Planning Department Suzanne Lubar, Director



Mayor Richard J. Berry

January 14, 2016

Fred C. Arfman, P.E. Isaacson & Arfman, PA 128 Monroe St NE Albuquerque, NM 87108

Re: **Hodgin Elementary School-Kindergarten Addition**

3801 Morningside Dr. NE

Request Permanent C.O. - Accepted

Engineer's Stamp dated: 5-31-13 (G17D037)

Certification dated: 1-12-16

PO Box 1293

Dear Mr. Arfman,

Albuquerque

Based upon the information provided in your submittal received 1/13/2016, the above referenced Certification received is acceptable for the release of permanent Certificate of Occupancy by

Hydrology.

New Mexico 87103 If you have any questions, you can contact me at 924-3686 or Totten Elliott at 924-3982.

Sincerely,

www.cabq.gov

Shahab Biazar, P.E.

City Engineer, Planning Dept. **Development Review Services**

TE/SB

email, Cordova, Camille C.; Miranda, Rachel; Sandoval, Darlene M.; Barreras, Gary S.; C:

Blocker, Lois

On-Site Peak Discharge Rate: $Qp = Q_{pA}A_A + Q_{pB}A_B + Q_{pC}A_C + Q_{pD}A_D / 43,560$

 $Q_{pC} = 3.14$

 $Q_{pD} = 4.70$

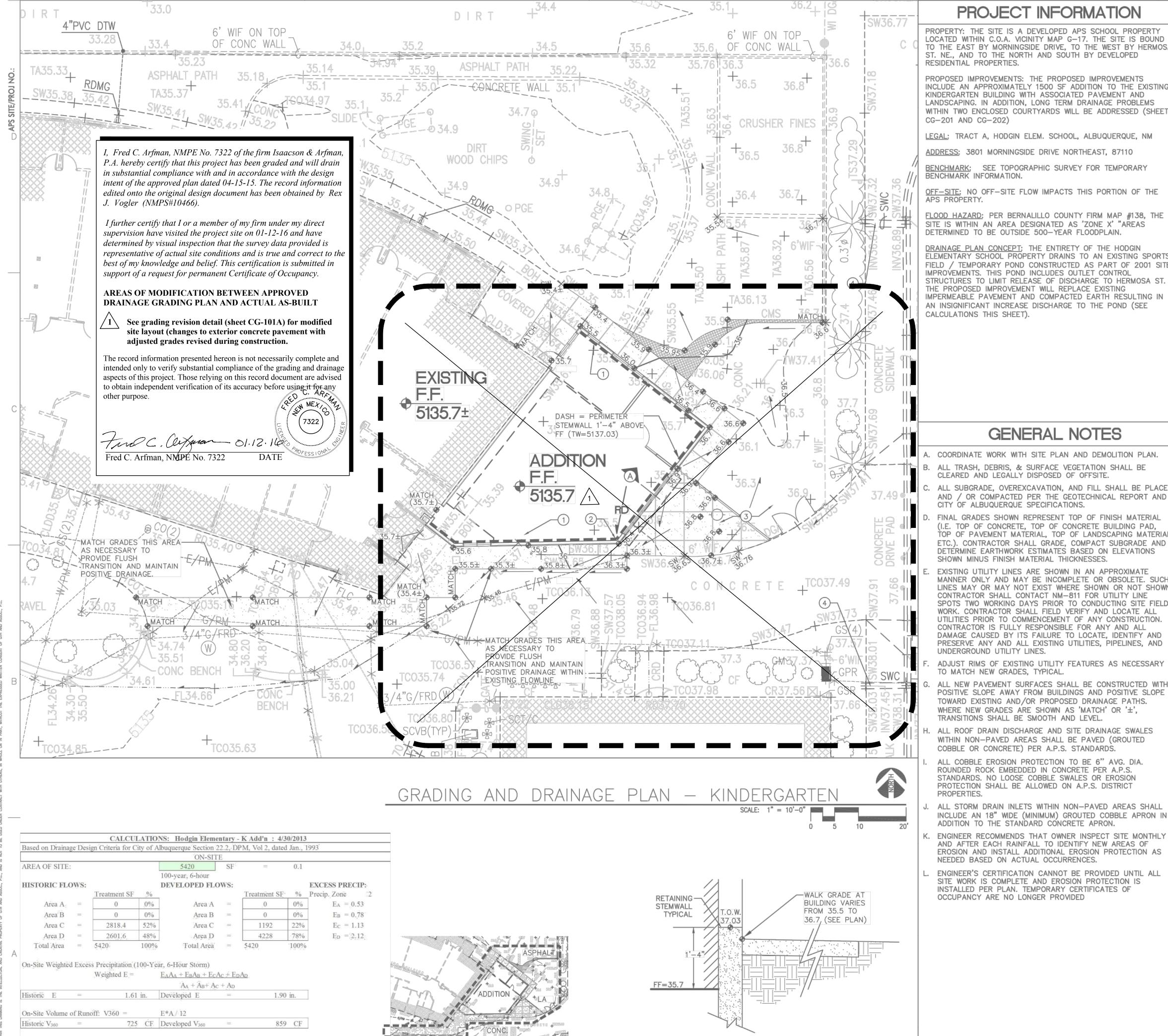
0.48 CFS Developed Q_p =

For Precipitation Zone 2

Historic Q_p

 $Q_{pA} = 1.56$

 $Q_{pB} = 2.28$



PERIMETER RETAINING STEMWALL

PROJECT INFORMATION

PROPERTY: THE SITE IS A DEVELOPED APS SCHOOL PROPERTY LOCATED WITHIN C.O.A. VICINITY MAP G-17. THE SITE IS BOUND TO THE EAST BY MORNINGSIDE DRIVE, TO THE WEST BY HERMOSA ST. NE., AND TO THE NORTH AND SOUTH BY DEVELOPED RESIDENTIAL PROPERTIES.

PROPOSED IMPROVEMENTS: THE PROPOSED IMPROVEMENTS INCLUDE AN APPROXIMATELY 1500 SF ADDITION TO THE EXISTING KINDERGARTEN BUILDING WITH ASSOCIATED PAVEMENT AND LANDSCAPING. IN ADDITION, LONG TERM DRAINAGE PROBLEMS WITHIN TWO ENCLOSED COURTYARDS WILL BE ADDRESSED (SHEETS CG-201 AND CG-202)

