA, DEPARTMENT OF TRANSPORTATION, EXCEPT AS OTHERWISE PROVIDED IN THE CONTRACT DRAWINGS.
17. ALL GRADING SHALL BE IN ACCORDANCE WITH THE SPECIFICATION MANUAL AND THE SOILS REPORT AS PREPARED BY MIGHT ENGINEERS WHERE CONFLICTS OCCUR THE MOST RESTRICTIVE SHALL GOVERN.
18. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, ALLOCATE ALL OVERHEAD AND UNDERGROUND INTERFERENCES WHICH MAY AFFECT HIS OPERATION DURING CONSTRUCTION AND SHALL TAKE ALL NECESSARY PRECAUTIONS AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD LINES AND FACILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF HIS PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COSTS AND LIABILITY IN CONNECTION THEREWITH.
19. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS, ANY ALTERATIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE ENGINEER.
20. THE CONTRACTOR SHALL APPLY FOG SEAL ONLY AFTER ALL CORRECTIONS AND ADJUSTMENTS HAVE BEEN MADE.
21. THE CONTRACTOR SHALL NOT BACKFILL ANY TRENCHES IN WHICH WATERLINES HAVE BEEN UNCOVERED UNTIL WATERLINES HAVE BEEN INSPECTED BY THE LAS VEGAS VALLEY WATER DISTRICT.
22. UTILITY COMPANY WATER MAINS, MANHOLE LIDS, VALVE COVERS, ETC. SHALL BE LOCATED OUT OF DRIVEWAYS DURING CONSTRUCTION. REPAIRS, FLOWLINES, AND VALLEY GUTTERS UNLESS WRITTEN APPROVAL IS GRANTED BY THE UTILITY COMPANY.
23. TYPE V CEMENT SHALL BE USED IN ALL CONCRETE WORK.
24. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS. MONUMENTS DISOBTAINED SHALL BE REPLACED AND ADJUSTED PER AVAILABLE RECORDS IN ACCORDANCE WITH N.R.S. STATUTE NO. 625.550.

1. INSPECTIONS ARE REQUIRED. CALL 24 HOURS IN ADVANCE. 455-4610. YOUR PERMIT, APPROVED PLANS, AND BARRICADE PLANS FOR THIS WORK MUST BE ON THE JOB SITE AT ALL TIMES.
2. EXACT LOCATION OF ALL SAW-CUT UNES SHALL BE DETERMINED IN THE FIELD BY A CLARK COUNTY INSPECTOR.
3. CURB AND GUTTER WITH A GRADE OF LESS THAN 4/10 OF ONE PERCENT SHALL BE CONSTRUCTED BY CURB AND GUTTER JOINT SHALL BE CHECKED FOR GRADE PRIOR TO CONSTRUCTION AND WATER TESTED AS SOON AS POSSIBLE AFTER CONSTRUCTION.
4. FINAL ASPHALTIC CONCRETE (AC) PAVEMENT SURFACES SHALL BE ONE-HALF (1/2") INCH ABOVE THE LIP OF THE CURB (MULDING OPEN GRADE).
5. ALL OFF-SITE IMPROVEMENT CONSTRUCTION SHALL CONFORM TO THE UNIFORM STANDARD SPECIFICATIONS AND STANDARD DRAWINGS CLARK COUNTY AREA REPAIRS AND CLARK COUNTY SUPPLEMENT TO UNIFORM STANDARD DRAWINGS AND SPECIFICATIONS, LATEST REVISION FOR LUMINAIRES. REFER TO CLARK COUNTY PUBLIC WORKS QUALIFIED PRODUCTS LIST "QPL" FOR LED LUMINAIRES. QPL CAN BE FOUND ONLINE AT [WWW.CLARKCOUNTYGA.PUBLICWORKS/PAGES/DEFAULT.ASPX](http://WWW.CLARKCOUNTYGA.PUBLICWORKS/PAGES/DEFAULT.ASPX).
6. PRIVATE STREETS, CURB & GUTTER AND VALLEY GUTTERS (WHICH HAVE THESE PLANS ARE TO BE INSPECTED BY A CLARK COUNTY INSPECTOR.
7. WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER STANDARD DRAWING 235. EXACT LOCATION OF RAMPS SHALL BE DETERMINED IN THE FIELD BY A CLARK COUNTY INSPECTOR.
8. PROPER SIGNS, BARRIERS, BARRICADES AND LIGHTS SHALL BE PLACED AND MAINTAINED IN ACCORDANCE WITH THE LATEST "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", TRAFFIC, SCHOOL, OR STREET SIGNS OF ANY KIND ARE NOT TO BE MOVED FOR ANY REASON WITHOUT FIRST CONSULTING AND WITH THE DEPARTMENT OF PUBLIC WORKS OFF-SITE INSPECTOR AT 702-455-4610.
9. THIS PLAN DOES NOT AUTHORIZE CLOSURE OF ANY ROAD OR STREET.
10. NO OPEN TRENCH SHALL BE ALLOWED ACROSS ANY STREET OR WITHIN TEN (10') OF ANY TRAVEL-WAY, EXCEPT WHEN WORK IS IN ACTUAL PROGRESS. AREAS COVERED BY ACCEPTED STEEL PLATE ARE NOT TO BE OPEN AS LONG AS THE TRENCH IS DEEPER IN EXCESS OF 500 FEET OR LENGTH NECESSARY TO ACCOMMODATE PIPE INSTALLATION IN A SINGLE DAY, WHICHEVER IS GREATER. ALL TRENCH CROSSINGS AND BACKFILL SHALL MEET THE STANDARD SPECIFICATION UNLESS OTHERWISE STATED.
11. A TEMPORARY PATCH IS TO BE IN PLACE AT THE END OF EACH WORK DAY UNTIL THE BACKFILL IN THE TRENCH IS GREEN COLORED. THE PATCH SHALL BE PREPARED THE WORK AREA BACK TO TRAFFIC IS TO BE MAINTAINED BY THE PERMITTEE. A PERMANENT PATCH IS TO BE IN PLACE WITHIN 300 (300) DAYS AFTER THE INSTALLATION OF THE TEMPORARY PATCH.
12. COMPACTION TESTS ARE REQUIRED.

THE OWNER, SITE DEVELOPER, CONTRACTOR, AND/OR THEIR AUTHORIZED AGENTS SHALL EACH DAY REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, OR OTHER POTENTIAL POLLUTANTS THAT MAY HAVE BEEN DISCHARGED TO, OR ACCUMULATED IN, THE PUBLIC RIGHTS OF WAY OF CLARK COUNTY AS A RESULT OF CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THIS PROJECT, SUCH MATERIALS SHALL BE PREVENTED FROM ENTERING THE STORM SEWER SYSTEM.

2. ADDITIONAL CONSTRUCTION SITE DISCHARGE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF THE OWNER AND HIS OR HER AGENTS DUE TO UNFORESEEN EROSION PROBLEMS OR IF THE SUBMITTED PLAN DOES NOT MEET THE PERFORMANCE STANDARDS SPECIFIED IN CLARK COUNTY TITLE 24.40 AND THE LAS VEGAS VALLEY CONSTRUCTION SITE BMP GUIDANCE MANUAL.

3. TEMPORARY OR PERMANENT STABILIZATION PRACTICES WILL BE INSTALLED ON DISTURBED AREAS AS SOON AS FEASIBLE AND NO LATER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. SOME EXCEPTIONS MAY APPLY; REFER TO THE NEVADA STORMWATER GERMEN PLAN FOR CONSTRUCTION ACTIVITY NR1000000, SECTION II.A.5.

4. AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL INSPECT ALL DISTURBED AREAS, AREAS USED FOR STORAGE OF MATERIALS AND EQUIPMENT THAT ARE EXPOSED TO PRECIPITATION, VEHICLES AND EQUIPMENT THAT ARE NOT COVERED OR PROTECTED BY A COVER, FOR 24 HOURS AFTER ANY RAIN EVENT OF 0.5 INCHES OR MORE. THE CONTRACTOR OR HIS AGENT SHALL UPDATE OR MODIFY THE STORMWATER POLLUTION PREVENTION PLAN AS NECESSARY. SOME EXCEPTIONS TO WEEKLY INSPECTIONS MAY APPLY, SUCH AS SUSPENSION OF LAND DISTURBANCE ACTIVITIES; REFER TO THE NEVADA STORMWATER GERMEN PLAN FOR CONSTRUCTION ACTIVITY NR1000000, SECTION II.A.12.

5. ACCUMULATED SEDIMENT IN BMP'S SHALL BE REMOVED WITHIN SEVEN DAYS AFTER A STORMWATER POLLUTION PREVENTION PLAN HAS BEEN DEVELOPED. IF THE CAPACITY OF THE BMP'S EQUIPMENT MUST BE REMOVED WHEN BMP DESIGN CAPACITY HAS BEEN REDUCED BY 50 PERCENT OR MORE.

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS AND THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, AS AMENDED. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BE AWARE OF THE CONTENTS OF THE ABOVE SPECIFICATIONS.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM CONSTRUCTION AS PER PLANS, CONDITIONS, DELETIONS, OR CHANGES SHALL FIRST MEET WITH THE APPROVAL OF THE CITY ENGINEER.
3. CHSEL "S" OR "G" IN CURBS WHERE SEWER OR GAS LATERALS PASS UNDER THE CURB.
4. POLY(VINYL PVC) SEWER PIPE SHALL MEET ASTM D-3034 SD-35 SPECIFICATIONS, INSTALLED WITH SANDING BEDDING AND BACKFILL OF TYPE II AGGREGATE BASE.
5. ALL MANHOLES PAVED IN STREETS 60" (FOOT) R/W AND LARGER SHALL HAVE RETROFIT CONCRETE COLLARS. STREET MANHOLES SHALL BE CONCRETE AND SHALL REQUIRE RETROFIT PAVING DOES NOT CONFORM TO CITY STANDARDS AT THE MANHOLE.
6. TEE SADDLES SHALL BE USED TO CONNECT SEWER LATERALS TO EXISTING MAIN LINES UP TO TWELVE INCH (12") DIAMETER. CONNECTIONS TO FIFTEEN INCH (15") OR LARGER MAINS SHALL REQUIRE SPECIAL PROCEDURES. IN LINE "Y" SHALL BE USED ON LINES TWELVE INCHES (12") OR ABOVE.
7. WATER MAINS SHALL BE PROTECTED IN ACCORDANCE WITH LVWMD STANDARDS WHENEVER A SEWER MAIN CROSSES OVER A WATER MAIN OR THE SEWER IS LESS THAN EIGHTEEN INCH (18") UNDER A WATER MAIN.
8. ALL CONTRACTORS INSTALLING SEWER MAINS THAT WILL BE UNDER THE JURISDICTION OF THE CITY OF LAS VEGAS MUST BE STATE OF NEVADA CLASS "A" CONTRACTORS.
9. THE CITY OF LAS VEGAS WILL NOT ACCEPT ANY SEWER MAINS WHICH HAVE A VERTICAL DEFLECTION OF MORE THAN ONE TENTH (0.1) OF A FOOT FROM THE APPROVED CONSTRUCTION RECORD AT ANY LOCATION. SEWER MAINS FOUND TO EXCEED THIS TOLERANCE WILL HAVE TO BE REMOVED OR REPAIRED OR REPLACED TO THE SATISFACTION OF THE CITY ENGINEER PER ACCEPTANCE BY THE CITY OF LAS VEGAS.
10. INSTALLATION OF CURVED SEWER REQUIRES THE USE OF C-900 PIPE WHICH ALLOWS FOR PIPE DEFLECTION AT THE JOINTS.

