

CITY OF ALBUQUERQUE



March 9, 2017

Scott Eddings, PE
Huitt-Zollers Inc.
6561 Americas Parkway NE
Albuquerque, NM 87110

**Re: Valley High School
1505 Candelaria NW
Request Permanent C.O. - Accepted
Engineer's Stamp dated: 9-20-15 (G13D010)
Certification dated: 3-6-17**

Dear Mr. Eddings,

Based on the Certification received 3/7/2017, the site is acceptable for release of Certificate of Occupancy by Hydrology.

PO Box 1293

If you have any questions, you can contact me at 924-3999 or Totten Elliott at 924-3982.

Sincerely,

Albuquerque

New Mexico 87103

Shahab Biazar, P.E.
City Engineer, Planning Dept.
Development Review Services

www.cabq.gov

TE/SB

C: email, Cordova, Camille C.; Miranda, Rachel; Sandoval, Darlene M.; Blocker,
Lois

STRUCTURE TABLE

- (A) INV=65.16
(B) INV IN (S)=65.59
INV IN (E)=65.59
INV OUT (NV)=65.49
(C) INV OUT=66.50
(D) INV IN (S)=66.31
INV IN (SE)=66.31
INV IN (SW)=66.31
INV OUT (N)=66.21
(E) INV OUT=67.21
(F) INV OUT=66.64
(G) INV IN (W)=66.69
INV IN (S)=66.69
INV IN (SE)=66.69
INV OUT(N)=66.59
(H) INVOUT=68.09
(I) INV OUT=68.14
(J) INV OUT=71.72

DRAINAGE CERTIFICATION

I, SCOTT A. EDDINGS, NMPE 12856, OF THE FIRM HUITT-ZOLLARS, INC. HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 9/20/2015. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED FROM KIM STELZER, NMPS 7482, OF THE FIRM HUITT-ZOLLARS, INC. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 3/3/2017 AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE SURVEY DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A PERMANENT CERTIFICATE OF OCCUPANCY.

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE ASPECTS OF THIS PROJECT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

Scott A. Eddings
SCOTT A. EDDINGS, NMPE 12856

3/6/17
DATE

AS BUILT LEGEND

SURVEY ELEVATION 68.26
CONFIRMED WITHIN 0.1 FEET

STORM DRAIN PIPE TABLE				
PIPE NUMBER	BEARING	LENGTH	SIZE / TYPE	SLOPE
1	S 57°17'17" E	105 L.F.	36" X23" CONC ARCH	0.30%
2	S 05°31'20" W	206 L.F.	24" HDPE	0.30%
3	S 06°04'35" E	89 L.F.	12" HDPE	0.30%
4	S 05°31'20" W	228 L.F.	12" HDPE	2.18%
5	S 84°24'49" E	20 L.F.	12" HDPE	3.97%
6	S 66°19'53" W	26 L.F.	12" HDPE	1.24%
7	S 52°13'43" E	23 L.F.	12" HDPE	1.28%
8	N 87°28'40" W	86 L.F.	12" HDPE	1.58%
9	S 37°51'26" E	74 L.F.	12" HDPE	1.82%

DRAINAGE

DRAINAGE PLAN

I. INTRODUCTION AND EXECUTIVE SUMMARY

THIS PROJECT CONSISTS OF AN ADDITION AND TRAFFIC CIRCULATION IMPROVEMENTS TO THE EXISTING VALLEY HIGH SCHOOL. THE BUILDING, PAVING AND DRAINAGE IMPROVEMENTS PROPOSED WILL FOLLOW THE APPROVED MASTER DRAINAGE PLAN BY MAINTAINING EXISTING DRAINAGE PATTERNS OVER THE MAJORITY OF THE PROJECT SITE AND BY CONVEYING THE MINOR FLOWS THAT WILL BE INTERCEPTED DUE TO DEVELOPMENT INTO EXISTING POND.

THIS SUBMITTAL IS MADE IN SUPPORT OF GRADING AND PAVING AND SOH19 PERMIT APPROVALS.

II. PROJECT DESCRIPTION

INSERT PLATTING INFORMATION HEREON.

III. BACKGROUND DOCUMENTS AND RESEARCH

THE FOLLOWING ITEMS WERE USED IN PREPARATION OF THIS SUBMITTAL:

1. A BOUNDARY, TOPOGRAPHIC AND UTILITY SURVEY PREPARED BY HUITT-ZOLLARS, INC. DATED, NMPS NO. 12856, DATED JANUARY 2015.

IV. EXISTING CONDITIONS

THE EXISTING PROJECT AREA CONSISTS OF PAVED AND UNPAVED PARKING, AND DIRT AND GRASS LANDSCAPED AREAS.

V. DEVELOPED CONDITIONS

PROPOSED IMPROVEMENTS WILL REPLACE EXISTING PAVED AREAS WITH THE FACILITY ADDITION AND ASSOCIATED TRAFFIC CIRCULATION IMPROVEMENTS. RUNOFF FROM THE NEW BUILDING AREAS WILL BE COLLECTED BY ROOF DRAINS AND DIRECTED VIA SURFACE FLOW INTO THE EXISTING STORM DRAIN SYSTEM.

VI. GRADING PLAN

THE GRADING PLAN SHOWS: 1) EXISTING GRADES INDICATED BY SPOT ELEVATIONS AND 1' CONTOURS TAKEN FROM THE TOPOGRAPHIC SURVEY PREPARED BY HUITT-ZOLLARS, INC. DATED JANUARY 2015; 2) PROPOSED GRADES INDICATED BY SPOT ELEVATIONS AND 1' CONTOURS; 3) THE LIMIT AND NATURE OF EXISTING IMPROVEMENTS TAKEN FROM THE TOPOGRAPHIC SURVEY PREPARED BY HUITT-ZOLLARS, INC.; 4) THE LIMIT AND NATURE OF THE PROPOSED IMPROVEMENTS. THE PLAN SHOWS THE PROPOSED IMPROVEMENTS WILL CONTINUE THE ESTABLISHED DRAINAGE PATTERNS.

VII. CALCULATIONS

THE CALCULATIONS THAT FOLLOW ILLUSTRATE THE CHANGE IN THE DEVELOPED CONDITIONS FOR THE 100-YEAR, 6-HOUR RAIN FALL EVENT FOR BASINS B AND D. THE PROCEDURE FOR 40 ACRE AND SMALLER BASINS, AS SET FORTH IN THE REVISION OF SECTION 22.2 OF THE HYDROLOGY SECTION OF THE DEVELOPMENT PROCESS MANUAL, VOLUME 2, DESIGN CRITERIA, DATED JUNE, 1997, HAS BEEN USED TO QUANTIFY THE PEAK RATE OF DISCHARGE AND VOLUME OF RUNOFF GENERATED, AS SHOWN BY THE RESULTS PRESENTED HEREON. THERE WILL BE A NEGLIGIBLE INCREASE IN PEAK DISCHARGE AND RUNOFF VOLUME ASSOCIATED WITH THE PROPOSED CONSTRUCTION.

VIII. CONCLUSIONS

THE FOLLOWING CONCLUSIONS ARE PRESENTED BY THE DRAINAGE PLAN:

1. THE PROPOSED IMPROVEMENTS ARE CONSISTENT WITH THE MASTER DRAINAGE PLAN.
2. EXISTING DRAINAGE PATTERNS WILL BE MAINTAINED.
3. THE PROPOSED IMPROVEMENTS WILL NOT HAVE AN ADVERSE IMPACT ON DOWNSTREAM CAPACITY OR PROPERTIES.

SHEET KEYNOTES

1. 6" HDPE STORM DRAIN FROM ROOF DRAINS, SEE MECHANICAL PLANS FOR ROOF DRAIN LOCATIONS.
2. CURB OPENING
3. 6" DIAMETER MANHOLE SEE DETAIL D3, SHEET C-502
4. HDPE STORM DRAIN OUTFALL
5. STORM DRAIN INLET SEE DETAIL A4, SHEET C-502
6. ASPHALT PAVEMENT SEE DETAIL E1, SHEET C-501
7. CONCRETE HARDSCAPE
8. LANDSCAPE AREA (BY OWNER N.L.C)
9. STAIRS / RAMP SEE SHEET C-504 FOR DETAILS
10. AREA DRAIN WITH ADA COMPLIANT GRATE SEE DETAIL A4, SHEET C-502
11. TYPE 'D' STORM DRAIN INLET SEE DETAIL C1, SHEET C-502
12. BUILD CONC HEADWALL SEE DETAILS A1 & A3, SHEET C-502.
13. EXISTING CONC HEADWALL AND STORM DRAIN TO BE REMOVED
14. STORM DRAIN DROP INLET SEE DETAIL A4, SHEET C-502 AND DETAIL B2, SHEET C-503

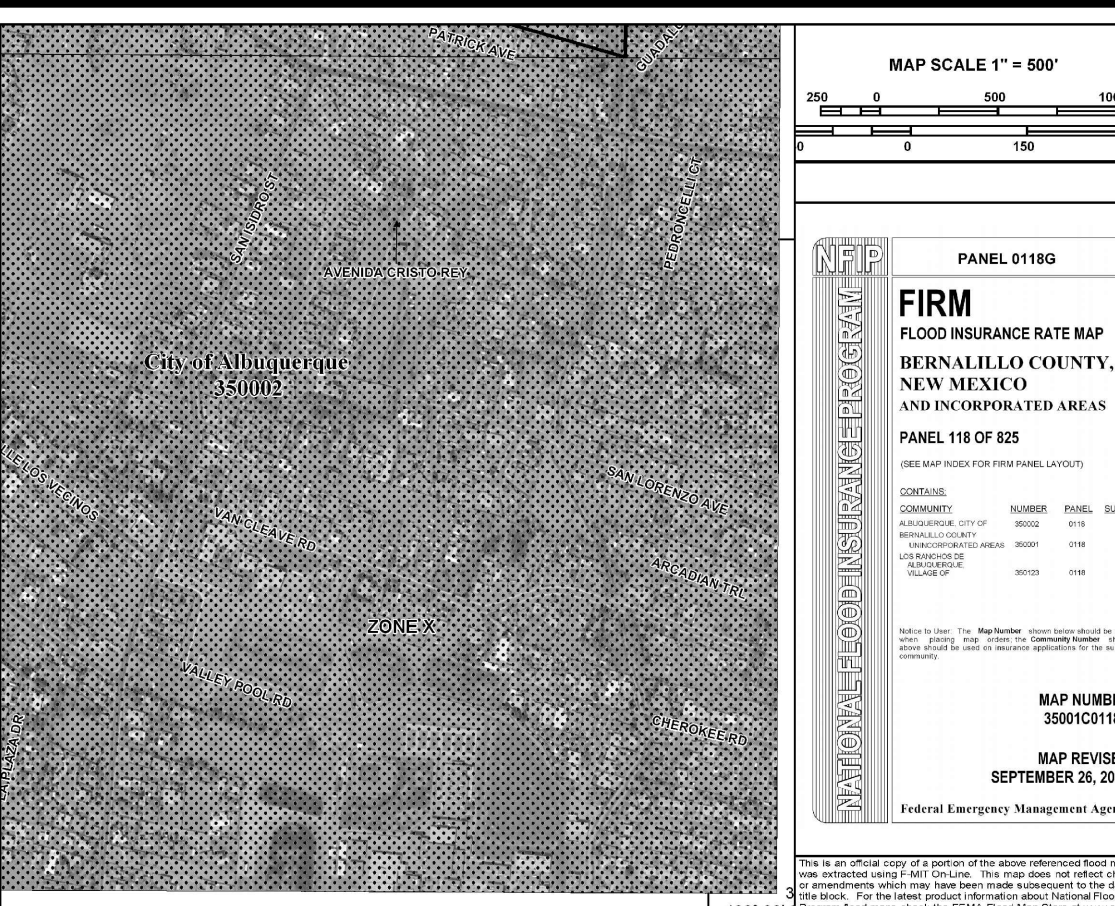
NOTES

1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE OR TOP OF SIDEWALK ELEVATIONS, UNLESS OTHERWISE NOTED.
2. ADD 4900.00 TO PROPOSED SPOT ELEVATIONS FOR MEAN SEA LEVEL ELEVATION. ELEVATIONS SHOWN COMPLETE ARE EXISTING (I.E. 4954.42).
3. ALL CONSTRUCTION SHALL CONFORM TO CITY OF ALBUQUERQUE STANDARDS.

GENERAL SHEET NOTES

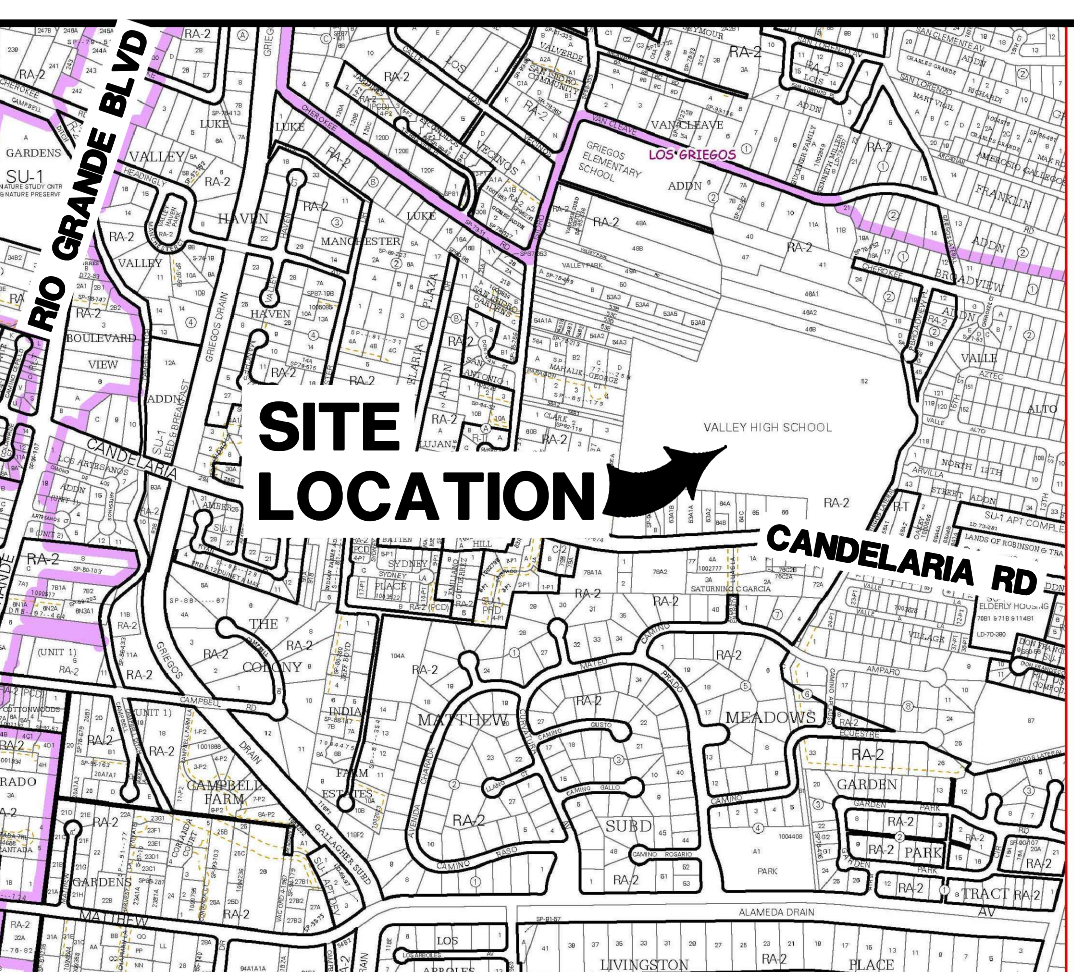
- A. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE LOCATION OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AS SOON AS POSSIBLE TO RESOLVE THE CONFLICT WITH A MINIMUM AMOUNT OF DELAY.
- B. ALL WORK ON THIS PLAN SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- C. IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE LOCATION ONLY, AND LINES MAY EXIST WHERE NONE ARE SHOWN. THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE UTILITY OWNER OR FROM EXISTING PLANS, AND THIS INFORMATION MAY BE INCOMPLETE, OR OBSOLETE AT THE TIME OF CONSTRUCTION. THE ENGINEER HAS NOT UNDERTAKEN ANY FIELD VERIFICATION OF THESE LOCATIONS, LINE SIZES OR MATERIAL TYPE, MAKES NO REPRESENTATION THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE OR UNDERGROUND INSTALLATION IN OR NEAR THE AREA IN ADVANCE OF AND DURING ANY EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES AND UNDERGROUND FACILITIES. IN PLANNING AND CONDUCTING EXCAVATIONS, THE CONTRACTOR SHALL COMPLY WITH ALL STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
- D. THE CONTRACTOR SHALL INSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AND BY WETTING THE SOIL TO KEEP IT FROM BLOWING.
- E. THE CONTRACTOR SHALL OBTAIN ANY AND ALL PERMITS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE COMPLETION OF THE WORK PRIOR TO BEGINNING CONSTRUCTION.

FIRM PANEL MAP NO. 35001C0118G



SITE LOCATION

ZONE ATLAS MAP NO. G-13-Z



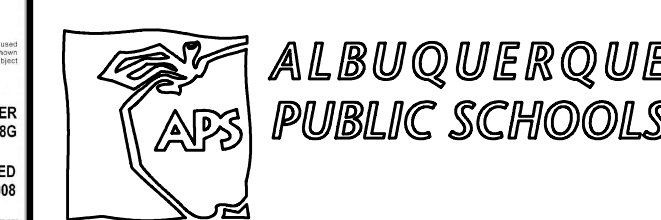
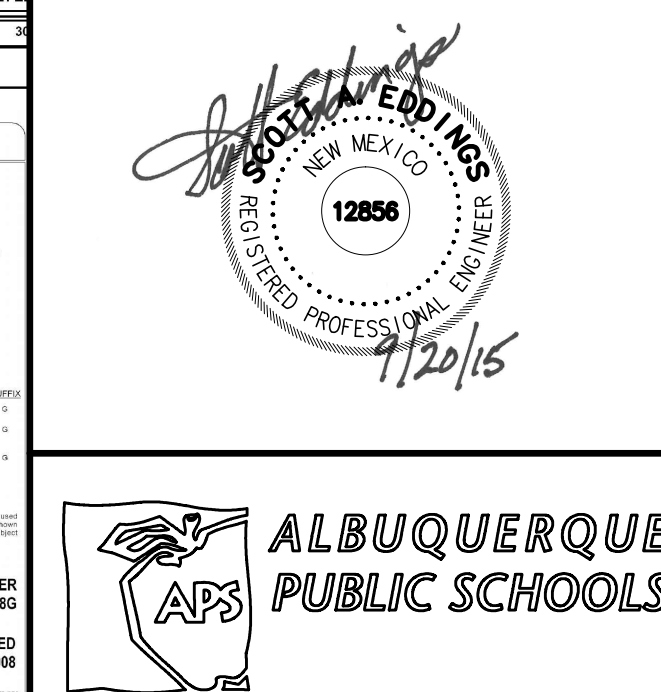
LEGEND

	NEW BUILDING ADDITION
	NEW 4" CONCRETE SIDEWALKS AND CONCRETE PAVING
	INTEGRAL COLOR CONCRETE (COLOR SELECTED BY ARCHITECT)
	NEW ASPHALT PAVING
	NEW ASPHALT SIDEWALK
	NEW LANDSCAPING BY OWNER (NOT IN CONTRACT)
	EXISTING ELEVATION
	PROPOSED ELEVATION
	INTEGRAL COLOR RETAINING WALL (COLOR SELECTED BY ARCHITECT)

HUITT-ZOLLARS

Huitt-Zollars, Inc.
6501 Americas Parkway NE,
Suite 550
Albuquerque, N. M. 87110
Phone (505) 883-8114
Fax (505) 883-5022

CONSULTANTS:



Valley High School

Phase One
Title IX
Gymnasium
Building
Renovations &
Addition

ADDRESS:
1505 CANDELARIA RD. NW
ALBUQUERQUE, NM 87107

MARK	DATE	DESCRIPTION
CD	01/15/16	Dance/Multi-Use Expansion
CD	09/20/15	BID DOCUMENTS
CD	08/17/15	95% REVIEW SUBMITTAL
CD	06/29/15	50% REVIEW SUBMITTAL
DD	04/08/15	DESIGN DEV. SUBMITTAL
ISSUE:		
PROJECT NO.: R300784.01		
CAD DWG FILE: GRADING.CERT.dwg		
DRAWN BY: KLS		
CHECKED BY: SAE		
COPYRIGHT: HUITT-ZOLLARS INC. 2013		
SHEET TITLE:		

GRADING AND
DRAINAGE PLAN

C-103

SHEET 6 OF 133

A1 GRADING AND DRAINAGE PLAN

SCALE: 1" = 30' - 0"

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 12/2005)

PROJECT TITLE: Valley High School ZONE MAP: G-13-Z
DRB#: _____ EPC#: _____ WORK ORDER#: _____

LEGAL DESCRIPTION: Map 34 Tract 52
CITY ADDRESS: 1505 Candelaria Road NW

ENGINEERING FIRM: Huitt-Zollars CONTACT: Scott Eddings
ADDRESS: 6501 Americas Parkway NE PHONE: 892-5141
CITY, STATE: ABQ, NM ZIP CODE: 87110

OWNER: Albuquerque Public Schools CONTACT: Myron Johnson
ADDRESS: APS PHONE: 848-8811
CITY, STATE: ABQ, NM ZIP CODE: _____

ARCHITECT: _____ CONTACT: _____
ADDRESS: _____ PHONE: _____
CITY, STATE: _____ ZIP CODE: _____

SURVEYOR: _____ CONTACT: _____
ADDRESS: _____ PHONE: _____
CITY, STATE: _____ ZIP CODE: _____

CONTRACTOR: _____ CONTACT: _____
ADDRESS: _____ PHONE: _____
CITY, STATE: _____ ZIP CODE: _____

<u>TYPE OF SUBMITTAL:</u>	<u>CHECK TYPE OF APPROVAL SOUGHT:</u>
<input type="checkbox"/> DRAINAGE REPORT	<input type="checkbox"/> SIA/FINANCIAL GUARANTEE RELEASE _____
<input type="checkbox"/> DRAINAGE PLAN 1 st SUBMITTAL	<input type="checkbox"/> PRELIMINARY PLAT APPROVAL
<input type="checkbox"/> DRAINAGE PLAN RESUBMITTAL	<input type="checkbox"/> S. DEV. PLAN FOR SUB'D APPROVAL
<input type="checkbox"/> CONCEPTUAL G & D PLAN	<input type="checkbox"/> S. DEV. FOR BLDG. PERMIT APPROVAL
<input type="checkbox"/> GRADING PLAN	<input type="checkbox"/> SECTOR PLAN APPROVAL
<input type="checkbox"/> EROSION CONTROL PLAN	<input type="checkbox"/> FINAL PLAT APPROVAL
<input checked="" type="checkbox"/> ENGINEER'S CERT (HYDROLOGY)	<input type="checkbox"/> FOUNDATION PERMIT APPROVAL
<input type="checkbox"/> CLOMR/LOMR	<input type="checkbox"/> BUILDING PERMIT APPROVAL
<input type="checkbox"/> TRAFFIC CIRCULATION LAYOUT	<input checked="" type="checkbox"/> CERTIFICATE OF OCCUPANCY (PERM)
<input checked="" type="checkbox"/> ENGINEER'S CERT (TCL)	<input type="checkbox"/> CERTIFICATE OF OCCUPANCY (TEMP)
<input type="checkbox"/> ENGINEER'S CERT (DRB SITE PLAN)	<input type="checkbox"/> GRADING PERMIT APPROVAL
<input type="checkbox"/> OTHER (SPECIFY) – TCL RESUBMIT	<input type="checkbox"/> PAVING PERMIT APPROVAL
	<input type="checkbox"/> WORK ORDER APPROVAL
	<input type="checkbox"/> OTHER (SPECIFY) _____

WAS A PRE-DESIGN CONFERENCE ATTENDED:

☐ YES
☐ NO
☐ COPY PROVIDED

DATE SUBMITTED: 6-MAR BY: Scott Eddings

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location, and scope to the proposed development defines the degree of drainage detail. One or more of the following levels of submittal may be required based on the following:

1. **Conceptual Grading and Drainage Plan:** Required for approval of Site Development Plans greater than five (5) acres and Sector Plans.
2. **Drainage Plans:** Required for building permits, grading permits, paving permits and site plans less than five (5) acres.
3. **Drainage Report:** Required for subdivision containing more than ten (10) lots or constituting five (5) acres or more.