LEGAL: TRACT A, HODGIN ELEM. SCHOOL, ALBUQUERQUE, NM

ADDRESS: 3801 MORNINGSIDE DRIVE NORTHEAST, 87110

BENCHMARK: SEE TOPOGRAPHIC SURVEY FOR TEMPORARY BENCHMARK INFORMATION.

OFF-SITE: NO OFF-SITE FLOW IMPACTS THIS PORTION OF THE

FLOOD HAZARD: PER BERNALILLO COUNTY FIRM MAP #138, THE SITE IS WITHIN AN AREA DESIGNATED AS 'ZONE X' "AREAS DETERMINED TO BE OUTSIDE 500-YEAR FLOODPLAIN.

DRAINAGE PLAN CONCEPT: THE ENTIRETY OF THE HODGIN LEMENTARY SCHOOL PROPERTY DRAINS TO AN EXISTING SPORTS FIELD / TEMPORARY POND CONSTRUCTED AS PART OF 2001 SITE MPROVEMENTS. THIS POND INCLUDES OUTLET CONTROL STRUCTURES TO LIMIT RELEASE OF DISCHARGE TO HERMOSA ST. THE PROPOSED IMPROVEMENT WILL REPLACE EXISTING IMPERMEABLE PAVEMENT AND COMPACTED EARTH RESULTING IN AN INSIGNIFICANT INCREASE DISCHARGE TO THE POND (SEE CALCULATIONS THIS SHEET).

GENERAL NOTES

- ALL TRASH, DEBRIS, & SURFACE VEGETATION SHALL BE CLEARED AND LEGALLY DISPOSED OF OFFSITE.
- ALL SUBGRADE, OVEREXCAVATION, AND FILL SHALL BE PLACED AND / OR COMPACTED PER THE GEOTECHNICAL REPORT AND CITY OF ALBUQUERQUE SPECIFICATIONS.
- I.E. TOP OF CONCRETE, TOP OF CONCRETE BUILDING PAD. TOP OF PAVEMENT MATERIAL, TOP OF LANDSCAPING MATERIAL ETC.). CONTRACTOR SHALL GRADE, COMPACT SUBGRADE AND DETÉRMINE EARTHWORK ESTIMATES BASED ON ELEVATIONS SHOWN MINUS FINISH MATERIAL THICKNESSES.

MANNER ONLY AND MAY BE INCOMPLETE OR OBSOLETE. SUCH INES MAY OR MAY NOT EXIST WHERE SHOWN OR NOT SHOWN SPOTS TWO WORKING DAYS PRIOR TO CONDUCTING SITE FIELD WORK, CONTRACTOR SHALL FIELD VERIFY AND LOCATE ALL UTILITIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES.

ADJUST RIMS OF EXISTING UTILITY FEATURES AS NECESSARY TO MATCH NEW GRADES, TYPICAL.

