

Job No.: 101081

Date: 1/19/2011



TRANSMITTAL

City of Las Vegas Public Works Department

(Flood Control division)

731 South Fourth Street

Las Vegas, NV 89101

T 702-365-9312 | F 702-365-9317

6345 S Jones Blvd, Suite 100

Las Vegas, NV 89118

Attention: Mr. Albert Sung, P.E.

Sent By:

- ☒ Our Messenger
☐ Your Messenger
☐ U.S. Mail
☐ Overnight Delivery

RE: Technical Drainage Study for Faith Lutheran High School Soccer Field

TRANSMITTED: ☐ Prints ☐ Shop Drawings ☐ Calcs ☐ Specs ☒ Other

Copies	Sheet No.	Description
1	Copy	TDS, Addendum #1 and #2 with Drainage Maps
1	Set	CCPW Drainage Approved Grading Plans and Details
1	Copy	\$400.00 (Faith Lutheran JR. SR. High School, Check #34586-Submittal Fee)

☐ For your use ☐ Review as noted ☐ Per your request ☐ Approved and return ____ copies

REMARKS: For Your Review and Approval

Sent By: Stanley Okey Amadi

Received By:

Technical Drainage Study For Faith Lutheran High School Soccer Field (ADDENDUM #2)

JOB# 101081

January 2011

Prepared for:

Faith Lutheran High School
2015 South Hualapai Way
Las Vegas, Nevada 89117
(702) 804-4402

Prepared By:
LOCHSA ENGINEERING
6345 South Jones Boulevard
Suite 100
Las Vegas, Nevada 89118
(702) 365-9312

HYDROLOGIC CRITERIA AND DRAINAGE MANUAL
DRAINAGE STUDY INFORMATION FORM

Name of Development: Faith Lutheran High School Soccer Field Date: January 06, 2011
Location of Development: a) Descriptive (Cross Streets) North/South: Hualapai Way
East/West: Homestretch Drive
b) Section: 01 Township: 21 South Range: 59 East
c) APN : 164-01-501-001 and a portion of 164-01-601-001

Name of Owner: Faith Lutheran High School Board
Telephone No.: (702) 804-4402 Fax No.: (702) 804-4493 E-Mail Address: _____
Address: 2015 South Hualapai Way, Las Vegas, Nevada 89117

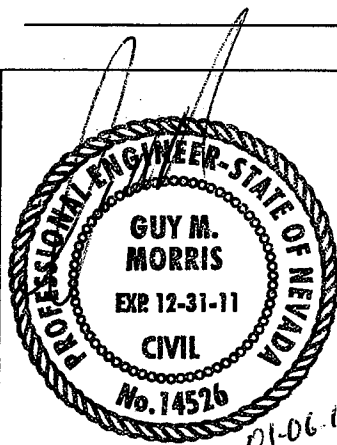
Contact Person-Name: Stanley Okey Amadi Telephone No.: (702) 365-9312
* E-Mail Address: stanley@lochsa.com Fax No.: (702) 365-9317
Firm: Lochsa Engineering
Address: 6345 South Jones Boulevard, Suite 100, Las Vegas, Nevada 89118

Type of Land Development/Land Disturbance Process:

☐ Rezoning	☐ Subdivision Map*	☐ Clearing and Grading Only
☐ Parcel Map	☐ Planned Unit Development	☐ Other (Please specify below)
☐ Large Parcel Map	☒ Building Permit	

1. Total Owned Land Area: At Site: 38.56 +/- Acres Being Developed/Disturbed: 8.11 +/- 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.): Public High School (Soccer Field Addition)
5. Approximate upstream land area which drains to the subject site: 70 +/- Acres
6. Has the site drainage been evaluated in the past? ☒ YES ☐ NO If yes, please identify documentation: _____
Technical Drainage Study for Faith Lutheran Junior/Senior High School (HTE #97-7046)
7. If known, please briefly identify the proposed discharge point(s) of runoff from the site: To the east towards Hualapai Way

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



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.

Local Entity File No.	Revision	Date

REFERENCE:

STANDARD FORM 1

January 06, 2011

Mr. Layne W. Weber, P.E., CFM
Clark County Public Works Department
500 South Grand Central Parkway
Las Vegas, Nevada 89155

**Subject: Technical Drainage Study for Faith Lutheran High School Soccer Field
HTE #10-31779
Lochsa Job #101081**

Dear Mr. Weber:

This submittal is intended as Addendum #2 to address the proposed 750 sq-ft., addition to the existing Gymnasium Building, and provide clarifications as requested in the attached e-mail of January 03, 2011 from Mr. Wade Gerstenkorn. The items that required clarification as stated in the subject e-mail have been restated below followed by our respective responses.

Comment 1: The onsite detention basin (where located, how much flow, weir or spillway elevation, flow path).

Response 1: The onsite detention basin is located at the intersection of Indigo Drive and Sandstone Bluffs Drive just downstream of the Summerlin Village 13 detention basin. The detention basin also contains the existing basket ball courts. Please refer to the referenced Drainage Sub-basin Map (Figure 5) and the Grading Plan V (Sheet C9) from the original study HTE #97-7046 provided with the last submittal. The onsite detention basin was originally intended to mitigate the spillway overflow (90 cfs) from the Summerlin Village 13 detention basin. However, modifications to the Summerlin Village 13 detention basin have completely eliminated the spillway overflow. Thus, the only flows impacting the onsite detention basin consist of basin ON1 (6/14 cfs) as analyzed in the original study. These flows are very minimal and will never crest the banks of the detention basin which is set at approximately 2935-foot elevation. However, as stated in the response to Comment #2 of the previous submittal, the overflow path for the basin will still be on the surface above the storm drain and in the alignment of the drainage easement.

Comment 2: Revise plan callouts for public drainage easements to include "with access thereto".

Response 2: Noted. The grading plan callouts for the public drainage easements have been revised as noted. Please refer to the revised plans provided with this submittal.

Comment 3: Provide the latest approved zoning requirements.

Response 3: Please refer to the appendix for the latest 'Notice of Final Action' (Reference #DR-0525-10) dated January 03, 2011 for the site.

Comment 4: Verify proposed FF elevation is above emergency overflow depth and all other typical criteria, 6-inches above FL/HP etc.

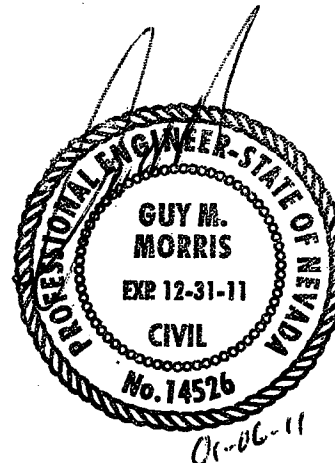
Response 4: Verified as noted. The finished floor elevation of the proposed addition matches that of the existing Gymnasium Building at 2937-feet.

We believe that the above responses coupled with the revised plans have adequately clarified the items of concerns from your e-mail memorandum. Please do not hesitate to contact our office at your earliest convenience, if you have any further concerns.

Sincerely,
LOCHSA ENGINEERING



Stanley Okey Amadi
Civil Designer



From: "Wade Gerstenkorn" <wade@ClarkCountyNV.gov>
To: "Stanley AMADI" <STANLEY@lochsa.com>
CC: "Layne Weber" <wlweber@ClarkCountyNV.gov>, "Wade Gerstenkorn" <wade@Clar...
Date: 1/3/2011 10:58 AM
Subject: 10-31779 Faith Luth High Soccer Field

Stanley, I got your phone message. We had finished the study review and were approving it. However, lucky you called today or this change would have been an Update not an Addendum.

We will need you to submit Addendum #2 with fees to address the proposed building. We would also like clarification on:

1. The onsite detention basin (where located, how much flow, weir or spillway elevation, flow path).
2. Revise plan callouts for the public drainage easements to include "with access thereto".
3. Provide the latest approved zoning requirements.
4. Verify proposed FF elevation is above the emergency overflow depth and all other typical criteria, 6-inches above FL/HP etc.

Wade Gerstenkorn
Associate (Flood Control)
Clark County Public Works
Development Review
(702) 455-4899
(702) 380-9747 fax
wade@clarkcountynv.gov



Department of Comprehensive Planning Land Use Planning

500 S Grand Central Pky • Box 551744 • Las Vegas NV 89155-1744
(702) 455-4314 • Fax (702) 455-3271

Nancy Lipski, Director

NOTICE OF FINAL ACTION

January 3, 2011

KGA ARCHITECTURE
NATHAN GOODMAN
9075 W. DIABLO DR. 3RD FL
LAS VEGAS, NV 89148

REFERENCE: DR-0525-10

On the date indicated above, a Notice of Final Action was filed with the Clark County Clerk, Commission Division, pursuant to NRS 278.0235 and marking the commencement of the twenty-five (25) day limitation period specified therein.

The above referenced application was presented before the Clark County Board of County Commissioners at their regular meeting of December 22, 2010 and was **APPROVED** subject to the conditions listed below and/or on the attached sheet. You will be required to comply with all conditions prior to the issuance of a building permit or a business license whichever occurs first.

Time limits to commence, complete or review this approval apply only to this specific application. A property may have several approved applications on it; each will have its own expiration date. It is the applicant's responsibility to keep the application current, and also provide a current contact name, address, and phone number to this department at the above address. This information must be submitted in writing with the application number referenced.

CONDITIONS:

Major Projects - Planning

- All applicable standard conditions for this application type.
- Applicant is advised that any change in circumstances or regulations may be justification for the denial of an extension of time; and that this application must commence within 1 year of approval date or it will expire.

Public Works - Development Review

- Drainage study and compliance.

BOARD OF COUNTY COMMISSIONERS
RORY REID, Chairman • SUSAN BRAGER, Vice-Chair
LARRY BROWN • TOM COLLINS • CHRIS GIUNCHIOLANI • STEVE SISOLAK • LAWRENCE WEEKLY
VIRGINIA VALENTINE, P.E., County Manager

TITLE 29 STANDARD CONDITIONS

IN ADDITION to staff comments and/or recommendations, all land use application approvals require conformance to the following standard conditions for each application type:

ALL APPLICATIONS:

1. Development of the property must conform to the plans as submitted with revisions as specified by the Board of County Commissioners and/or Planning Commission.

Administrative Design Review, Design Review, Use Permit, Variance, Waiver, and Zone Change:

1. **Administrative Design Review, Design Review, Use Permit, or Variance.** The application will expire in one year at 5:00 p.m. on the expiration date unless the use or construction is commenced or unless a different time period is stated in the conditions of approval (holidays and weekends will not extend the expiration day). Any extension of time must be applied for prior to 5:00 p.m. on the expiration date.
2. **Waiver of Off-Site Improvement Permit(s).** This application will expire in two years at 5:00 p.m. on the expiration date unless a different time period is stated in the conditions of approval (holidays and weekends will not extend the expiration day).
3. **Zone Change Not Subject to a Resolution of Intent.** The zoning will not expire, nor will any associated applications (except tentative maps and vacation and abandonment applications), unless otherwise stated in the conditions of approval.
4. **Zone Change Subject to a Resolution of Intent and any associated applications.** The property owner must execute a resolution of intent and complete construction per Section 29.04.080 of the Clark County Zoning Code, including compliance with all conditions; otherwise, the application(s) will expire in two years at 5:00 p.m. on the expiration date (holidays and weekends will not extend the expiration day). Any extension of time must be applied for prior to 5:00 p.m. on the expiration date.
5. All conditions of approval, applicable state statutes, and local ordinances must be satisfied, including all applicable Building and Fire Code requirements, prior to recording a map or issuance of a building permit, certificate of occupancy, or business license, whichever is required.
6. All new construction requires building permits in accordance with all applicable Building and Fire Codes and submission of a plot and grading plan prepared by a registered professional civil engineer showing property lines, building locations, topography and such other data as required by the Department of Development Services.
7. If the property is located within one mile of the boundary of public sewage treatment facility, an odor easement must be executed with the Clark County Water Reclamation District.
8. All geologic hazards must be plotted on a plot plan, and habitable structures shall comply with the restrictions specified in all applicable Building and Fire Codes.
9. Drainage and/or traffic studies must be submitted and approved and all improvements must comply with the approved studies. Further, street and flood channel dedication and/or improvements will be required.
10. If the property is located in a flood zone, a drainage study must be submitted to and approved by the Regional Flood Control District prior to any permits being issued.
11. Fire hydrants must be provided in compliance with Fire Department specifications, and a three foot fire hydrant easement is required behind all street frontage lot lines. Waivers of street improvements do not waive fire hydrant requirements.
12. All necessary utility easements will be retained or reserved.
13. Mobile homes and/or manufactured housing require building permits before they are moved and inspection for the Nevada Safety Seal prior to occupancy.
14. Approval of this application does not constitute approval of a liquor or gaming license or any other County issued permit, license, or approval.
15. The Board of County Commissioners and/or the Planning Commission have no authority to grant, promise, or commit water service. Approval of this application does not constitute any commitment for water service or any commitment for priority status for future water service.

continued

TITLE 29 STANDARD CONDITIONS

Street Name, Street Name Change, and Street Address System Change:

1. Applicant is responsible for street name signs in accordance with Clark County Standards.

Extensions of Time:

1. Unless otherwise stated, the original expiration day continues to be in effect.
2. This application will expire at 5:00 p.m. on the specified expiration date unless the use or construction is commenced (construction must be completed for the zone change extensions) or unless a different time period is stated in the conditions of approval (holidays and weekends will not extend the expiration day). All extensions must be applied for prior to 5:00 p.m. on the expiration date.
3. All conditions imposed on the original approval and any new conditions must be satisfied.

Waiver of Conditions

1. All original conditions of approval are still in effect unless waived or amended.

Tentative/Final Map:

1. **Tentative Map.** This application will expire at 5:00 p.m. in four years from the date on which the Board of County Commissioners or Planning Commission took action unless a Final Map is recorded on all or part of the subdivision (holidays and weekends will not extend the expiration day).
2. If the property is located within one mile of the boundary of public sewerage treatment facility, an odor easement must be executed.
3. All geologic hazards must be plotted on a plot plan, and habitable structures shall comply with the restrictions specified in all applicable Building and Fire Codes.
4. Drainage and/or traffic studies must be submitted and approved and all improvements must comply with the approved studies. Further, street and flood channel dedication and/or improvements may be required.
5. All necessary utility easements will be retained or reserved. The property owner(s) must execute a Resolution of Intent if required.
6. If the Final Map requires approval by Planning Commission, drainage and traffic studies must be submitted and approved prior to Planning Commission approval.
7. If the Final Map requires approval by the Board of County Commissioners and its boundaries are located within a flood zone, a drainage study must be submitted and approved by the Regional Flood Control District prior to the Final Map being scheduled for consideration by the Board.
8. All conditions of approval, applicable state statutes, and local ordinances must be satisfied, including all applicable Building and Fire Code requirements prior to recording the Final Map.
9. Approval of this application does not constitute approval of a liquor or gaming license or any other County issued permit, license, or approval.
10. The Board of County Commissioners and/or the Planning Commission have no authority to grant, promise or commit water service. Approval of this application does not constitute any commitment for water service or any commitment for priority status for future water service.
11. Plotting or relinquishing all utility easements.
12. Post Office and Fire Department approval of all street names.
13. If applicable, all beneficiaries of record to sign a consent statement to record with the Final Map.

Vacation and Abandonment:

1. **Vacation and Abandonment.** This application will expire in two years at 5:00 p.m. on the expiration date (holidays and weekends will not extend the expiration day) unless all conditions of approval have been satisfied and an Order of Vacation is recorded by the County. Any extension of time must be applied for prior to 5:00 p.m. on the expiration date. Vacation of easements and/or rights-of-way must conform to the plans as submitted with revisions as specified by the Board of County Commissioners and/or Planning Commission.
2. Drainage and/or traffic studies must be submitted and approved, and all improvements must comply with the approved studies. Additionally, street and flood channel dedications and/or improvements will be required.
3. If the property is located in a flood zone, a drainage study must be submitted and approved by the Regional Flood Control District prior to any permits.
4. All necessary utility easements will be retained or reserved.

**** Duplicate Receipt ****

City of Las Vegas

Development Services Center

731 South Fourth Street

Las Vegas, NV 89101

01/19/2011 15:00 Trn 161113

Cashier 890381

PRJ Permit # DS4516 \$400.00

Subtotal \$400.00

Tax \$0.00

Total \$400.00

Received CHECK \$400.00

Check # 34586

Change \$0.00

For questions related to this receipt call

702-229-6251