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

DATE \_\_\_\_\_ PROJECT No. \_\_\_\_\_  
LVVWD APPROVED FIRE FLOW 2,000 GPM AT 20 PSI RESIDUAL

PINNACLE HOMES  
DESERT TRACE  
GENERAL NOTES

**C-2**  
SHEET 2 OF 17

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## ABBREVIATIONS

|             |                                                           |            |                                       |           |                                           |
|-------------|-----------------------------------------------------------|------------|---------------------------------------|-----------|-------------------------------------------|
| AC          | ASPHALTIC CONCRETE OR ACRE                                | FT         | FEET OR FOOT                          | PVI       | POINT OF VERTICAL INTERSECTION            |
| AGG         | AGGREGATE BASE                                            | FUT        | FUTURE                                | QTY       | QUANTITY                                  |
| APN         | ASSESSORS PARCEL NUMBER                                   | GRD        | GRADE OR GROUND                       | R         | RADIUS                                    |
| APPROX OR ~ | APPROXIMATE                                               | GB         | GRADE BREAK OR GRADE CHANGE           | RCA       | REINFORCED CONCRETE ARCH                  |
| AVE         | AVENUE                                                    | GV         | GATE VALVE                            | RCB       | REINFORCED CONCRETE BOX                   |
| ®           | AT                                                        | HDPE       | HIGH DENSITY POLYETHYLENE             | RCP       | REINFORCED CONCRETE PIPE                  |
| BC          | BEGIN CURVE OR BACK OF CURB                               | HOA        | HOME OWNERS ASSOCIATION               | RD        | ROADWAY EASEMENT                          |
| BOR         | BEGINNING OF CURB RETURN                                  | HORIZ      | HORIZONTAL                            | REQD      | REQUIRED                                  |
| BHW         | BOTTOM OF HEADWALL                                        | HP         | HIGH POINT                            | REV       | REVISION                                  |
| BLDG        | BUILDING                                                  | HWSL       | HIGH WATER LEVEL                      | RG        | ROUGH GRADE                               |
| BLVD        | BOULEVARD                                                 | HDWL OR HW | HEADWALL                              | RT OR R   | RIGHT                                     |
| BM          | BENCHMARK                                                 | HYD        | HYDRAULIC OR HYDRANT                  | R/W, ROW  | RIGHT OF WAY                              |
| BVC         | BEGIN VERTICAL CURVE                                      | ID         | INSIDE DIAMETER                       | S         | SLOPE                                     |
| BWV         | BACK WATER VALVE                                          | IN         | INCH                                  | SCH       | SCHEDULE                                  |
| CC          | CLARK COUNTY                                              | INT        | INTERSECTION                          | SD        | STORM DRAIN                               |
| CCAUSD      | CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS               | INV        | INVERT ELEVATION                      | SODI      | STORM DRAIN DROP INLET                    |
| CCPW        | CLARK COUNTY PUBLIC WORKS                                 | P          | IRON PIPE                             | SDMH      | STORM DRAIN MANHOLE                       |
| CORFCD      | CLARK COUNTY REGIONAL FLOOD DISTRICT                      | IRRG       | IRRIGATION                            | SEC       | SECTION                                   |
| CCWRD       | CLARK COUNTY WATER RECLAMATION DISTRICT                   | LF         | LINEAR FEET                           | SF        | SQUARE FEET                               |
| CE          | COMMON ELEMENT                                            | LP         | LOW POINT                             | SHT       | SHEET                                     |
| CLC/LC      | CENTERLINE                                                | LT OR L    | LEFT                                  | SNWA      | SOUTHERN NEVADA WATER AUTHORITY           |
| CLR         | CLEAR OR CLEARANCE                                        | LVWD       | LAS VEGAS VALLEY WATER DISTRICT       | SPECS     | SPECIFICATIONS                            |
| CLSM        | CONTROLLED LOW STRENGTH MATERIAL                          | LWL        | LOW WATER LEVEL                       | ST        | STREET                                    |
| CML&C       | CEMENT MORTAR LINED AND COATED                            | MAX        | MAXIMUM                               | STA       | STATION                                   |
| CMU         | CONCRETE MASONRY UNIT                                     | MECH       | MECHANICAL                            | STD       | STANDARD                                  |
| CONC        | CONCRETE                                                  | MH         | MANHOLE                               | STL       | STEEL OR STREET LIGHT                     |
| CT          | COURT                                                     | MIN        | MINIMUM                               | SW        | SIDEWALK                                  |
| CY OR CU YD | CUBIC YARD                                                | MISC       | MISCELLANEOUS                         | SWG       | SOUTHWEST GAS                             |
| DCWSCS      | DESIGN AND CONSTRUCTION FOR WASTEWATER COLLECTION SYSTEMS | MUE        | MUNICIPAL UTILITY EASEMENT            | SWR OR SS | SANITARY SEWER                            |
| DET         | DETAIL                                                    | NDOT       | NEVADA DEPARTMENT OF TRANSPORTATION   | SY        | SQUARE YARD                               |
| DI          | DUCTILE IRON OR DRAIN INLET                               | NPC        | NEVADA POWER COMPANY                  | TAN       | TANGENT                                   |
| DIA, Ø      | DIAMETER                                                  | NYS        | NOT TO SCALE                          | TC        | TOP OF CURB                               |
| DIP         | DUCTILE IRON PIPE                                         | NUE        | NONEXCLUSIVE UTILITY EASEMENT         | TF        | TOP OF FLOOR OR TOP OF FOOTING            |
| DR          | DRIVE                                                     | OC         | ON CENTER                             | TH        | TOP OF GRADE                              |
| DWG(S)      | DRAWING                                                   | OD         | OUTSIDE DIAMETER OR OVERALL DIMENSION | THRU      | THROUGH                                   |
| DWY         | DRIVEWAY                                                  | OFT        | OFFSET                                | THW       | TOP OF HEADWALL                           |
| EA          | EACH                                                      | ORIG       | ORIGINAL                              | TP        | TOP OF PIPE                               |
| EG          | END CURB RETURN                                           | PAE        | PUBLIC OR PEDESTRIAN ACCESS EASEMENT  | TPW       | TOP OF WALL                               |
| EL          | ELEVATION                                                 | PB         | PULL BOX                              | TSW       | TOP OF RETAINING WALL                     |
| ESMT        | EASEMENT                                                  | PC         | POINT OF CURVE                        | TYP       | TYPICAL                                   |
| EP          | EDGE OF PAVEMENT                                          | PCC        | POINT OF COMPOUND CURVE               | UDACS     | UNIFORM DESIGN AND CONSTRUCTION STANDARDS |
| ERU         | EQUIVALENT RESIDENTIAL UNIT                               | PDE        | PUBLIC DRAINAGE EASEMENT              | VC        | VERTICAL CURVE                            |
| EVC         | END VERTICAL CURVE                                        | PL         | PROPERTY LINE                         | VERT      | VERTICAL                                  |
| EX OR EXIST | EXISTING                                                  | POB        | POINT OF BEGINNING                    | VG        | VALLEY GUTTER                             |
| FC          | FACE OF CURB                                              | POC        | POINT OF CURVATURE                    | WI        | WROUGHT IRON                              |
| FF          | FINISHED FLOOR                                            | PRELIM     | PRELIMINARY                           | WL        | WATER LINE                                |
| FG          | FINISHED GRADE                                            | PROP       | PROPOSED                              | WPZ       | WATER PRESSURE ZONE                       |
| FGH         | FINISHED GRADE, HIGH SIDE                                 | PRV        | PRESSURE REDUCING VALVE               | WT        | WEIGHT                                    |
| FGI         | FINISHED GRADE, LOW SIDE                                  | PUE        | PUBLIC UTILITY EASEMENT               | WTR       | WATER LINE                                |
| FH          | FIRE HYDRANT                                              | PT         | POINT OF TANGENT OR POINT             |           |                                           |
| FL          | FLOWLINE                                                  | PVC        | POLYVINYL CHLORIDE                    |           |                                           |

## SPECIAL NOTE

IN THE EVENT THAT ANY TEMPORARY CONSTRUCTION ITEM IS REQUIRED WHICH IS NOT SHOWN ON THESE DRAWINGS, THE OWNER AGREES TO PROVIDE AND INSTALL SUCH ITEM AT HIS OWN EXPENSE AND AT THE DIRECTION OF THE CLARK COUNTY DEPT. OF PUBLIC WORKS. TEMPORARY CONSTRUCTION ITEMS INCLUDE: PAVEMENT TRANSITIONS, PROTECTIVE DITCHES AND BERMS, ROAD SIGNS AND BARRICADES, ETC.

## NOTICE 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.

-EXISTING UTILITY LOCATIONS SHOWN HEREIN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATIONS. CALL BEFORE YOU DIG. (800) 227-2600

## LEGEND

| EXISTING | PROPOSED | DESCRIPTION                                                |
|----------|----------|------------------------------------------------------------|
|          |          | 5' CONTOUR                                                 |
|          |          | 1' CONTOUR                                                 |
|          |          | STRIPING                                                   |
|          |          | SEWER MANHOLE                                              |
|          |          | CURB AND GUTTER                                            |
|          |          | SANITARY SEWER PIPE AND FLOW ARROW                         |
|          |          | WATER PIPE                                                 |
|          |          | WATER GATE VALVE                                           |
|          |          | FIRE HYDRANT                                               |
|          |          | WATER BLOW-OFF                                             |
|          |          | WATER LATERAL W/ METER                                     |
|          |          | SANITARY SEWER LATERAL                                     |
|          |          | STREETLIGHT                                                |
|          |          | EDGE OF PAVEMENT                                           |
|          |          | TRAFFIC SIGN                                               |
|          |          | PAD ELEVATION                                              |
|          |          | FINISHED FLOOR ELEVATION                                   |
|          |          | ELEVATION                                                  |
|          |          | RETAINING WALL                                             |
|          |          | STORM DRAIN W/ MANHOLE                                     |
|          |          | EXISTING GAS GATE VALVE                                    |
|          |          | EXISTING UNKNOWN MANHOLE                                   |
|          |          | EXISTING GAS, SIZE PER PLAN                                |
|          |          | EXISTING POWER POLE                                        |
|          |          | EXISTING TRAFFIC SIGNAL                                    |
|          |          | EXISTING WALL                                              |
|          |          | WATER PIPE FITTING                                         |
|          |          | WATER POINT OF CONNECTION                                  |
|          |          | SEWER POINT OF CONNECTION                                  |
|          |          | DAYLIGHT LINE                                              |
|          |          | STREET CENTERLINE                                          |
|          |          | RIGHT-OF-WAY                                               |
|          |          | MATCHLINE                                                  |
|          |          | BOUNDARY LINE                                              |
|          |          | PHASE LINE                                                 |
|          |          | PROPERTY LINE                                              |
|          |          | FLOWLINE                                                   |
|          |          | SAWCUT                                                     |
|          |          | CUT/FILL TRANSITION LINE                                   |
|          |          | SIDEWALK                                                   |
|          |          | EX STRIPING TO BE OBLITERATED                              |
|          |          | GRADE BREAK LINE                                           |
|          |          | REFLECTIVE RAISED PAVEMENT MARKERS                         |
|          |          | BACK WATER VALVE                                           |
|          |          | WROUGHT IRON FENCE                                         |
|          |          | PONY WALL                                                  |
|          |          | DECORATIVE PERIMETER WALL                                  |
|          |          | DECORATIVE PERIMETER                                       |
|          |          | RETAINING WALL                                             |
|          |          | PROPOSED CURB AND GUTTER WITH RIGHT-OF-WAY AT BACK OF CURB |
|          |          | EXISTING CURB AND GUTTER WITH RIGHT-OF-WAY AT BACK OF CURB |
|          |          | FUTURE CURB AND GUTTER WITH RIGHT-OF-WAY AT BACK OF CURB   |

## QUANTITIES

|                                                                                    | PRIVATE | PUBLIC |
|------------------------------------------------------------------------------------|---------|--------|
| <b>DRAINAGE</b>                                                                    |         |        |
| 1. 8" WIDE CONCRETE VALLEY GUTTER W/10" TYPE I AGGREGATE BASE                      | SF      | 1,257  |
| 2.                                                                                 |         |        |
| <b>SEWER SYSTEM</b>                                                                |         |        |
| 1. 4" PVC SEWER LATERAL (PRIVATE)                                                  | LF      | 224    |
| 2. 4" C-900 SEWER LATERAL (PRIVATE)                                                | LF      | 121    |
| 3. SHALLOW 48" SEWER MANHOLE (PUBLIC) PER DCSWCS SD-13 "B"                         | EA      | 1      |
| 4. 72" SEWER MANHOLE (PUBLIC)                                                      | EA      | 2      |
| 5. 8" C-900 WATER QUALITY SEWER PIPE (PUBLIC)                                      | EA      | 782    |
| 6.                                                                                 |         |        |
| 7.                                                                                 |         |        |
| <b>WATER SYSTEM</b>                                                                |         |        |
| 1. FIRE HYDRANT ASSEMBLY W/6" GATE VALVE PER UDACS PLATE NO. 40                    | EA      | 1      |
| 2. 6" PVC WATER PIPE (CLASS 150)                                                   | LF      | 114    |
| 3. 10" PVC WATER PIPE (CLASS 150)                                                  | LF      | 410    |
| 4. 10" GATE VALVE WITH VALVE BOX PER UDACS PLATE NO. 30 & 39                       | EA      | 1      |
| 5. 10" X 6" FH TEE PER UDACS PLATE NO. 31                                          | EA      | 1      |
| 6. 10" X 10" TEE PER UDACS PLATE NO. 31                                            | EA      | 1      |
| 7. 10" X 6" REDUCER PER UDACS PLATE NO. 30                                         | EA      | 1      |
| 8. CAP AND 2" BLOW-OFF ASSEMBLY W/CAP PER UDACS PLATE NO. 36                       | EA      | 1      |
| 9. 1" COPPER SERVICE LATERAL                                                       | LF      | 260    |
| 10. 1" COPPER SERVICE W/ 3/4" METER PER UDACS PLATE NO. 3                          | EA      | 12     |
| 11. 1" COPPER SERVICE W/ 3/4" IRRIGATION METER & 1" RPPA PER UDACS PLATE NO. 4 & 8 | EA      | 1      |
| 12.                                                                                |         |        |
| 13.                                                                                |         |        |
| <b>STREET IMPROVEMENTS</b>                                                         |         |        |
| 1. 2" A.C. PAVEMENT W/ 4" TYPE II OVER 6" TYPE I AGGREGATE BASE                    | SY      | 2,598  |
| 2. 3" A.C. PAVEMENT W/ 4" TYPE II OVER 6" TYPE I AGGREGATE BASE                    | SY      | 2,963  |
| 3. 5.5" A.C. PAVEMENT W/ 6" TYPE II OVER 6" TYPE I AGGREGATE BASE                  | SY      | 405    |
| 4. STANDARD 8" TYPE "A" ISLAND CURB W/6" TYPE I AGGREGATE BASE                     | LF      | 95     |
| 5. STANDARD 30" TYPE "ROLL" CURB & GUTTER W/6" TYPE I AGGREGATE BASE               | LF      | 1,175  |
| 6. 4" WIDE CONCRETE SIDEWALK W/4" TYPE II AGGREGATE BASE                           | SF      | 1,901  |
| 7. 5" WIDE CONCRETE SIDEWALK W/4" TYPE II AGGREGATE BASE                           | SF      | 5,650  |
| 8. STANDARD 24" TYPE "L" CURB & GUTTER W/6" TYPE I AGGREGATE BASE                  | LF      | 95     |
| 1,018                                                                              |         |        |
| <b>TRAFFIC SIGNALS</b>                                                             |         |        |
| 1. 30" STOP SIGN WITH POST (R1-1)                                                  | EA      | 3      |
| 2. 9" STREET NAME SIGN (D-3, BROWN W/ WHITE LETTERS)(6 POLES x 2 PER POLE=12)      | EA      | 3      |
| 3. BLUE COLORED REFLECTIVE RAISED PAVEMENT MARKER                                  | EA      | 1      |
| 4.                                                                                 |         |        |
| 5.                                                                                 |         |        |
| 6.                                                                                 |         |        |
| 7.                                                                                 |         |        |
| 8.                                                                                 |         |        |
| <b>DRY UTILITIES</b>                                                               |         |        |
| 1. 100W H.P.S. LUMINAIRE STREET LIGHT W/DECORATIVE POLE                            | EA      | 3      |
| 2. 2" PVC STREET LIGHT CONDUIT WITH (2) #4 AND (1) #8 CONDUCTORS                   | LF      | 585    |
| 3. 200 AMP SERVICE PEDESTAL (STLT)                                                 | EA      | 1      |
| 4.                                                                                 |         |        |
| 5.                                                                                 |         |        |
| 6.                                                                                 |         |        |

## APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

DATE PROJECT No. LVVWD APPROVED FIRE FLOW 2,000 GPM AT 20 PSI RESIDUAL

AVOID HITTING UNDERGROUND TRAFFIC SIGNAL SYSTEMS AND STREET LIGHT SYSTEM CONDUITS. IT'S COSTLY.

Call before you do UnderGround

1-702-455-6000

CLARK COUNTY TRAFFIC OPERATIONS AND

1-702-432-5300

FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

Call before you Dig

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.

Call 811

OR

1-800-227-2600

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.

CALL BEFORE YOU DO OVERHEAD

1-702-227-2929

SLATER HANIFAN GROUP

CONSULTING ENGINEERS & PLANNERS

5740 S. ARVILLE STREET #216, LAS VEGAS, NV 89118

PHONE (702) 284-5300 FAX (702) 284-5399

| NO. | DESCRIPTION | DATE | BY | APP. DATE |
|-----|-------------|------|----|-----------|
| 1.  |             |      |    |           |
| 2.  |             |      |    |           |
| 3.  |             |      |    |           |
| 4.  |             |      |    |           |
| 5.  |             |      |    |           |
| 6.  |             |      |    |           |
| 7.  |             |      |    |           |
| 8.  |             |      |    |           |

CLARK COUNTY, NV

PINNACLE HOMES

DESERT TRACE

QUANTITIES AND ABBREVIATION

10/24/17

DRAFTER: SS

DESIGNER: KMB

CHECKED: TJS

PROJECT NO.

PIN1701

PROFESSIONAL ENGINEER - STATE OF NEVADA

KEVIN M. BROSS

Exp. 12/31/2018

CIVIL

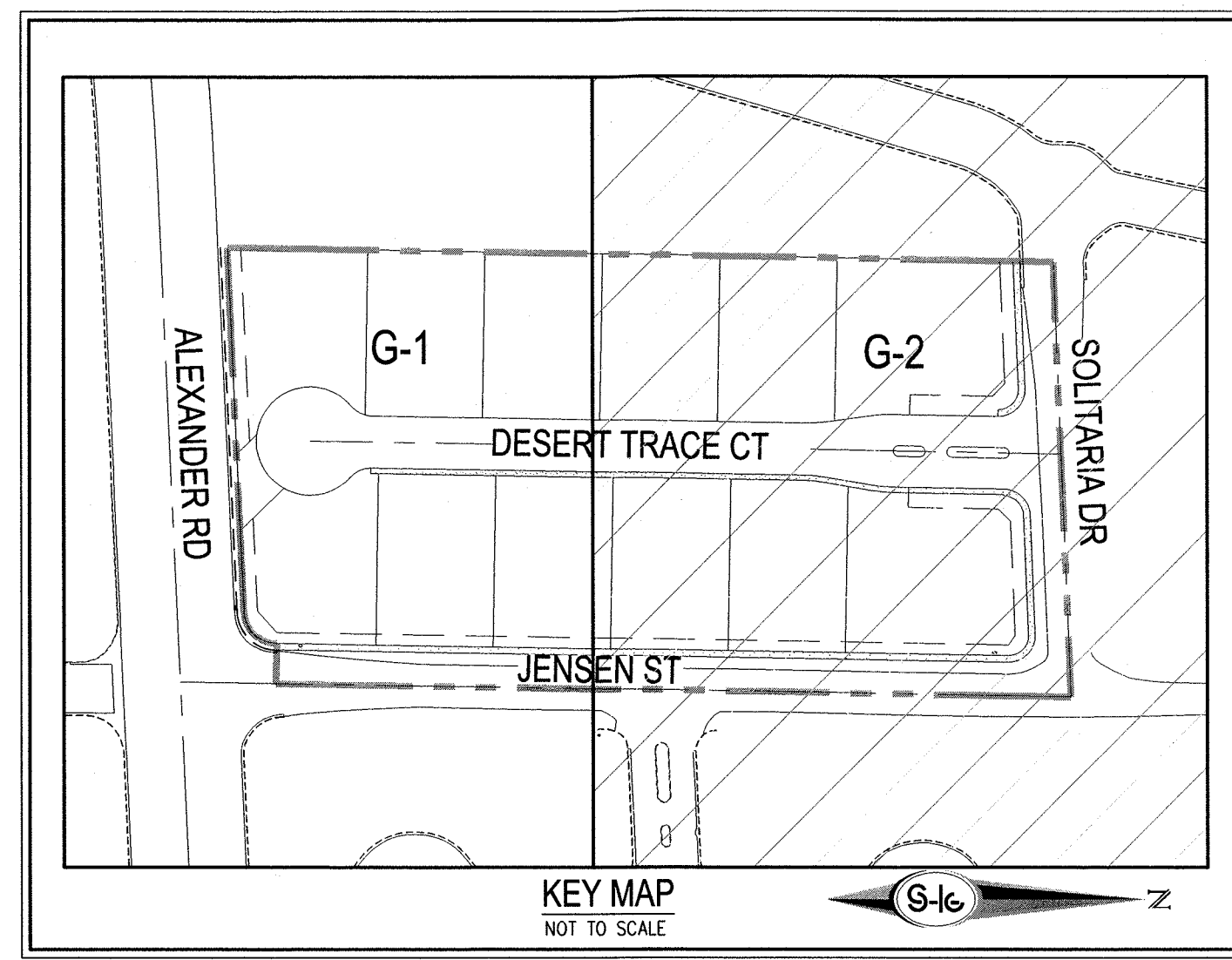
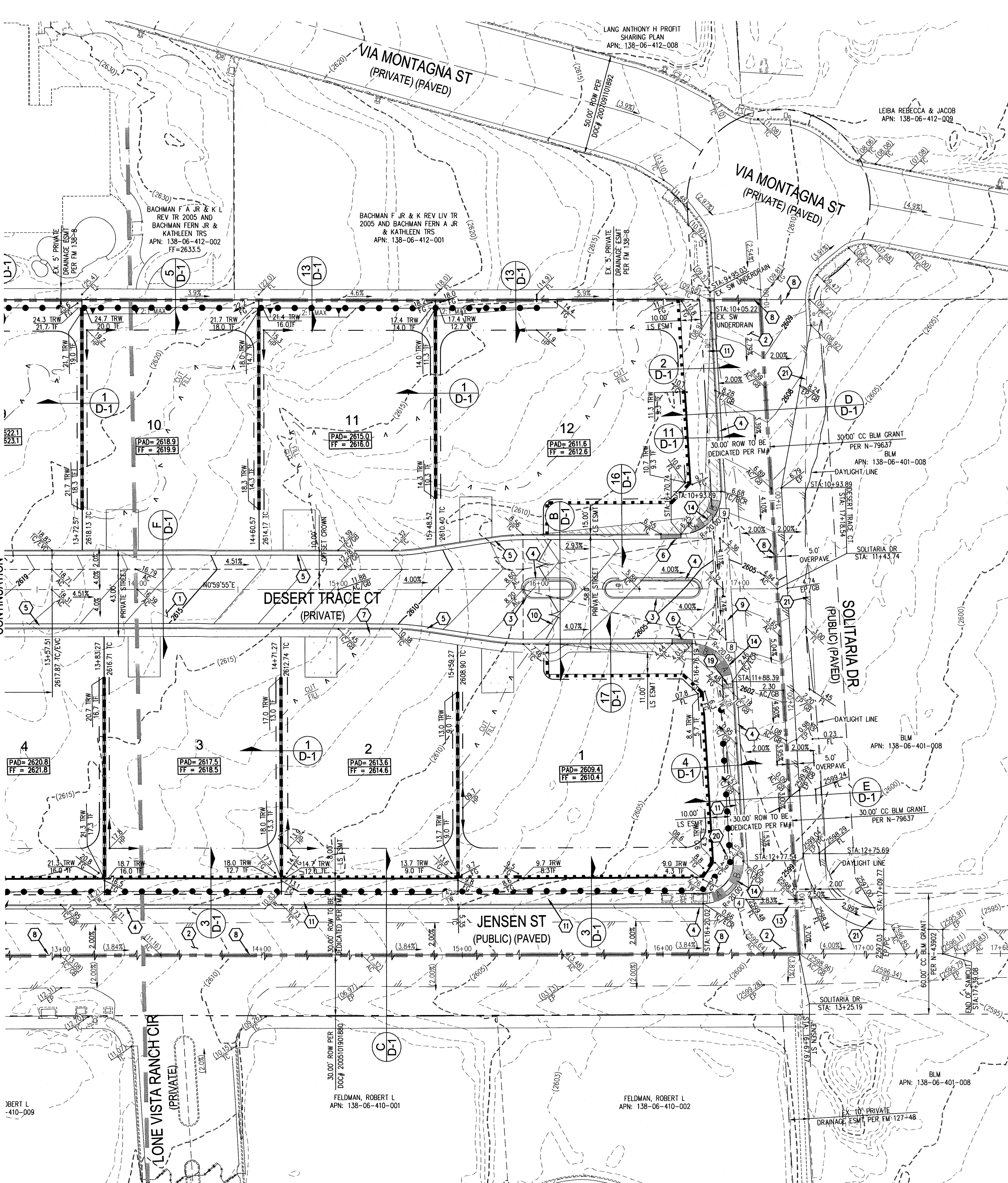
No. 24571

11/2/17

C-3

SHEET 3 OF 17





- 1 INSTALL 2" ASPHALT PAVEMENT OVER 4" TYPE II AGGREGATE BASE
- 2 INSTALL 3" ASPHALT PAVEMENT OVER 4" TYPE II AGGREGATE BASE
- 3 INSTALL A TYPE CURB PER CCAUSD NO. 219
- 4 INSTALL A TYPE CURB PER CCAUSD NO. 216
- 5 INSTALL ROLL TYPE CURB PER CCAUSD NO. 217.2.S1
- 6 INSTALL 10' CROWN TRANSITION FROM ROLLED CURB TO TYPE CURB PER DETAIL 10 SHEET D-1
- 7 INSTALL 4" WIDE SIDEWALK PER CCAUSD NO. 234 (4" THICK) SAWCUT AND MATCH EXISTING IMPROVEMENT PER CCAUSD NO. 200.3.A, 500.4.A AND 500.5
- 8 INSTALL 8" CROSS GUTTER PER CCAUSD NO. 228
- 9 INSTALL WROUGHT IRON GATE
- 10 INSTALL 5" WIDE SIDEWALK PER CCAUSD NO. 234 (4" THICK)
- 11 REMOVE EXISTING AC AND REPLACE
- 12 CONSTRUCT CROSS GUTTER CURB PER CCAUSD NO. 228 & 229
- 13 CONSTRUCT SIDEWALK RAMPS USING ARMOR LITE TRUNCATED DORIES OR EQUIVALENT PER CCAUSD NO. 235, CASE 1 & 235.1
- 14 INSTALL 6" HIGHER TUBULAR STEEL 12" MIN WIDTH DOUBLE GATES PER DETAIL 14 SHEET D-1
- 15 INSTALL 3.5" ASPHALT PAVEMENT WITH 6" TYPE II AGGREGATE BASE OVER 12" TYPE I AGGREGATE BASE
- 16 REMOVE EXISTING "L" CURB AND INSTALL COMMERCIAL DRIVEWAY AND CURB TRANSITIONS PER CCAUSD #224 WITH CRASH GATE
- 17 REMOVE AND REPLACE EXISTING SIDEWALK AT COMMERCIAL DRIVEWAY
- 18 INSTALL SIDEWALK UNDERDRAIN PER CCAUSD NO. 236
- 19 INSTALL DRAIN PIPE PER DETAIL 18 ON SHEET D-1
- 20 REMOVE EXISTING AC

- OWNER RESPONSIBLE TO PROVIDE SURVEY MONUMENTATION AS SHOWN  
AND TO REPLACE ALL SURVEY MONUMENTATION DAMAGED, DISTURBED,  
DESTROYED, OR OBSCURED DURING CONSTRUCTION.

- 1) EXISTING UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.
- 2) FOR ROADWAY WIDENING AND HALF STREET IMPROVEMENTS THE CONTRACTOR SHALL VERIFY CURB SLOPES FROM EXISTING PAVED SIDEWALK LINE. THE CONTRACTOR'S EDGE OF PAVEMENT OR PROJECTED JUD OF CURB PRIOR TO SUBGRADE PREPARATION AND CONSTRUCTION OF PROPOSED CURB LINE. IF MINIMUM OR MAXIMUM CURB SLOPES DO NOT MEET AGENCY STANDARDS THE CONTRACTOR SHALL NOTIFY THE ENGINEER.

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2. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AND REPORT ALL DISCREPANCIES TO THE ENGINEER.
3. ALL IMPROVEMENTS TO BE PROTECTED FROM EROSION BY SWPPP.
4. MAXIMUM SLOPES/GRADIENTS AND MINIMUM STREET SECTIONS NOT TO EXCEED THAT SHOWN ON GEOTECH REPORT.
5. SEE DETAIL SHEET FOR STREET SECTIONS AND DETAILS.
6. ALL PUBLIC AND PRIVATE DRAINAGE IMPROVEMENTS TO BE BONDED FOR AND INSPECTED.
7. CONSTRUCTION OF BLOCK WALLS REQUIRES A SEPARATE BUILDING PERMIT AND APPROVAL BY THE CLARK COUNTY BUILDING DEPARTMENT.
8. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING UTILITIES, STRUCTURES AND FACILITIES AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION. CONTRACTOR TO PROTECT IN PLACE DURING CONSTRUCTION. ENGINEER/OWNER SHALL BE RESPONSIBLE FOR DAMAGE TO EXISTING FACILITIES PRIOR TO CONSTRUCTION. CONTRACTOR WILL BE RESPONSIBLE FOR REPAIR/REPLACING FACILITIES IF ENGINEER/OWNER IS NOT NOTIFIED OF DAMAGE PRIOR TO CONSTRUCTION.
9. NO STRUCTURE, VEGETATION, OR OBJECTS OF ANY KIND IS PERMITTED OVER TWENTY-FOUR (24) INCHES IN HEIGHT (MEASURED FROM THE TOP OF THE ADJACENT CURB IF CURB EXISTS) WITHIN THE SIGHT VISIBILITY ZONES.

# LEGEND

|  |                                     |
|--|-------------------------------------|
|  | MATCHLINE                           |
|  | ROADWAY CENTERLINE                  |
|  | RIGHT-OF-WAY                        |
|  | PROPERTY LINE                       |
|  | CURB AND GUTTER                     |
|  | FLOWLINE                            |
|  | EX. EDGE OF PAVEMENT (E.F.)         |
|  | SAWCUT LINE PER CAUSD NO. 503       |
|  | PROPOSED ELEVATION                  |
|  | EXISTING ELEVATION                  |
|  | EXISTING CONTOUR (5-FT)             |
|  | EXISTING CONTOUR (1-FT)             |
|  | CUT/FILL TRANSITION LINE            |
|  | FIRE HYDRANT ASSEMBLY               |
|  | SIGHT VISIBILITY ZONE               |
|  | PONY RETAINING WALL                 |
|  | RETAINING WALL                      |
|  | DECORATIVE PERIMETER RETAINING WALL |
|  | DECORATIVE PERIMETER RETAINING WALL |

SEE SHEET C-3 FOR ABBREVIATIONS AND QUANTITIES

THE PROJECT SITE IS LOCATED WITHIN THE CURRENT FLOOD INSURANCE RATE MAP (FIRM) PANEL MAP 32003C2135F, EFFECTIVE DATE NOVEMBER 16, 2011. THE PROJECT SITE IS LOCATED WITHIN FEMA DESIGNATED ZONE 'X' (UNSHADED). ZONE 'X' (UNSHADED) IS DESCRIBED BY FEMA AS AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.