POSITIVE SLOPE AWAY FROM BUILDINGS AND POSITIVE SLOPE TOWARD EXISTING AND/OR PROPOSED DRAINAGE PATHS. WHERE NEW GRADES ARE SHOWN AS 'MATCH' OR '±', TRANSITIONS SHALL BE SMOOTH AND LEVEL.

ALL ROOF DRAIN DISCHARGE AND SITE DRAINAGE SWALES WITHIN NON-PAVED AREAS SHALL BE PAVED (GROUTED COBBLE OR CONCRETE) PER A.P.S. STANDARDS. ALL COBBLE EROSION PROTECTION TO BE 6" AVG. DIA.

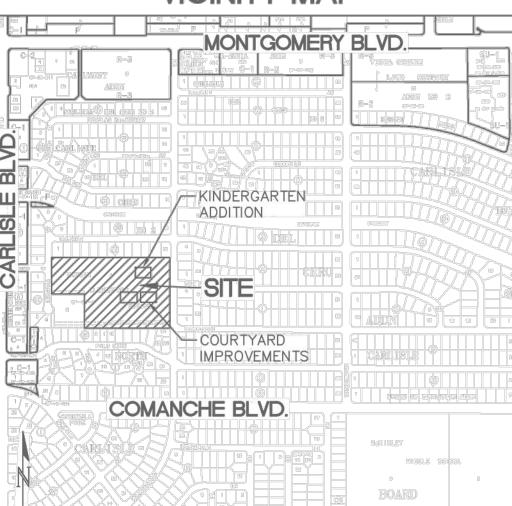
ROUNDED ROCK EMBEDDED IN CONCRETE PER A.P.S. STANDARDS. NO LOOSE COBBLE SWALES OR EROSION PROTECTION SHALL BE ALLOWED ON A.P.S. DISTRICT

ALL STORM DRAIN INLETS WITHIN NON-PAVED AREAS SHALL INCLUDE AN 18" WIDE (MINIMUM) GROUTED COBBLE APRON IN

ADDITION TO THE STANDARD CONCRETE APRON. ENGINEER RECOMMENDS THAT OWNER INSPECT SITE MONTHLY AND AFTER EACH RAINFALL TO IDENTIFY NEW AREAS OF

ENGINEER'S CERTIFICATION CANNOT BE PROVIDED UNTIL ALL SITE WORK IS COMPLETE AND EROSION PROTECTION IS INSTALLED PER PLAN. TEMPORARY CERTIFICATES OF OCCUPANCY ARE NO LONGER PROVIDED

VICINITY MAP



「1"=750′±

EXISTING PARKING LOT DRAINAGE ENTERS SCHOOL AREA AT EXISTING SIDEWALK CULVERT. DO NOT BLOCK OR ALTER IN ANY WAY THAT MAY PREVENT DISCHARGE FROM PASSING.

KEYED NOTES

ZONE ATLAS #G-17

- CONSTRUCT RETAINING STEMWALL AT ELEVATIONS SHOWN. SEE SECTION A THIS SHEET FOR ADDITIONAL INFORMATION..
- CONCENTRATED ROOF DISCHARGE TO PAVEMENT THIS AREA. SEE ARCHITECTURAL.
- REGRADE UNPAVED AREA TO CLEARLY DEFINE DRAINAGE TO NORTH AND SOUTH @ MIN. 1% SLOPE.

LEGEND

-- -- 36.5-----**37.5**

◆37.5± ◆MATCH

F.F.=5135.7

EXISTING SPOT ELEVATION PROPOSED CONTOUR (1' INTERVALS) PROPOSED CONTOUR (0.5' INTERVALS)

PROPOSED SPOT ELEVATION PROPOSED SPOT ELEVATION AT EXISTING INFRASTRUCTURE TO MATCH

FLOW ARROW

FINISH FLOOR ELEVATION

ISAACSON & ARFMAN, P.A.

128 Monroe Street N.E.

Albuquerque, New Mexico 87108

Ph. 505-268-8828 Fax. 505-268-2632

1773 CG-101.dwg May 30,2013

Consulting Engineering Associates

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Elemen

GREGORY T. Hicks

& ASSOCIATES, p.c.

ARCHITECTS • planners

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e-mail gthicks@gthicks.com

Expect Great Things!

Albuquerque, New Mexico 87102

ALBUQUERQUE PUBLIC SCHOOLS

FINAL BID SET Mark | Date Description

GRADING AND DRAINAGE PLAN KINDERGARTEN

Sheet No.:

GTH Project No.: Owner Project No0273.4002.3110 Acad File No. 090203A201 Date: Sheet Title:

