CITY OF ALBUQUERQUE

Tim Keller, Mayor

December 7, 2017

Donald Duneman, P.E.
Wilson & Company
4900 Lang Ave NE
Albuquerque, NM, 87109

RE: Rankin Training Facility
720 Rankin Road NE
Request for Permanent C.O. – Accepted
Engineer's Certification Dated 11/30/17
Hydrology File: G15D061

Dear Mr. Duneman:

Based on the Certification received 12/05/17 and site visit on 12/06/17, the site is acceptable for a Permanent Certificate of Occupancy by Hydrology for 720 Rankin Road NE.

If you have any questions, please contact me at 924-3995 or rbrissette@cabq.gov.

Sincerely,

Renée C. Brissette

Renée C. Brissette, P.E. CFM
Senior Engineer, Hydrology
Planning Department

PO Box 1293
Albuquerque
NM 87103
www.cabq.gov

Orig: Drainage File

City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 09/2015)

Project Title: Rankin Training Facility Site Renovations Building Permit #: T201390019 City Drainage #: G15D061

DRB#: _____ EPC#: _____ Work Order#: _____

Legal Description: _____

City Address: 720 Rankin Road, NE Albuquerque, NM 87107

Engineering Firm: Wilson & Company Engineers and Architects Contact: Donald Duneman

Address: 4900 Lang Ave, NE Albuquerque, NM 87109

Phone#: 505-948-5125 Fax#: _____ E-mail: donald.duneman@wilsonco.com

Owner: Albuquerque Public Schools Contact: Myron Johnson

Address: 915 Oak Street, SE, Albuquerque, NM 87106

Phone#: 505-848-8810 Fax#: _____ E-mail: johnson_my@aps.edu

Architect: Integrated Design & Architects Contact: Ken Carrello

Address: 906 1/2 Park Ave SW, Albuquerque, NM 87102

Phone#: 505-243-3499 Fax#: _____ E-mail: _____

Other Contact: _____ Contact: _____

Address: _____

Phone#: _____ Fax#: _____ E-mail: _____

Check all that Apply:

DEPARTMENT:

__x__ HYDROLOGY/ DRAINAGE

_____ TRAFFIC/ TRANSPORTATION

_____ MS4/ EROSION & SEDIMENT CONTROL

TYPE OF SUBMITTAL:

__x__ ENGINEER/ ARCHITECT CERTIFICATION

_____ CONCEPTUAL G & D PLAN

_____ GRADING PLAN

_____ DRAINAGE MASTER PLAN

_____ DRAINAGE REPORT

_____ CLOMR/LOMR

_____ TRAFFIC CIRCULATION LAYOUT (TCL)

_____ TRAFFIC IMPACT STUDY (TIS)

_____ EROSION & SEDIMENT CONTROL PLAN (ESC)

_____ OTHER (SPECIFY) _____

IS THIS A RESUBMITTAL?: _____ Yes __x__ No

CHECK TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

_____ BUILDING PERMIT APPROVAL

__x__ CERTIFICATE OF OCCUPANCY

_____ PRELIMINARY PLAT APPROVAL

_____ SITE PLAN FOR SUB'D APPROVAL

_____ SITE PLAN FOR BLDG. PERMIT APPROVAL

_____ FINAL PLAT APPROVAL

_____ SIA/ RELEASE OF FINANCIAL GUARANTEE

_____ FOUNDATION PERMIT APPROVAL

_____ GRADING PERMIT APPROVAL

_____ SO-19 APPROVAL

_____ PAVING PERMIT APPROVAL

__x__ GRADING/ PAD CERTIFICATION

_____ WORK ORDER APPROVAL

_____ CLOMR/LOMR

_____ PRE-DESIGN MEETING

_____ OTHER (SPECIFY) _____

DATE SUBMITTED: Nov 3, 2017 By: Donnie Duneman

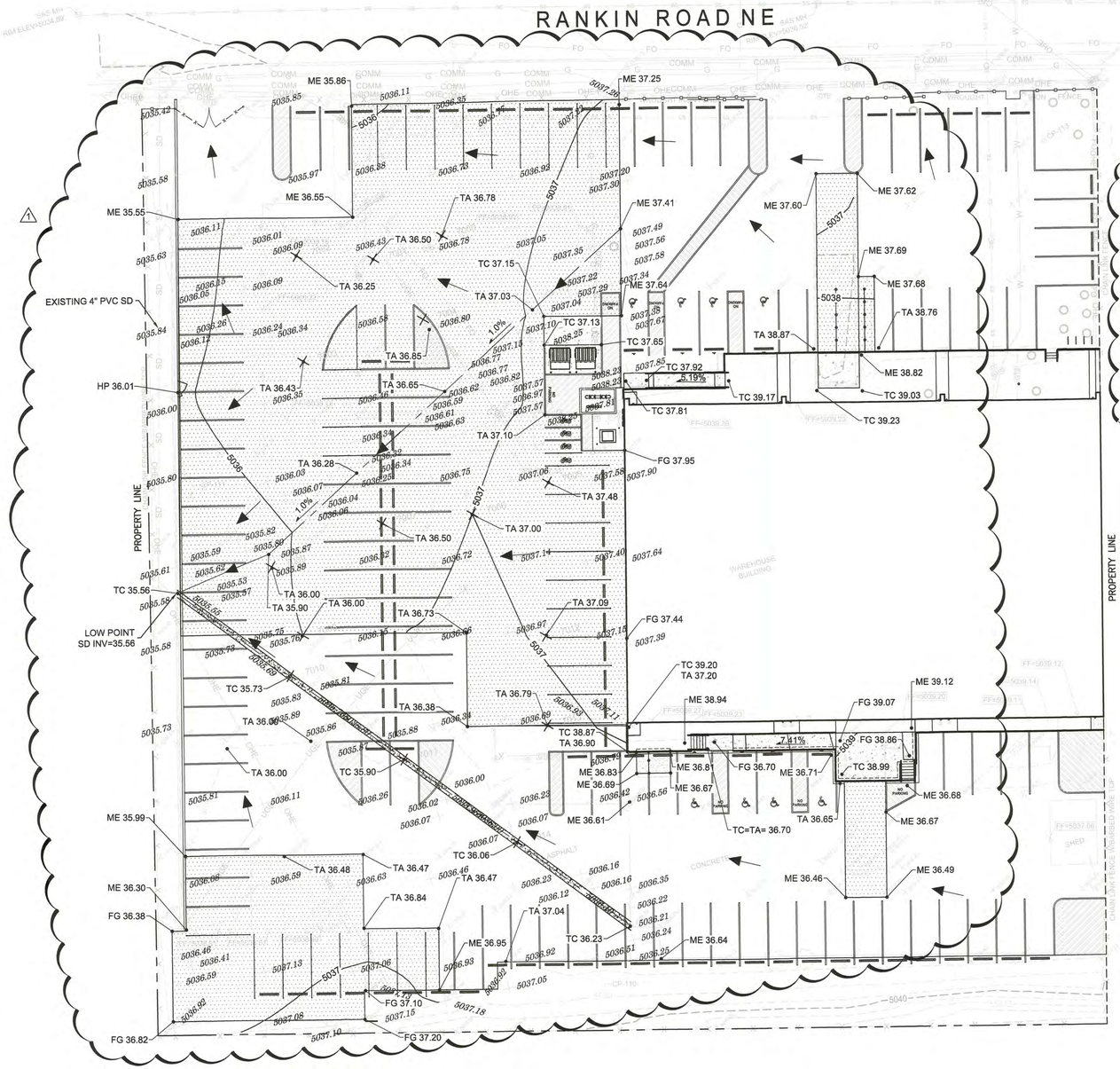
COA STAFF: ELECTRONIC SUBMITTAL RECEIVED: ___

HYDROLOGY SUMMARY

PROJECT NAME:		Rankin Training Facility						100 YEAR				
JOB NUMBER:		16-600-007-00	AREA	LAND TREATMENTS				Q	VOLUME (ac.ft.)			
BASIN	COND.	DESCRIPTION	(acres)	A	B	C	D	(cfs)	6 HR	24 HR	4 DAY	10 DAY
ONSITE	EXISTING		2.0200	0.0%	0.0%	0.0%	100.0%	9.49	0.357	0.424	0.5168	0.6262
ONSITE	DEVELOPED		2.0200	0.0%	0.0%	0.0%	100.0%	9.49	0.357	0.424	0.5168	0.6262

INPUT DATA:

PRECIP.	RAINFALL DEPTHS (INCHES) AT 100-YEAR STORM				
ZONE	1 HOUR	6 HOUR	24 HOUR	4 DAY	10 DAY
2	2.01	2.35	2.75	3.30	3.95



A1 GRADING AND DRAINAGE PLAN

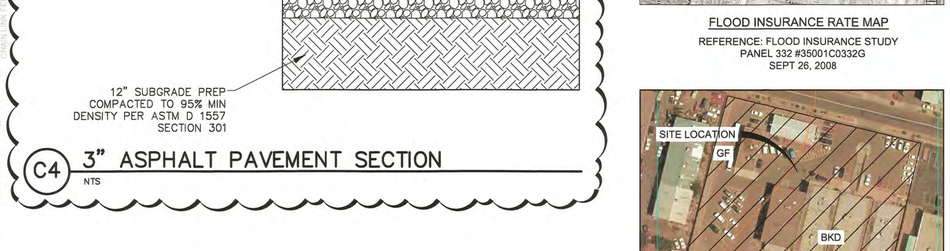
SCALE: 1" = 20'

SITE LOCATION & PROJECT BACKGROUND:
RANKIN TRAINING FACILITY IS LOCATED AT 720 RANKIN ROAD, NE IN ALBUQUERQUE, NEW MEXICO. THE PROPERTY AREA IS 2.02 AC AND INCLUDES A MAIN AND MODULAR BUILDINGS WITH ASPHALT PAVED PARKING LOT. THE PROPOSED IMPROVEMENTS INCLUDES REMOVAL OF EXISTING MODULAR BUILDINGS IN THEIR ENTIRETY AND INSTALLING ASPHALT WHERE MODULAR BUILDINGS WERE LOCATED. EXISTING PAVED PARKING AREAS WILL REMAIN IN THEIR EXISTING CONDITION.

METHODOLOGY:
CITY OF ALBUQUERQUE (COA) DEVELOPMENT PROCESS MANUAL (DPM) SECTION 22.2 HYDROLOGY WAS UTILIZED TO CALCULATE EXISTING AND DEVELOPED PEAK RUNOFF AND VOLUME. SEE HYDROLOGY SUMMARY TABLE THIS SHEET.

EXISTING CONDITIONS:
THE EXISTING SITE SLOPES IN A NORTHWESTERLY DIRECTION AND DRAINS INTO RANKIN ROAD. APPROXIMATELY 1.6 AC OF THE SITE IS COVERED WITH BLUEPOINT-KOKAN ASSOCIATION TYPE SOIL, CLASSIFIED AS HYDROLOGIC SOIL GROUP "A" AND EXCESSIVELY DRAINED. THE REMAINDER OF THE SITE IS COVERED WITH GILA COMPLEX, MODERATELY ALKALI TYPE SOIL CLASSIFIED AS HYDROLOGIC SOIL GROUP "C" AND WELL DRAINED. THE SITE IS LOCATED IN ZONE "X" PER FEMA FLOOD INSURANCE RATE MAP DEFINED AS AREAS WHICH ARE OUTSIDE THE 500-YEAR ANNUAL CHANCE FLOODPLAIN. MAJORITY OF GENERATED RUNOFF SHEET FLOWS TO THE WEST AND ACCUMULATES AT A LOW POINT AT THE EXISTING CURB ALONG THE WEST EDGE OF THE PROPERTY. THE CURB HEIGHT VARIES FROM 6 INCH TO 13 INCHES. A 4 INCH PIPE CONVEYS FLOWS FROM THIS POINT INTO RANKIN ROAD. RUNOFF FROM THE TOP NORTH OF THE PROPERTY ALONG RANKIN ROAD SHEET FLOWS DIRECTLY INTO RANKIN ROAD. THERE ARE NO OFFSITE FLOWS ENTERING THE SITE. THE SITE GENERATES 9.49 CFS IN ITS CURRENT CONDITIONS IN A 100-YR STORM EVENT. SEE HYDROLOGY SUMMARY TABLE.

DEVELOPED CONDITIONS:
THE PROPOSED PARKING IMPROVEMENTS WILL INCLUDE ADA ACCESSIBLE PARKING SPACES AND RAMPS. THE CONCRETE SURFACE AREAS UNDER EXISTING MODULAR BUILDINGS WILL BE PAVED WITH ASPHALT. THE ASPHALT LAND TREATMENT WILL BE IMPERVIOUS WHICH WILL RESULT IN THE SAME AMOUNT OF RUNOFF AS IN THE EXISTING CONDITIONS. THE DEVELOPED DRAINAGE PATTERN WILL BE THE SAME AS THE EXISTING CONDITIONS. THE EXISTING PIPE ALONG THE WEST EDGE OF THE PROPERTY CONVEYS FLOWS TO RANKIN ROAD. THE SITE GENERATES 9.49 CFS IN A 100-YR STORM EVENT IN THE DEVELOPED CONDITIONS WHICH IS THE SAME AS THE EXISTING CONDITIONS. SEE THIS SHEET FOR HYDROLOGY SUMMARY TABLE AND GRADING DETAILS. EROSION AND SEDIMENT CONTROL PLAN IS NOT WARRANTED SINCE THE DISTURBED AREA IS LESS THAN ONE ACRE.



C4 3" ASPHALT PAVEMENT SECTION

NTS

CERTIFICATE OF SUBSTANTIAL COMPIANCE OF PLANS

I, DONALD M. DUNEMAN OF THE FIRM WILSON AND COMPANY, A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF NEW MEXICO, 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 11/30/17. I CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE SITE GRADING WAS COMPLETED AS PART OF THIS PROJECT HAS BEEN INSPECTED BY ME OR BY A QUALIFIES PERSON UNDER MY DIRECT SUPERVISION. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR BUILDING PERMIT. 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.

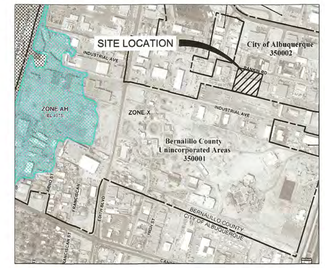
DONALD M. DUNEMAN, P.E. NM 17616 — DATE 11/30/17

SURVEYOR'S CERTIFICATE:

I, BENJAMIN M. ARAGON, NEW MEXICO PROFESSIONAL SURVEYOR NO. 15268, DO HEREBY CERTIFY THAT THIS AS-BUILT SURVEY WAS PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY; THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO; AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

BENJAMIN M. ARAGON NMPS 15268 — DATE 11-30-17

LOCATION
ZONE ATLAS MAP G-15



FLOOD INSURANCE RATE MAP
REFERENCE: FLOOD INSURANCE STUDY
PANEL 332 #35001C0332G
SEPT 26, 2008

SOILS MAP
REFERENCE: HTTP://WEBSOILSURVEY.NRCS.USDA.GOV

GENERAL NOTES

1. REFER TO ARCHITECTURAL SHEETS FOR RETAINING WALL DETAILS.

LEGEND

ME	MATCH EXISTING ELEVATION
FG	FINISHED GRADE
TC	TOP OF CONCRETE
TA	TOP OF ASPHALT
→	DRAINAGE FLOW PATH
	CONCRETE PAVING
	ASPHALT PAVING. SEE SECTION C4 THIS SHEET
5040	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
5037	PROPOSED CONTOUR
5036.50	ELEVATION, AS-BUILT

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RANKIN TRAINING FACILITY
SITE RENOVATIONS
720 RANKIN RD. NE ALBUQUERQUE, NEW MEXICO 87107

MARYAM D. GIAHI
NEW MEXICO
17616
11/16/16
LICENSED PROFESSIONAL ENGINEER

REVISIONS			
Mark:	Date:	Description:	
1	10/10/16	ASPHALT	

Project #:	16-600-007-00
Date:	02/16/2016
By:	Staff
File Name:	

SITE GRADING & DRAINAGE PLAN

Sheet of
C-101R