SOILS REPORT BY WRIGHT ENGINEERS  
5275 ARVILLE ST. SUITE 108  
LAS VEGAS, NV 89118

PROJECT NO. 170175      DATED JANUARY 25, 2011

**EARTHWORKS**

ADD 2600 TO ALL SPOT GRADES WHERE THE HUNDREDS AND THOUSANDS PLACES ARE OMITTED FOR ACTUAL ELEVATION (I.E. 01.00 REPRESENTS 2601.00)

I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED FLOOD STUDY HTE# 17-20936 ON FILE AT CLARK COUNTY FOR THE SUBJECT PROJECT.


  
 KEVIN M. BROSS, PE 24572 DATE

|  |
|--|
|  |
|--|

THE EAST HALF (E1/2) OF THE SOUTHWEST QUARTER (SW1/4) OF THE SOUTHWEST QUARTER (SE1/4) OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 6, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA.

NORTH 00°54'51" EAST, BEING THE BEARING OF THE EAST LINE OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 6, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M. CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF IN BOOK 152, PAGE 59 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

BENCHMARK NUMBER: 9LV007NNW6  
RIVET AND PLATE IN TOP OF CURB AT SOUTHEAST  
CORNER OF ALEXANDER AND JENSEN.  
ELEVATION = 2620.16 FEET, 798.626 METERS  
N.A.V.D 88 DATUM  
PER CITY OF LAS VEGAS ONLINE BENCHMARK BOOK

**FAST**

 Call before you  
**UnderGround**  
**1-702-432-5300**  
FREEWAY & ARTERIAL SYSTEMS  
OF TRANSPORTATION (F.A.S.)

AVOID HITTING OVERHEAD  
POWER LINES. IT'S  
COSTLY.

CALL BEFORE  
YOU DO  
OVERHEAD

1-702-227-2929

Call before you Dig  
AVOID CUTTING UNDERGROUND  
UTILITY LINES. IT'S COSTLY.

Call  
**811**  
OR  
1-800-227-2600

[illegible]

|                  |  |
|------------------|--|
| CLARK COUNTY, NV |  |
|------------------|--|

**PINNACLE HOMES**

**DESERT TRACE**

**GRADING PLAN II**

|       |          |
|-------|----------|
| DATE: | 10/24/17 |
|-------|----------|

DRAFTER: SS

DESIGNER: KMB

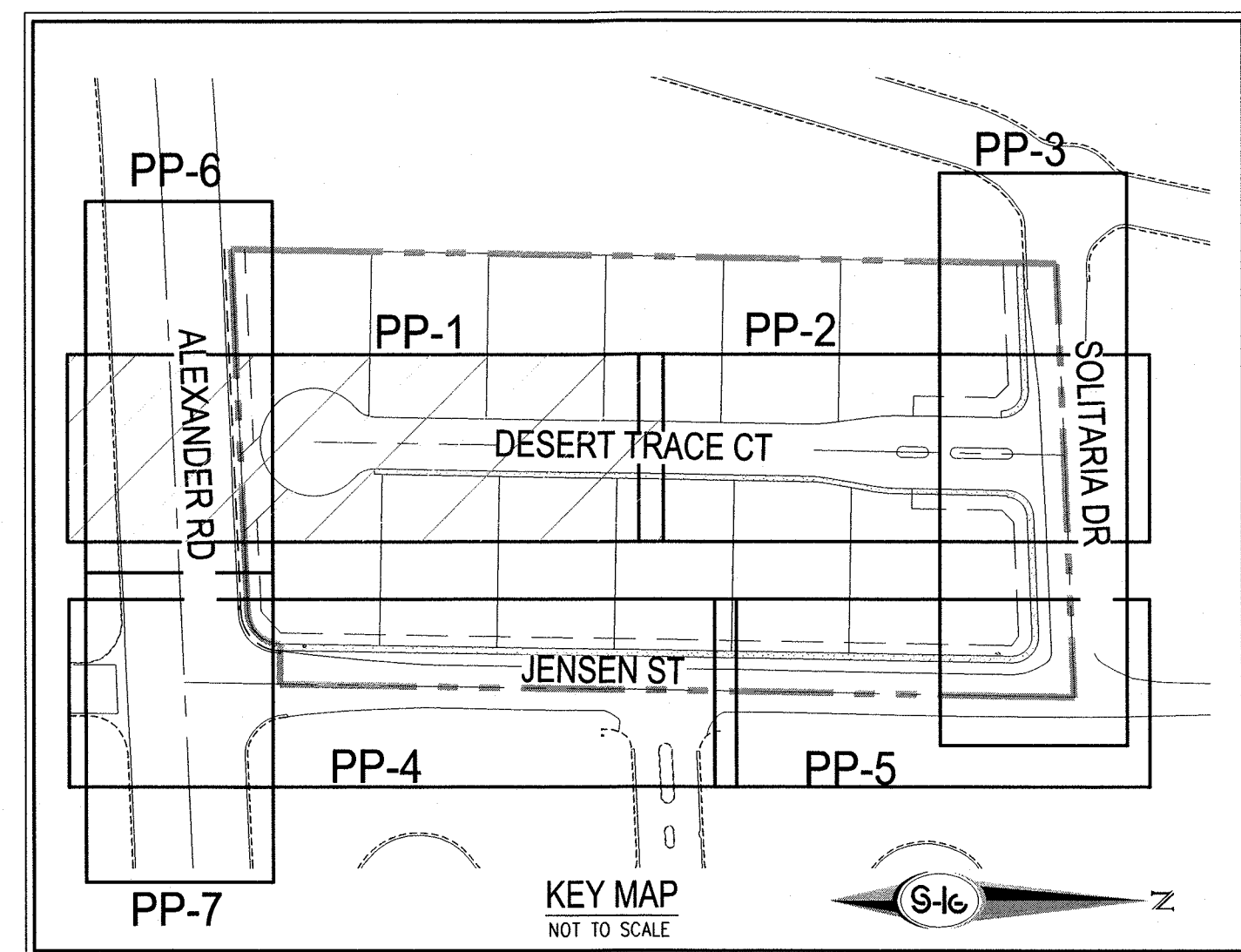
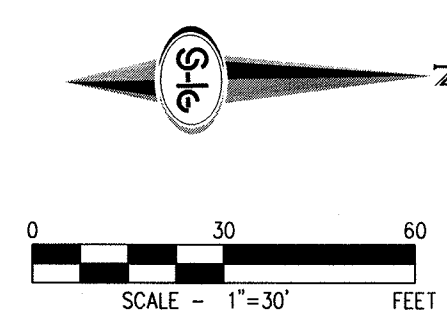
CHECKED: TJS

PROJECT NO.

**PIN1701**

**G-2**  
SHEET 5 OF 17





**S-I-G**  
**SLATER HANIFAN GROUP**  
**CONSULTING ENGINEERS & PLANNERS**  
5740 S. ARVILLE STREET #216, LAS VEGAS, NV 89118  
PHONE (702) 284-5300 FAX (702) 284-5399

[illegible]

CLARK COUNTY, NV

**PINNACLE HOMES**

## DESERT TRACE

# PLAN AND PROFILE - DESERT TRACE CT

6.

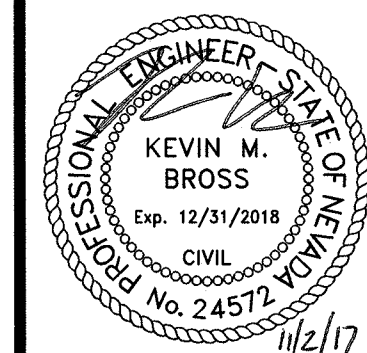
DATE: 10/24/17

DRAFTER: SS

DESIGNER: KM

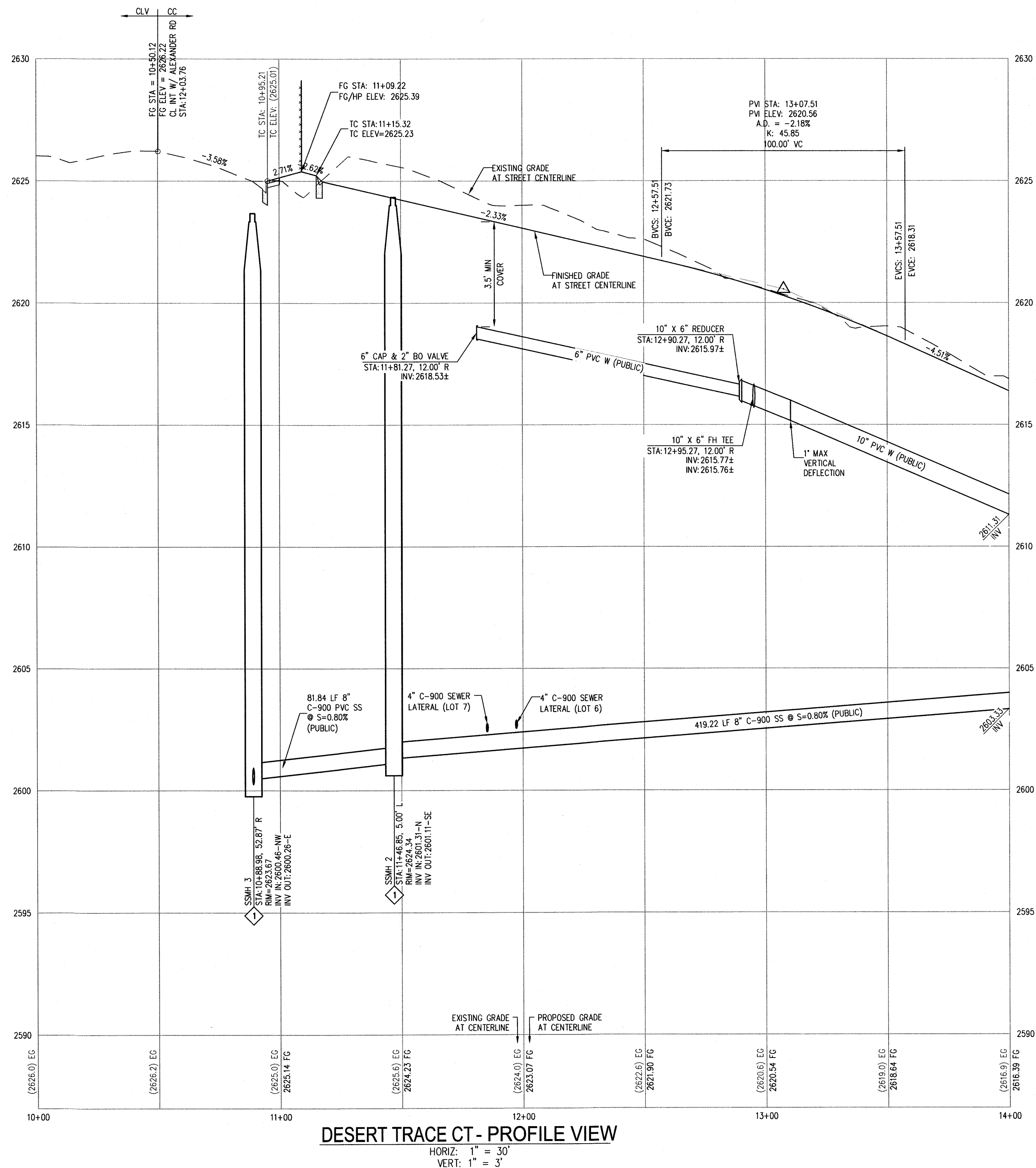
CHECKED: TJS

PROJECT NC

**PIN1701**

**PP-1**

SHEET 7 OF 17



**\*\*HIGH PRESSURE GAS NOTE:**  
CAUTION: HIGH PRESSURE GAS!!  
CALL SOUTHWEST GAS AT 702-400-1789 FOR STANDBY  
WHEN EXCAVATING OVER OR NEAR HIGH PRESSURE GAS  
LINES 48 HOURS PRIOR TO CONSTRUCTION.

### CONSTRUCTION NOTES

- 1 INSTALL 2" ASPHALT PAVEMENT OVER 4" TYPE II AGGREGATE BASE
- 2 INSTALL 3" ASPHALT PAVEMENT OVER 4" TYPE II AGGREGATE BASE
- 3 INSTALL A TYPE CURB PER CCAUSD NO. 219
- 4 INSTALL A TYPE CURB PER CCAUSD NO. 216
- 5 INSTALL ROLL TYPE CURB PER CCAUSD NO. 217.2 S1
- 6 INSTALL 10" CURBS TRANSITION FROM ROLLED CURB TO TYPE CURB PER DETAIL 14 SHEET D-1
- 7 INSTALL 4" WIDE SIDEWALK PER CCAUSD NO. 234 (4" THICK) SAWCUT AND MATCH EXISTING IMPROVEMENT PER THICKNESS 500.3, 500.4 AND 500.5
- 8 INSTALL 8" CROSS GUTTER PER CCAUSD NO. 228
- 9 INSTALL WROUGHT IRON GATE
- 10 INSTALL 5" WIDE SIDEWALK PER CCAUSD NO. 234 (4" THICK)
- 11 REMOVE EXISTING AC AND REPLACE
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- 13 CONSTRUCT SIDEWALK RAMPS USING ARROW TILE (TRUNCATED CONES OR EQUIVALENT PER CCAUSD NO. 235, CASE 1 & 235.1
- 14 INSTALL 6" HIGH TUBULAR STEEL 12" MIN WIDTH DOUBLE GATES PER DETAIL 14 SHEET D-1
- 15 INSTALL 5.5" ASPHALT PAVEMENT WITH 6" TYPE II AGGREGATE BASE OVER 6" TYPE II AGGREGATE BASE
- 16 REMOVE EXISTING 1" CURB AND INSTALL COMMERCIAL DRIVEWAY AND CURB TRANSITIONS PER CCAUSD #224 WITH CRASH GATE REMOVE AND REPLACE EXISTING SIDEWALK AT COMMERCIAL DRIVEWAY
- 17 INSTALL SIDEWALK UNDERDRAIN PER CCAUSD NO. 236
- 18 INSTALL DRAIN PIPE PER DETAIL 18 ON SHEET D-1
- 20 REMOVE EXISTING AC

## SURVEY NOTE

OWNER RESPONSIBLE TO PROVIDE SURVEY MONUMENTATION AS SHOWN  
AND TO REPLACE ALL SURVEY MONUMENTATION DAMAGED, DISTURBED,  
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### DISCLAIMER NOTE

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## GENERAL NOTES

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9. NO STRUCTURE, VEGETATION, OR OBJECTS OF ANY KIND IS PERMITTED OVER TWENTY-FOUR (24) INCHES IN HEIGHT (MEASURED FROM THE TOP OF THE ADJACENT CURB IF CURB EXISTS) WITHIN TWENTY-FOUR (24) INCHES VISIBILITY OF THE ADJACENT CURB.

## CLARK COUNTY DEPARTMENT OF PUBLIC WORKS DEVELOPMENT REVIEW

ACCEPTANCE OF PLANS FOR FILING

BY \_\_\_\_\_

ACCEPTANCE OF THESE PLANS FOR FILING SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS AND/OR SPECIFICATIONS CLARK COUNTY SHALL BE HELD FREE FROM DAMAGES WHICH MAY RESULT FROM THE CONSTRUCTION OF THE IMPROVEMENTS FROM THE ENGINEERING DESIGN DEPICTED HEREIN.

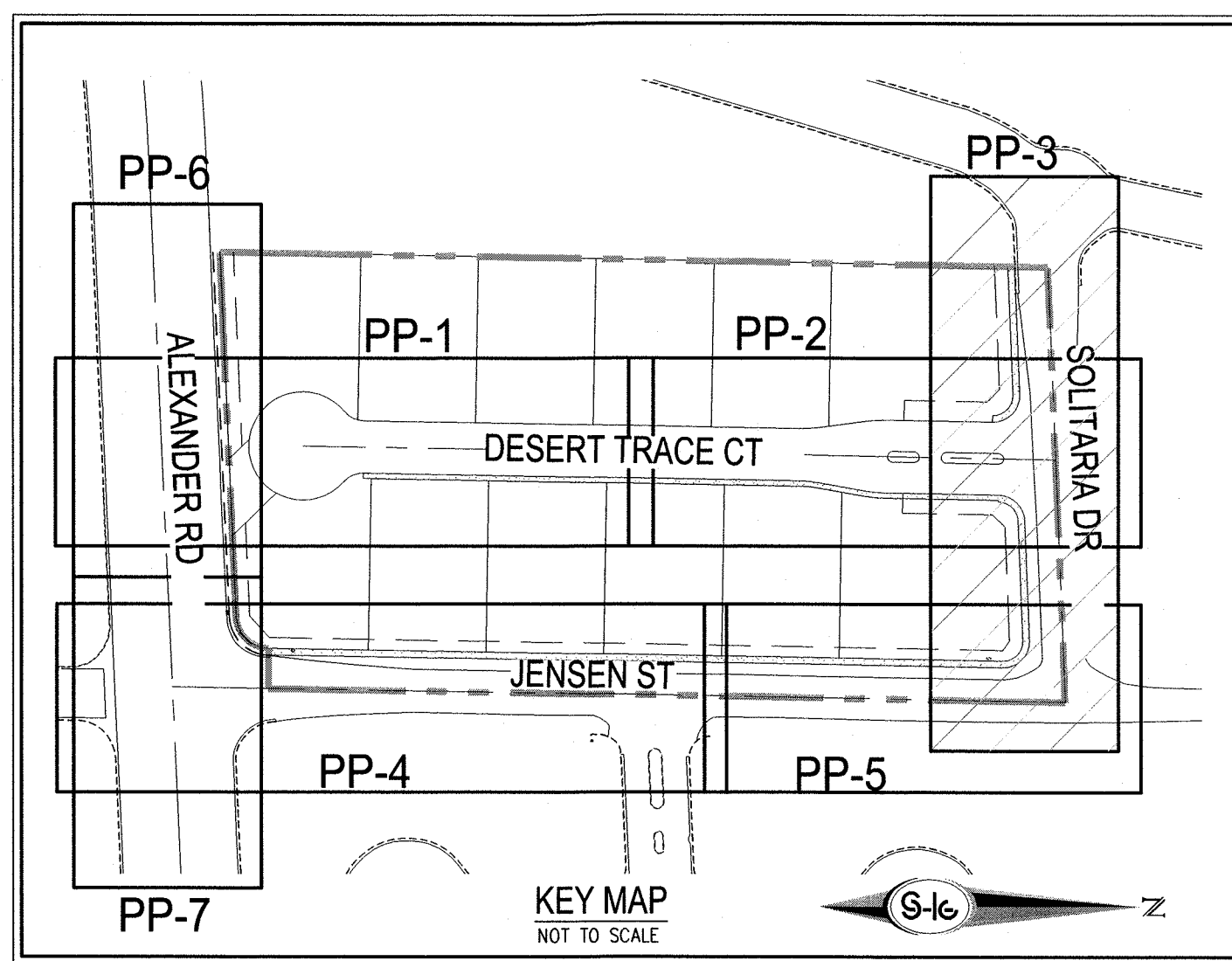
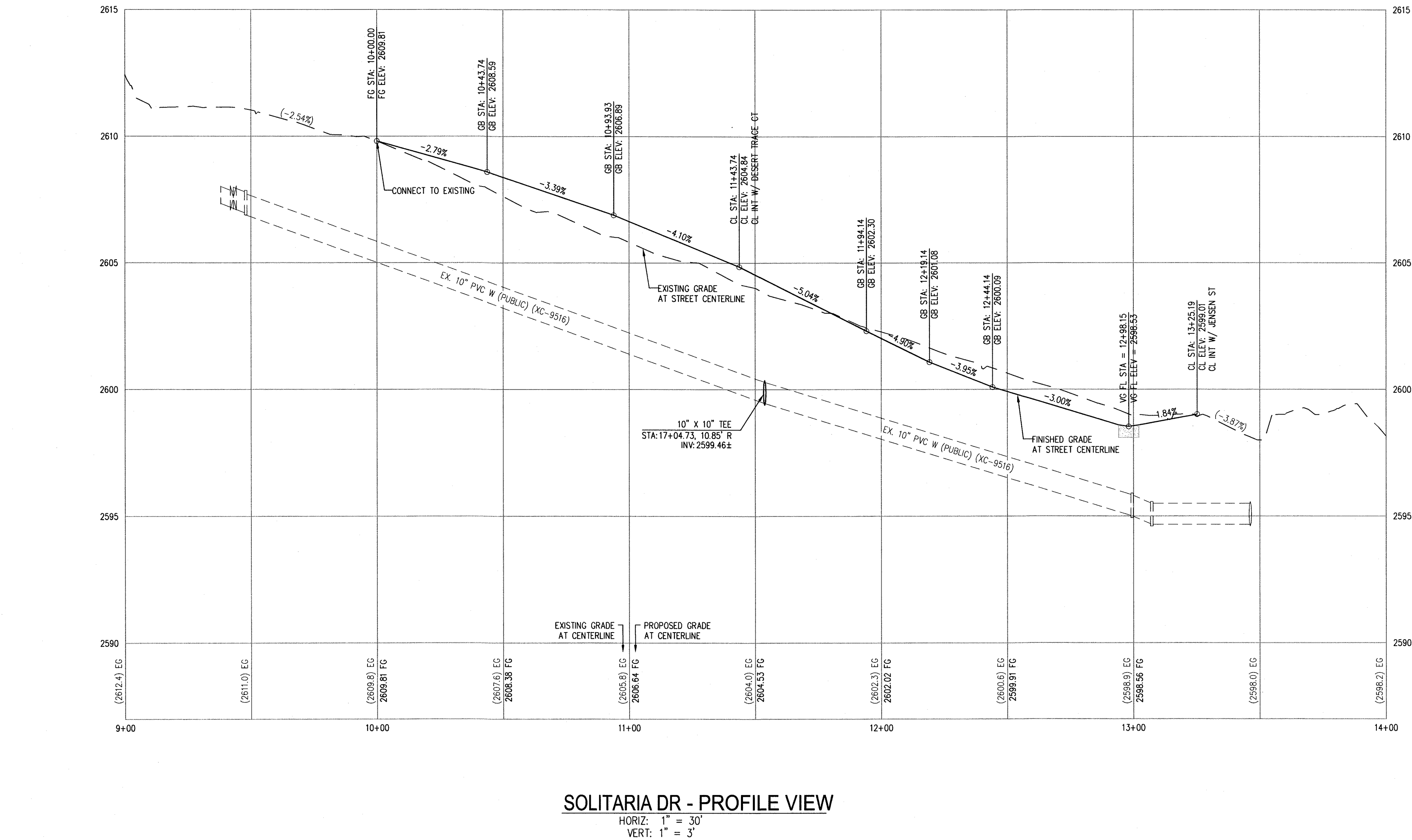
NOTE: POWER POLES AND/OR OTHER EXISTING FACILITIES NOT IN PROPER LOCATION BASED ON PROPOSED IMPROVEMENTS SHOWN HEREON WILL BE RELOCATED AT NO EXPENSE TO CLARK COUNTY

## BASIS OF BEARINGS

NORTH 00°54'51" EAST, BEING THE BEARING OF THE EAST LINE OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 6, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF IN BOOK 152, PAGE 59 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.







# CONSTRUCTION NOTES

1. INSTALL 2" ASPHALT PAVEMENT OVER 4" TYPE II AGGREGATE BASE
2. INSTALL 3" ASPHALT PAVEMENT OVER 4" TYPE II AGGREGATE BASE
3. INSTALL A TYPE CURB PER CCASD NO. 219
4. INSTALL L TYPE CURB PER CCASD NO. 216
5. INSTALL ROLL TYPE CURB PER CCASD NO. 217.2/51
6. INSTALL 10" CURB TRANSITION FROM ROLLED CURB TO TYPE CURB PER DETAIL 10 SHEET D-1
7. INSTALL 4" WIDE SIDEWALK PER CCASD NO. 234 (4" THICK)
8. SAWCUT AND MATCH EXISTING IMPROVEMENT PER CCASD NO. 500.3, 500.4 AND 500.5
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20. INSTALL DRAIN PIPE PER DETAIL 18 ON SHEET D-1
21. REMOVE EXISTING AC

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| CURVE TABLE |         |         |            |         |
|-------------|---------|---------|------------|---------|
| CURVE       | LENGTH  | RADIUS  | DELTA      | TANGENT |
| C1          | 16.83'  | 19.50'  | 49°27'32"  | 8.98'   |
| C2          | 197.15' | 40.50'  | 278°50'00" | 34.64'  |
| C3          | 16.83'  | 19.50'  | 49°27'30"  | 8.98'   |
| C4          | 14.84'  | 97.50'  | 84°31'16"  | 7.43'   |
| C5          | 15.60'  | 102.50' | 84°31'16"  | 7.82'   |
| C6          | 32.57'  | 20.00'  | 93°18'33"  | 21.19'  |
| C7          | 30.26'  | 20.00'  | 86°41'27"  | 18.98'  |
| C8          | 15.60'  | 102.50' | 84°31'16"  | 7.82'   |
| C9          | 14.84'  | 97.50'  | 84°31'11"  | 7.43'   |
| C10         | 32.56'  | 20.00'  | 93°16'52"  | 21.18'  |
| C11         | 45.29'  | 30.00'  | 86°29'26"  | 28.22'  |

## SEWER NOTES

1. INSTALL 72" DIAMETER (PUBLIC) SANITARY SEWER MANHOLE WITH PRECAST BASE PER DCSWCS 2.2.9, SD-1A, SD-1B, SD-4 & SD-9 (SINGLE 24" LID)
2. CONNECT TO EXISTING SEWER
5. INSTALL 48" DIAMETER (PUBLIC) SHALLOW SANITARY SEWER MANHOLE WITH PRECAST BASE PER DCSWCS 2.0-13 "B", SD-1A, AND SD-1B (SINGLE 24" LID)

# LEGEND

|  |                                     |
|--|-------------------------------------|
|  | MATCHLINE                           |
|  | ROADWAY CENTERLINE                  |
|  | RIGHT-OF-WAY                        |
|  | PROPERTY LINE                       |
|  | CURB AND GUTTER                     |
|  | FLOWLINE                            |
|  | EX. EDGE OF PAVEMENT (EP)           |
|  | SAW CUT LINE PER CAAUSD NO. 503     |
|  | PROPOSED ELEVATION                  |
|  | EXISTING ELEVATION                  |
|  | EXISTING CONTOUR (5-Ft)             |
|  | EXISTING CONTOUR (1-Ft)             |
|  | CUT/FILL TRANSITION LINE            |
|  | FIRE HYDRANT ASSEMBLY               |
|  | SIGHT VISION ZONE                   |
|  | PONY RETAINING WALL                 |
|  | RETAINING WALL                      |
|  | DECORATIVE PERIMETER RETAINING WALL |

SEE SHEET C-3 FOR ABBREVIATIONS AND QUANTITIES

**BENCHMARK**

---

BENCHMARK NUMBER: 9LV007NNW6

RIVET AND PLATE IN TOP OF CURB AT SOUTHEAST  
CORNER OF ALEXANDER AND JENSEN.

