CITY OF ALBUQUERQUE

Timothy M. Keller, Mayor

January 19, 2018

Martin Garcia, PE
Anchor Engineering LLC
1035 S. Bosque Loop
Bosque Farms, NM, 87123

RE: R&R Trucking
7021 Huseman Place SW
Request for Permanent C.O. – Accepted
Engineer's Certification Date: 01/09/18
Engineer's Stamp Date: 4/20/17
Hydrology File: M10D016I

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

Dear Mr. Garcia:

Based on the Certification received 01/11/18 and site visit on 01/18/18, the site is acceptable for a Permanent Certificate of Occupancy by Hydrology for 7021 Huseman Place SW.

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

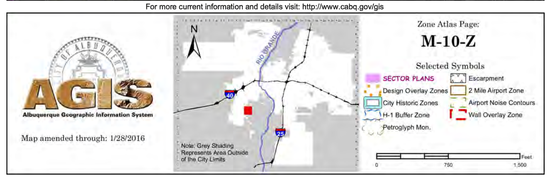
Sincerely,

Renée C Brissette

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

Orig: Drainage File

For more current information and details visit: http://www.cabq.gov/gis



Project Benchmark

THE BENCHMARK FOR THIS PROJECT LOCATED AT 7021 HUSEMAN PLACE S.W. IS AN ACS BRASS CAP STAMPED "9-M11" LOCATED NEAR THE INTERSECTION OF HUSEMAN PLACE AND COORS ROAD S.W.

N: 1502853.750
E: 1472371.000
ELEV: 4957.54 (NAVD88)

LOCAL BENCHMARK:

THE LOCAL BENCHMARK IS A SET NAIL WITH TAG STAMPED "LS8911"

N: 1508034.987
E: 1476142.668
ELEV: 4986.25

Drainage Narrative

THE PURPOSE OF THIS GRADING AND DRAINAGE PLAN FOR 7021 HUSEMAN PLACE S.W. IS TO ACCOMMODATE A NEW OFFICE BUILDING. CURRENTLY THE SITE HAS AN EXISTING CANOPY STRUCTURE AND PRE-MANUFACTURED BUILDING. THE SITE CURRENTLY IS BOUND TO THE SOUTH AND EAST BY AN IMPROVED LOT AND TO THE WEST BY THE RIVERSIDE MOBILE HOME PARK.

THE SITE SLOPES FROM THE WEST TO THE EAST AND CURRENTLY DISCHARGES ALL RUN-OFF. THE PROPOSED SITE WILL INTRODUCE A NEW POND AND REDUCE THE RUN-OFF ONTO HUSEMAN PLACE.S.W.

Drainage Calculations

R&R TRUCKING - 7021 HUSEMAN PLACE				
Hydrology Calculations				
Date: November 11, 2003				
DPM - Section 22.2				
Volume 2, January 1993				
Precipitation Zone	***1***			
100 Year Storm Depth, P (360)	***2.2***			
100 year Storm Depth, P (10 day)	***3.67***			
Treatment Area	A	B	C	D
Excess Precipitation Factors	***0.44***	***0.67***	***0.99***	***1.97***
Peak Discharge Factors	***1.29***	***2.03***	***2.87***	***4.37***
Land Treatment Area	Acres	Existing	Proposed	
Type "D" (Roof)		***0.19***	***0.36***	
Type "C" (Unpaved Roadway)		***0.83***	***0.56***	
Type "B" (Irrigated Lawns)		***0.00***	***0.10***	
Type "A" (Undeveloped)		***0.00***	***0.00***	
Total (Acres)		1.02	1.02	
Excess Precipitaion(in)		1.17	1.30	
Volume (100), cf		4341.48	4830.08	
Volume (10),cf		2908.79	3236.15	
Volume (100,10 day), cf		5355.34	6751.07	
Q (100), cfs		3.21	3.38	
Q (10), cfs		2.15	2.27	