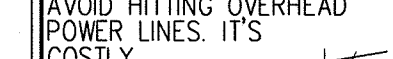
ELEVATION = 2620.16 FEET, 798.626 METERS  
N.A.Y.D 88 DATUM

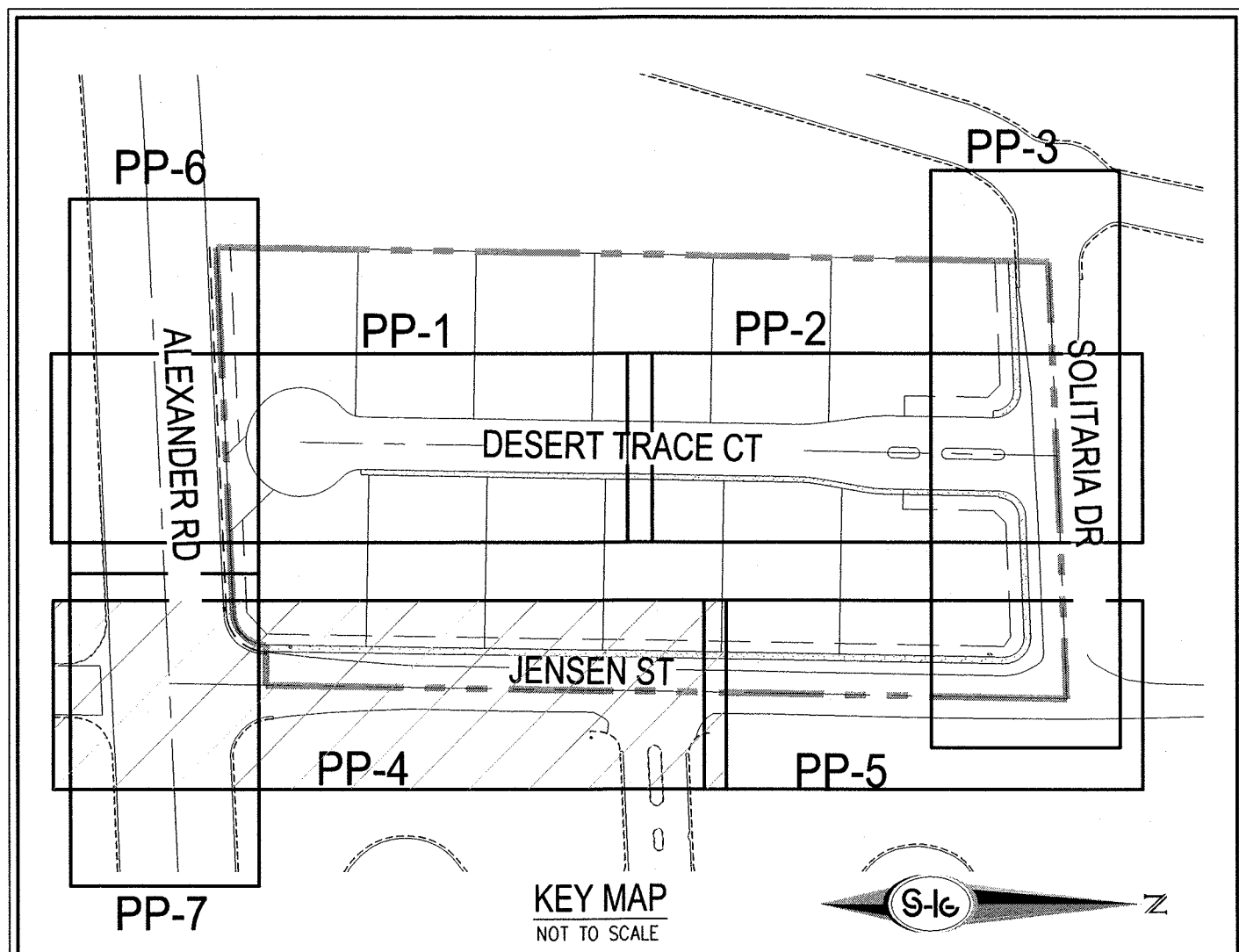
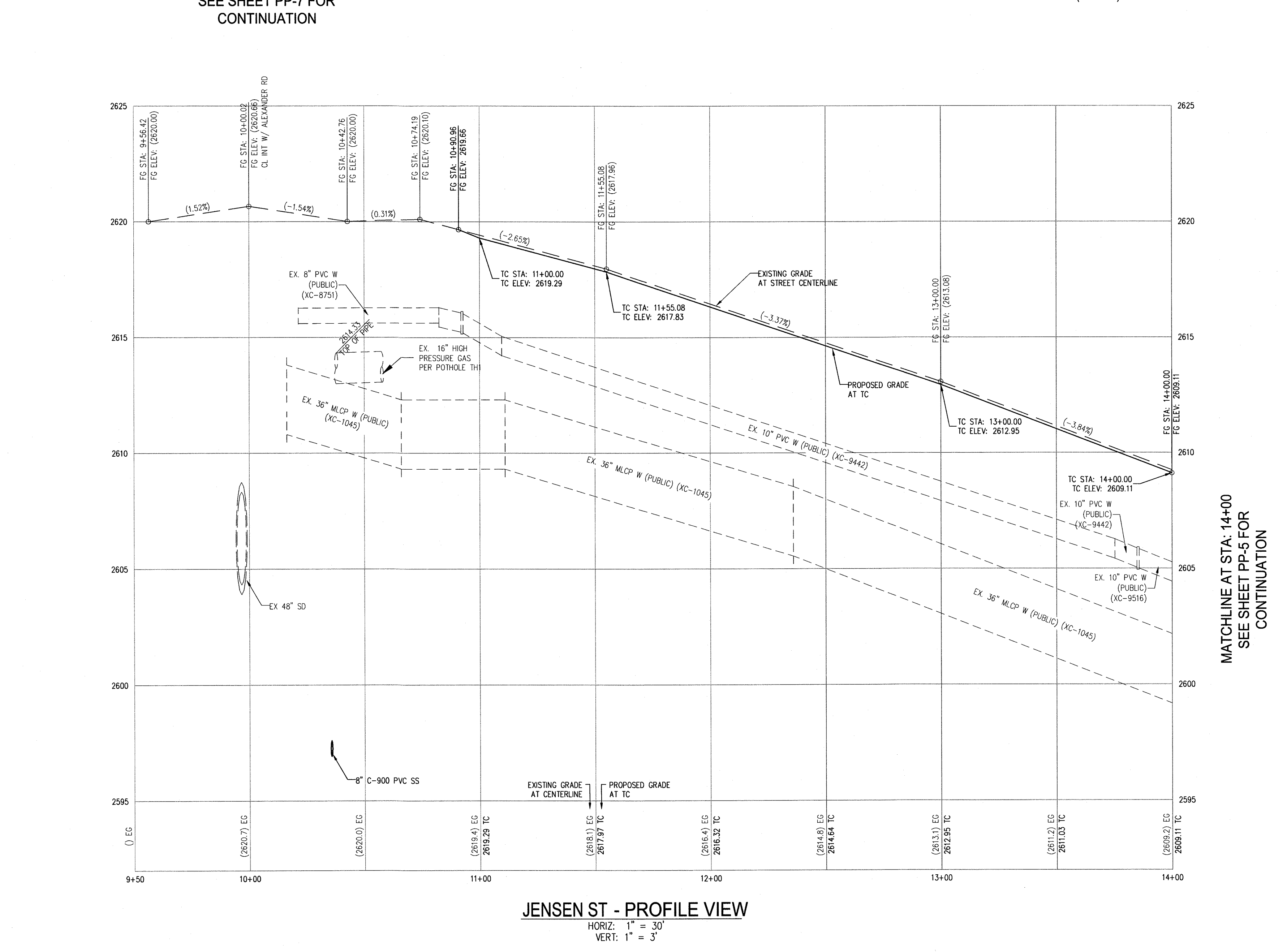
PER CITY OF LAS VEGAS ONLINE BENCHMARK BOOK.

|                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <h2 style="margin: 0;">CLARK COUNTY DEPARTMENT OF<br/>PUBLIC WORKS DEVELOPMENT REVIEW</h2>                                                                             |                                                                                                                                                                                                                                                                                                                                                |
| <h3 style="margin: 0;">ACCEPTANCE OF PLANS FOR FILING</h3>                                                                                                             |                                                                                                                                                                                                                                                                                                                                                |
| BY _____                                                                                                                                                               | ACCEPTANCE OF THESE PLANS FOR FILING SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS AND/OR SPECIFICATIONS CLARK COUNTY SHALL BE HELD FREE FROM DAMAGES WHICH MAY RESULT FROM THE CONSTRUCTION OF THE IMPROVEMENTS FROM THE ENGINEERING DESIGN DEPICTED HEREIN. |
| NOTE: POWER POLES AND/OR OTHER EXISTING FACILITIES NOT IN PROPER LOCATION BASED ON PROPOSED IMPROVEMENTS SHOWN HEREON WILL BE RELOCATED AT NO EXPENSE TO CLARK COUNTY. |                                                                                                                                                                                                                                                                                                                                                |

**BASIS OF BEARINGS**

NORTH 00°54'51" EAST, BEING THE BEARING OF THE EAST LINE OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 6, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M. CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF IN BOOK 152, PAGE 59 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

|                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>FAST</b></p>  <p>Call before you UnderGround<br/> <b>1-702-432-5300</b><br/>         FREEWAY &amp; ARTERIAL SYSTEM<br/>         OF TRANSPORTATION (F.A.S.T.)</p> | <p>AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.</p>  <p>Call before you Dig<br/>         AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.</p> <p><b>811</b></p> <p>OR</p> <p><b>1-800-227-2600</b></p> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



# CONSTRUCTION NOTES

1. INSTALL 2" ASPHALT PAVEMENT OVER 4" TYPE II AGGREGATE BASE
2. INSTALL 3" ASPHALT PAVEMENT OVER 4" TYPE II AGGREGATE BASE
3. INSTALL A TYPE CURB PER CCAUSD NO. 219
4. INSTALL L TYPE CURB PER CCAUSD NO. 216
5. INSTALL ROLL TYPE CURB PER CCAUSD NO. 217.2/51
6. INSTALL 10' CURB TRANSITION FROM ROLLED CURB TO L TYPE CURB PER DETAIL 10 SHEET D-1
7. INSTALL 4" WIDE SIDEWALK PER CCAUSD NO. 234 (4" THICK)
8. SAWCUT AND MATCH EXISTING IMPROVEMENT PER CCAUSD NO. 300.3, 500.4 AND 500.5
9. INSTALL 8" CROSS GUTTER PER CCAUSD NO. 228
10. INSTALL WROUGHT IRON GATE
11. INSTALL 5" WIDE SIDEWALK PER CCAUSD NO. 234 (4" THICK)
12. REMOVE EXISTING AC AND REPLACE
13. CONSTRUCT CROSS GUTTER PER CCAUSD NO. 228 & 229
14. CONSTRUCT SIDEWALK RAMPS USING ARMOR TILE (TRUNCATED CONE) PER CCAUSD NO. 235, CASE 1 & 235.1
15. INSTALL 6" HIGH TUBULAR STEEL 12" MIN WIDTH DOUBLE GATES PER DETAIL 14 SHEET D-1
16. INSTALL 5" ASPHALT PAVEMENT WITH 6" TYPE II AGGREGATE BASE OVER 6" TYPE I AGGREGATE BASE
17. REMOVE EXISTING 7" CURB AND INSTALL COMMERCIAL DRIVEWAY AND CURB TRANSITIONS PER CCAUSD #224 WITH CRASH GATE
18. REMOVE AND REPLACE EXISTING SIDEWALK AT COMMERCIAL DRIVEWAY
19. INSTALL SIDEWALK UNDERDRAIN PER CCAUSD NO. 236
20. INSTALL DRAIN PIPE PER DETAIL 18 ON SHEET D-1
21. REMOVE EXISTING AC

## DISCLAIMER NOTE

- 1) EXISTING UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.
- 2) FOR ROADWAY WIDENING AND HALF STREET IMPROVEMENTS THE CONTRACTOR SHALL VERIFY CROSS SLOPES FROM EXISTING PAVEMENT SAWCUT LINE TO PROPOSED EDGE OF PAVEMENT OR PROJECTED JUMP OF CURB PRIOR TO SUBGRADE PREPARATION AND CONSTRUCTION OF PROPOSED CURB LINE. IF MINIMUM OR MAXIMUM CROSS SLOPES DO NOT MEET AGENCY STANDARDS THE CONTRACTOR SHALL NOTIFY THE ENGINEER.

## GENERAL NOTES

1. FINAL GRADES ADJACENT TO STRUCTURES SHALL BE IN CONFORMANCE WITH IBC 2012, SECTION 2304.11.2.2.
2. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AND REPORT ALL DISCREPANCIES TO THE ENGINEER.
3. ALL IMPROVEMENTS TO BE PROTECTED FROM EROSION BY SWPPP.
4. MAXIMUM/MINIMUM SLOPES AND MINIMUM STREET SECTIONS NOT TO EXCEED THAT SHOWN ON GEOTECH REPORT.
5. SEE DETAIL SHEET FOR STREET SECTIONS AND DETAILS.
6. ALL PUBLIC AND PRIVATE DRAINAGE IMPROVEMENTS TO BE BONDED FOR AND INSPECTED.
7. CONSTRUCTION OF BLOCK WALLS REQUIRES A SEPARATE BUILDING PERMIT AND APPROVAL BY THE CLARK COUNTY BUILDING DEPARTMENT.
8. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING UTILITY STRUCTURES AND FACILITIES AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION. CONTRACTOR TO PROTECT IN PLACE DURING CONSTRUCTION. ENGINEER/OWNER SHALL BE NOTIFIED OF PRIOR DAMAGE TO EXISTING FACILITIES PRIOR TO CONSTRUCTION. CONTRACTOR WILL BE RESPONSIBLE FOR REPAIR/REPLEATING FACILITIES IF ENGINEER/OWNER IS NOT NOTIFIED OF EXISTING DAMAGE PRIOR TO CONSTRUCTION COMMENCING.
9. NO STRUCTURE, VEGETATION, OR OBJECTS OF ANY KIND IS PERMITTED OVER TWENTY-FOUR (24) INCHES IN HEIGHT (MEASURED TO THE TOP OF THE EXISTING CURB IF CURB EXISTS) WITHIN THE SIGHT VISIBILITY ZONES.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| <b>CLARK COUNTY DEPARTMENT OF<br/>PUBLIC WORKS DEVELOPMENT REVIEW</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |
| <b>ACCEPTANCE OF PLANS FOR FILING</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |
| <b>BY</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <br> |
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## BASIS OF BEARINGS

NORTH 00°54'51" EAST, BEING THE BEARING OF THE EAST LINE OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 6, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF IN BOOK 152, PAGE 59 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

| CURVE TABLE |         |         |            |         |
|-------------|---------|---------|------------|---------|
| CURVE       | LENGTH  | RADIUS  | DELTA      | TANGENT |
| C1          | 16.83'  | 19.50'  | 49°27'32"  | 8.98'   |
| C2          | 197.15' | 40.50'  | 278°55'00" | 34.64'  |
| C3          | 16.83'  | 19.50'  | 49°27'30"  | 8.98'   |
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| C7          | 30.26'  | 20.00'  | 86°41'27"  | 18.86'  |
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## SEWER NOTES

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2. CONNECT TO EXISTING SEWER
5. INSTALL 48" DIAMETER (PUBLIC) SHALLOW SANITARY SEWER MANHOLE WITH PRECAST BASE PER DCSWCS, SD-13 "B", SD-1A, AND SD-1B (SINGLE 24" LID)

# LEGEND

|  |                                     |
|--|-------------------------------------|
|  | MATCHLINE                           |
|  | ROADWAY CENTERLINE                  |
|  | RIGHT-OF-WAY                        |
|  | PROPERTY LINE                       |
|  | CURB AND GUTTER                     |
|  | FLOWLINE                            |
|  | EX. EDGE OF PAVEMENT (EP)           |
|  | SAWCUT LINE PER CCAUSD NO. 303      |
|  | PROPOSED ELEVATION                  |
|  | EXISTING ELEVATION                  |
|  | EXISTING CONTOUR (5-FT)             |
|  | EXISTING CONTOUR (1-FT)             |
|  | CUT/FILL TRANSITION LINE            |
|  | FIRE HYDRANT ASSEMBLY               |
|  | SIGHT VISIBILITY ZONE               |
|  | PONY RETAINING WALL                 |
|  | RETAINING WALL                      |
|  | DECORATIVE PERIMETER RETAINING WALL |
|  | DECORATIVE PERIMETER RETAINING WALL |

SEE SHEET C-3 FOR ABBREVIATIONS AND QUANTITIES

**BENCHMARK**

BENCHMARK NUMBER: 9LV007NNW6

RIVET AND PLATE IN TOP OF CURB AT SOUTHEAST CORNER OF ALEXANDER AND JENSEN.

ELEVATION = 2620.16 FEET, 798.626 METERS  
N.A.D 88 DATUM

PER CITY OF LAS VEGAS ONLINE BENCHMARK BOOK.

**FAST**

Call before you UnderGround

**1-702-432-5300**

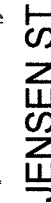
**FREeway & ARterial SYSTEM OF TRANSPORTATION (F.A.S.T.)**

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.

CALL BEFORE YOU DO OVERHEAD

1-702-227-2929

Call before you Dig  
AVOID CUTTING UNDERGROUND  
UTILITY LINES. IT'S COSTLY.  
Call  
**811**  
OR  
1-800-227-2600



CAUTION: HIGH PRESSURE GAS!!  
CALL SOUTHWEST GAS AT 702-400-1789 FOR STANDBY  
WHEN EXCAVATING OVER OR NEAR HIGH PRESSURE GAS  
LINES 48 HOURS PRIOR TO CONSTRUCTION.

- 1) INSTALL 2" ASPHALT PAVEMENT OVER 4" TYPE II AGGREGATE BASE
- 2) INSTALL 3" ASPHALT PAVEMENT OVER 4" TYPE II AGGREGATE BASE
- 3) INSTALL A TYPE CURB PER CCAUSD NO. 219
- 4) INSTALL L TYPE CURB PER CCAUSD NO. 216
- 5) INSTALL ROLL TYPE CURB PER CCAUSD NO. 217.2.51
- 6) INSTALL 10' CURB TRANSITION FROM ROLLED CURB TO TYPE CURB PER DETAIL TO SHEET D-1
- 7) INSTALL 4" WIDE SIDEWALK PER CCAUSD NO. 234 (4" THICK) SAWCUT AND MATCH EXISTING IMPROVEMENT PER CCAUSD NO. 500.3, 500.4 AND 500.5
- 8) INSTALL 8" CROSS GUTTER PER CCAUSD NO. 228
- 9) INSTALL WROUGHT IRON GATE
- 10) INSTALL 5" WIDE SIDEWALK PER CCAUSD NO. 234 (4" THICK)
- 11) REMOVE EXISTING AC AND REPLACE
- 12) CONSTRUCT CROSS GUTTER PER CCAUSD NO. 228 & 229
- 13) CONSTRUCT SIDEWALK RAMPS USING ARMOR CURE TRUNCATED DOWNS OR EQUIVALENT PER CCAUSD NO. 230. CASE 1 & 235.1
- 14) INSTALL 1" HIGH TUBULAR STEEL 12" MIN WIDTH DOUBLE GATES PER DETAIL 14 SHEET D-1
- 15) INSTALL 5" ASPHALT PAVEMENT WITH 6" TYPE II AGGREGATE BASE OVER 4" TYPE I CURB AND BASE
- 16) REMOVE EXISTING 1" GATE AND INSTALL COMMERCIAL DRIVEWAY AND CURB TRANSITIONS PER CCAUSD #224 WITH CRASH GATE
- 17) REMOVE AND REPLACE EXISTING SIDEWALK AT COMMERCIAL DRIVEWAY
- 18) INSTALL SIDEWALK UNDERDRAIN PER CCAUSD NO. 236
- 19) INSTALL DRAIN PIPE PER DETAIL 18 ON SHEET D-1
- 20) REMOVE EXISTING AC

OWNER RESPONSIBLE TO PROVIDE SURVEY MONUMENTATION AS SHOWN  
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BY \_\_\_\_\_

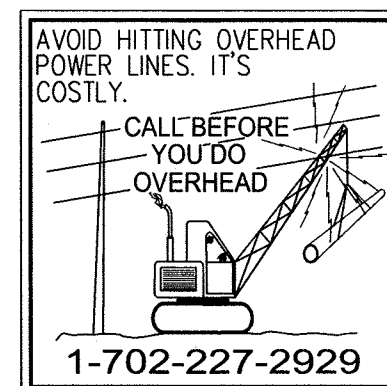
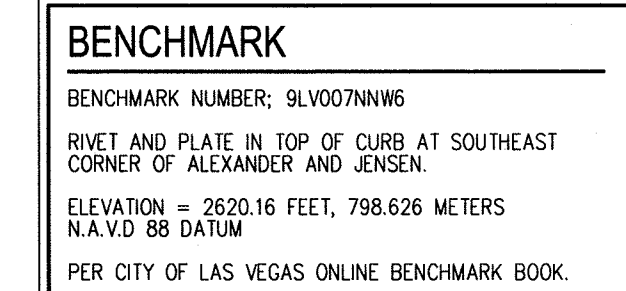
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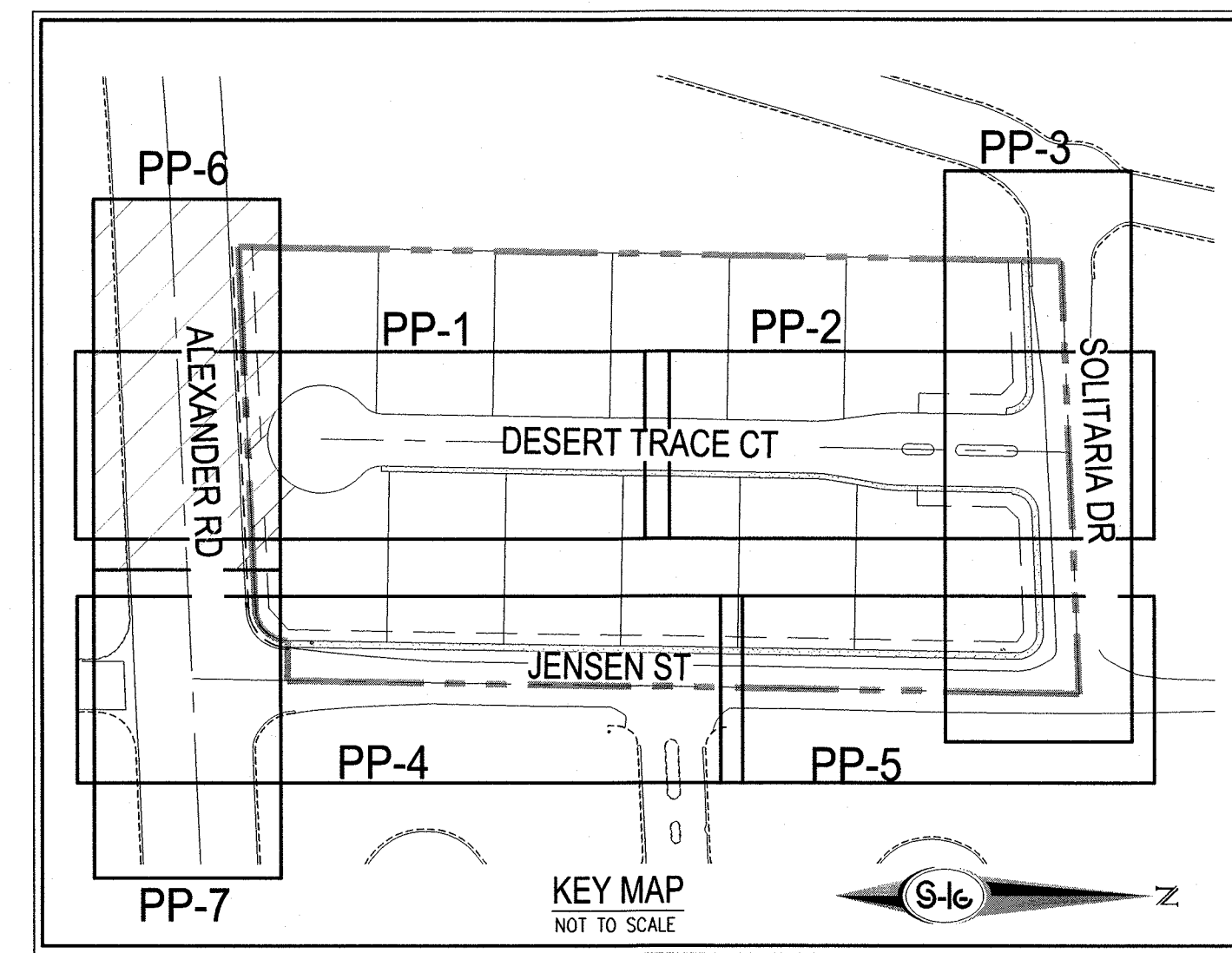
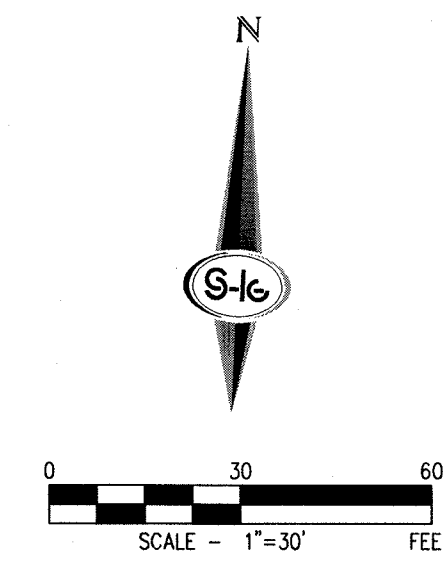
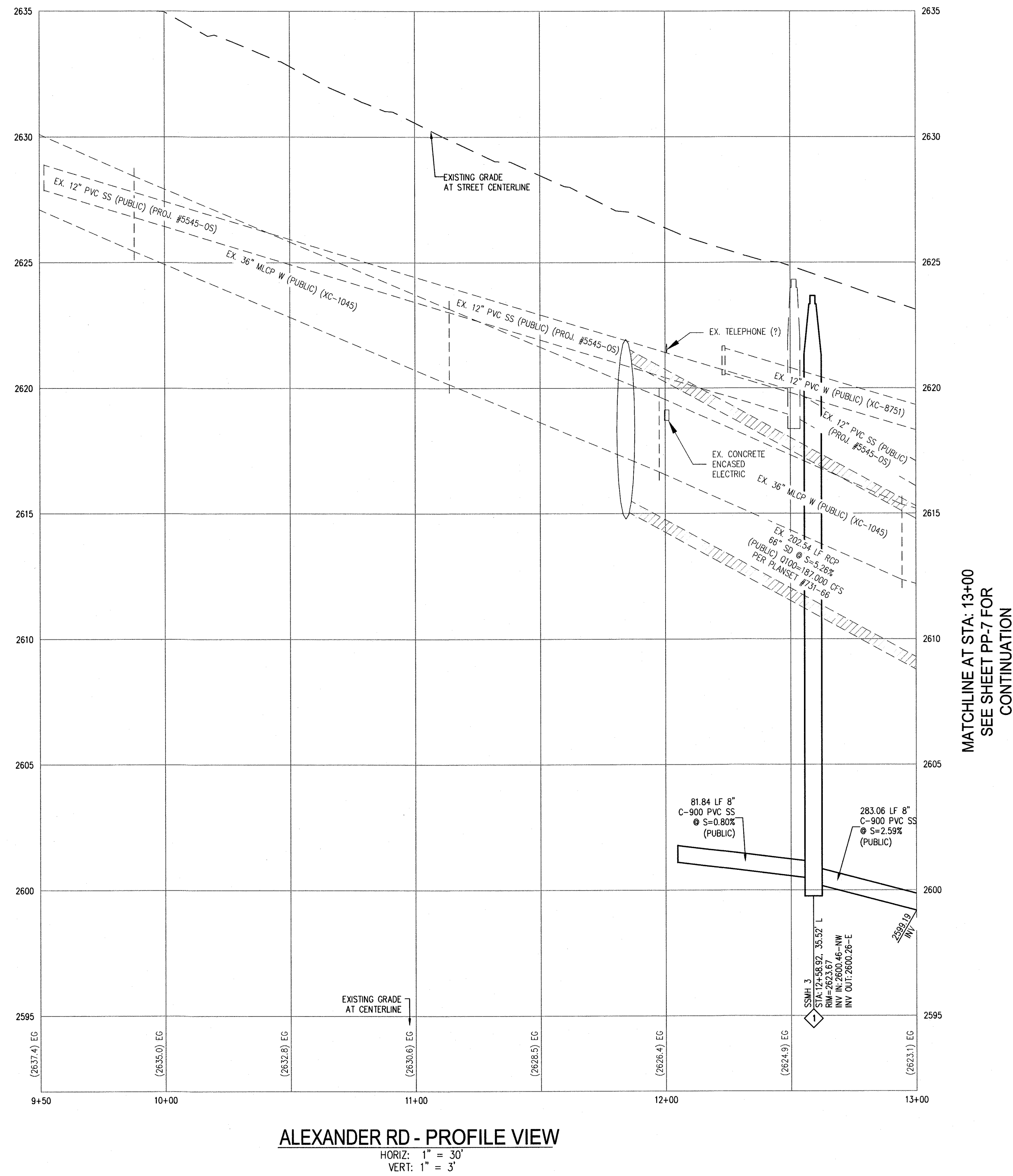
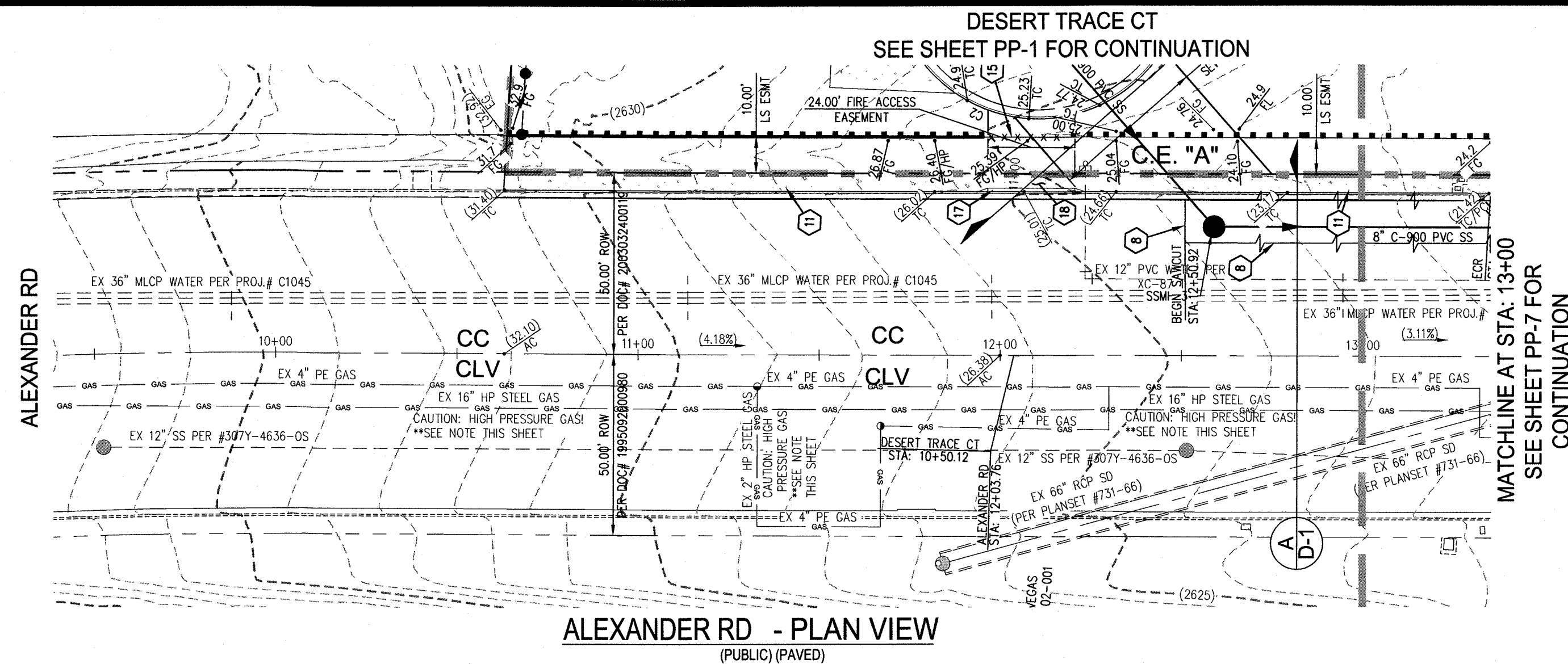
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  - 3 INSTALL A TYPE CURB PER CCAUSD NO. 219
  - 4 INSTALL L TYPE CURB PER CCAUSD NO. 216
  - 5 INSTALL ROLL TYPE CURB PER CCAUSD NO. 217.2.51
  - 6 INSTALL 10' CURB TRANSITION FROM ROLLED CURB TO TYPE CURB PER DETAIL 10 SHEET D-1
  - 7 INSTALL 4" WIDE SIDEWALK PER CCAUSD NO. 234 (4" THICK)
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  - 9 INSTALL 8" CROSS GUTTER PER CCAUSD NO. 228
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  - 11 INSTALL 5.5" WIDE SIDEWALK PER CCAUSD NO. 234 (4" THICK)
  - 12 REMOVE EXISTING AC AND REPLACE
  - 13 CONSTRUCT CROSS GUTTER PER CCAUSD NO. 228 & 229
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  - 16 INSTALL 5.5" ASPHALT PAVEMENT WITH 6" TYPE II AGGREGATE BASE OVER 6" TYPE I AGGREGATE BASE
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  - 19 INSTALL SIDEWALK UNDERDRAIN PER CCAUSD NO. 236
  - 20 INSTALL DRAIN PIPE PER DETAIL 18 ON SHEET D-1
  - 21 REMOVE EXISTING AC

**SURVEY NOTE**

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7. CONSTRUCTION OF BLOCK WALLS REQUIRES A SEPARATE BUILDING PERMIT AND APPROVAL BY THE CLARK COUNTY BUILDING DEPARTMENT.
8. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING UTILITY STRUCTURES AND FACILITIES AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION. CONTRACTOR TO PROTECT IN PLACE DURING CONSTRUCTION. ENGINEER/OWNER SHALL BE NOTIFIED OF PRIOR DAMAGE TO EXISTING FACILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR/REPLETING FACILITIES IF ENGINEER/OWNER IS NOT NOTIFIED OF EXISTING DAMAGE PRIOR TO CONSTRUCTION COMMENCING.
9. NO STRUCTURE, VEGETATION, OR OBJECTS OF ANY KIND IS PERMITTED OVER TWENTY-FOUR (24) INCHES IN HEIGHT (MEASURED FROM THE TOP OF THE EXISTING CURB IF CURB EXISTS) FROM THE VISIBILITY ZONES.

|                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CLARK COUNTY DEPARTMENT OF<br/>PUBLIC WORKS DEVELOPMENT REVIEW</b>                                                                                                 |                                                                                                                                                                                                                                                                                                                                                |
| ACCEPTANCE OF PLANS FOR FILING                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                |
| BY _____                                                                                                                                                              | ACCEPTANCE OF THESE PLANS FOR FILING SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS AND/OR SPECIFICATIONS CLARK COUNTY SHALL BE HELD FREE FROM DAMAGES WHICH MAY RESULT FROM THE CONSTRUCTION OF THE IMPROVEMENTS FROM THE ENGINEERING DESIGN DEPICTED HEREIN. |
| NOTE: POWER POLES AND/OR OTHER EXISTING FACILITIES NOT IN PROPER LOCATION BASED ON PROPOSED IMPROVEMENTS SHOWN HEREON WILL BE RELOCATED AT NO EXPENSE TO CLARK COUNTY |                                                                                                                                                                                                                                                                                                                                                |

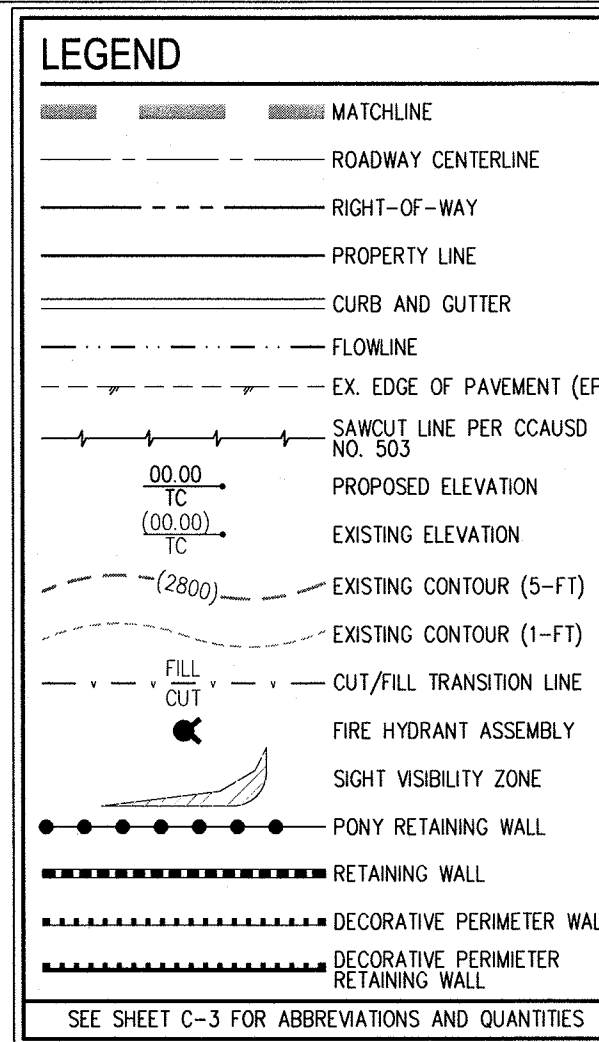
## BASIS OF BEARINGS

NORTH 00°54'51" EAST, BEING THE BEARING OF THE EAST LINE OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 6, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF IN BOOK 152, PAGE 59 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, NEVADA.

| CURVE TABLE |         |         |            |         |
|-------------|---------|---------|------------|---------|
| CURVE       | LENGTH  | RADIUS  | DELTA      | TANGENT |
| C1          | 16.83'  | 19.50'  | 49°27'32"  | 8.98'   |
| C2          | 197.15' | 40.50'  | 278°55'00" | 34.64'  |
| C3          | 16.83'  | 19.50'  | 49°27'30"  | 8.98'   |
| C4          | 14.84'  | 97.50'  | 8°43'16"   | 7.43'   |
| C5          | 15.60'  | 102.50' | 8°43'16"   | 7.82'   |
| C6          | 32.56'  | 20.00'  | 93°18'33"  | 21.18'  |
| C7          | 30.26'  | 20.00'  | 86°41'27"  | 18.99'  |
| C8          | 15.60'  | 102.50' | 8°43'16"   | 7.82'   |
| C9          | 14.84'  | 97.52'  | 8°43'11"   | 7.43'   |
| C10         | 32.56'  | 20.00'  | 93°16'52"  | 21.18'  |
| C11         | 45.29'  | 20.00'  | 86°29'26"  | 28.22'  |

- ## SEWER NOTES

  1. INSTALL 72" DIAMETER (PUBLIC) SANITARY SEWER MANHOLE WITH PRECAST BASE PER DCSWCS 2.2.9, SD-1A, SD-1B, SD-4 & SD-9 (SINGLE 24" LID)
  2. CONNECT TO EXISTING SEWER
  5. INSTALL 48" DIAMETER (PUBLIC) SHALLOW SANITARY SEWER MANHOLE WITH PRECAST BASE PER DCSWCS SD-13 "B", SD-1A, AND SD-1B (SINGLE 24" LID)



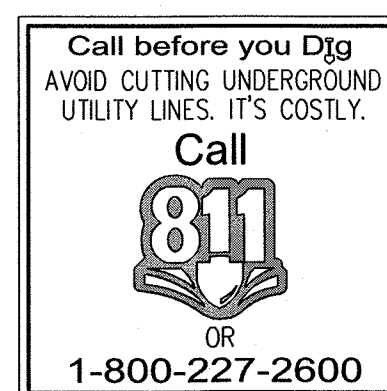
**BENCHMARK**

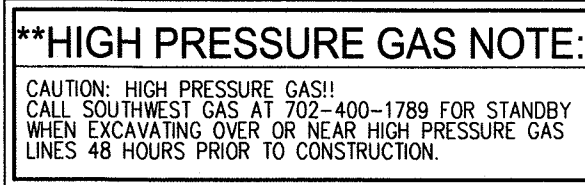
BENCHMARK NUMBER: 9LV007NNW6

RIVET AND PLATE IN TOP OF CURB AT SOUTHEAST  
CORNER OF ALEXANDER AND JENSEN.

ELEVATION = 2620.16 FEET, 798.626 METERS  
N.A.V.D 88 DATUM

PER CITY OF LAS VEGAS ONLINE BENCHMARK BOOK.





- 1 INSTALL 2" ASPHALT PAVEMENT OVER "A" TYPE II AGGREGATE BASE
- 2 INSTALL 3" ASPHALT PAVEMENT OVER "A" TYPE II AGGREGATE BASE
- 3 INSTALL A TYPE CURB PER CCAUSD NO. 219
- 4 INSTALL L TYPE CURB PER CCAUSD NO. 216
- 5 INSTALL ROLL TYPE CURB PER CCAUSD NO. 217,2.S1
- 6 INSTALL 10" THICK TRANSITION FROM ROLLED CURB TO LTYPE CURB PER DETAIL 10 SHEET D-1
- 7 INSTALL 4" WIDE SIDEWALK PER CCAUSD NO. 234 (\* THICK)
- 8 SAWCUT AND MATCH EXISTING IMPROVEMENT PER CCAUSD NO. 500.3, 500.4 AND 500.5
- 9 INSTALL 8" CROSS GUTTER PER CCAUSD NO. 228
- 10 INSTALL WROUGHT IRON GATE
- 11 INSTALL 5" WIDE SIDEWALK PER CCAUSD NO. 234 (\* THICK)
- 12 REMOVE EXISTING AC AND REPLACE
- 13 CONSTRUCT CROSS GUTTER PER CCAUSD NO. 228 & 229
- 14 CONSTRUCT SIDEWALK RAMPS USING ARMOR TILE TRUNCATED DOMES OR EQUIVALENT PER CCAUSD NO. 235, CASE 1 & 235.1
- 15 INSTALL 6" THICK SUBULAR STEEL 12" MIN WIDTH DOUBLE GATES PER DETAIL 11 SHEET D-1
- 16 INSTALL S1" ASPHALT PAVEMENT WITH "B" TYPE II AGGREGATE BASE OVER "B" TYPE I AGGREGATE BASE
- 17 REMOVE EXISTING "L" CURB AND INSTALL COMMERCIAL DRIVEWAY AND CURB TRANSITIONS PER CCAUSD 222.4 WITH CRASH GATE PER DETAIL 12 SHEET D-1
- 18 INSTALL SIDEWALK UNDERDRAIN PER CCAUSD NO. 236
- 19 INSTALL DRAIN PIPE PER DETAIL 18 ON SHEET D-1
- 20 REMOVE EXISTING AC

## SURVEY NOTE

OWNER RESPONSIBLE TO PROVIDE SURVEY MONUMENTATION AS SHOWN  
AND TO REPLACE ALL SURVEY MONUMENTATION DAMAGED, DISTURBED,  
DESTROYED, OR OBSCURED DURING CONSTRUCTION.

## DISCLAIMER NOTE

- 1) EXISTING UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.
- 2) FOR ROADWAY WIDENING AND HALF STREET IMPROVEMENTS THE CONTRACTOR SHALL VERIFY CROSS SLOPES FROM EXISTING PAVEMENT SLOPE LINE TO PROPOSED EDGE OF PAVEMENT OR PROJECTED CURB OR CURB PRIOR TO SUBGRADE PREPARATION AND CONSTRUCTION OF PROPOSED CURB LINE. IF MINIMUM OR MAXIMUM CROSS SLOPES DO NOT MEET AGENCY STANDARDS THE CONTRACTOR SHALL NOTIFY THE ENGINEER.

## GENERAL NOTES

1. FINAL GRADES ADJACENT TO STRUCTURES SHALL BE IN CONFORMANCE WITH IBC 2012, SECTION 2304.11.2.
2. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AND REPORT ALL DISCREPANCIES TO THE ENGINEER.
3. ALL IMPROVEMENTS TO BE PROTECTED FROM EROSION BY SWPPP.
4. MAXIMUM/MINIMUM SLOPES AND MINIMUM STREET SECTIONS NOT TO EXCEED THAT SHOWN ON GEOTECH REPORT.
5. SEE DETAIL SHEET FOR STREET SECTIONS AND DETAILS.
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## CLARK COUNTY DEPARTMENT OF PUBLIC WORKS DEVELOPMENT REVIEW

## ACCEPTANCE OF PLANS FOR FILING

BY \_\_\_\_\_

ACCEPTANCE OF THESE PLANS FOR FILING SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS AND/OR SPECIFICATIONS CLARK COUNTY SHALL BE HELD FREE FROM DAMAGES WHICH MAY RESULT FROM THE CONSTRUCTION OF THE IMPROVEMENTS FROM THE ENGINEERING DESIGN DEPICTED HEREIN.

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HORIZ: 1" = 30'  
VERT: 1" = 3'