Pond Volume

FLUSH POND

IMPERVIOUS AREA —— 0.36 x 43560 = 15681.60 SF

PONDING REQUIRED —— $15681.6 \times \frac{.34}{12} = 444.31$ CF

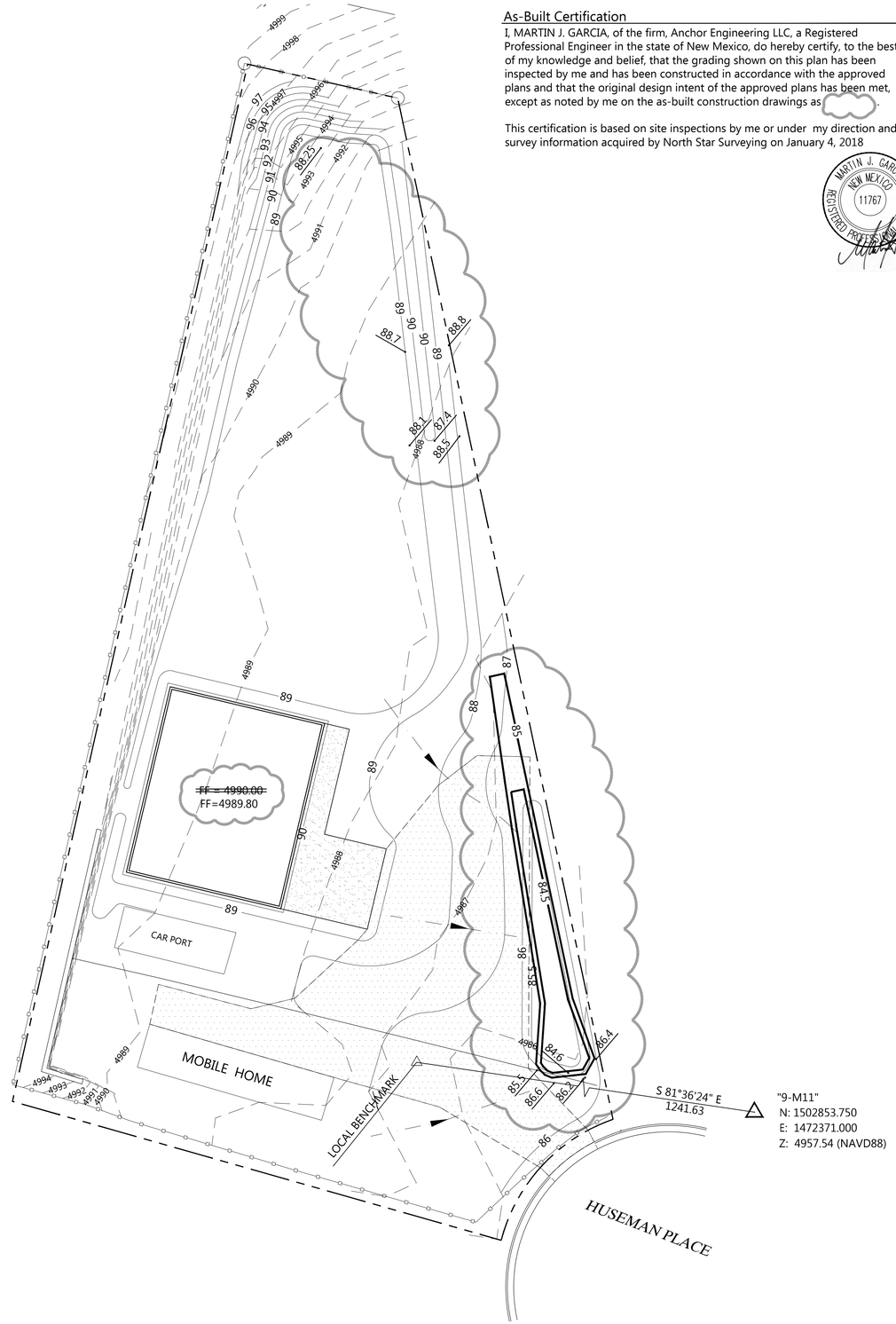
PONDING PROVIDED:

~~A86 = 1172.50 SF~~ A85 = 1153.43 SF
~~A85.5 = 624.84 SF~~ A84.5 = 627.67 SF

VOL 84.5 & 85: $\frac{\text{~~1172.50 + 624.84~~}}{1153.43 + 627.67} = \frac{\text{~~1797.34~~}}{2} \times 0.5 = \text{~~449.33 CF~~}$ 445.28 CF

Legend

- PROPERTY BOUNDARY
- 4990 — EXISTING CONTOUR
- EXISTING STRUCTURES
- EXISTING FENCELINE
- 88 — NEW CONTOUR
- FF — FINISH FLOOR
- NEW BUILDING
- NEW CONCRETE



GRADING AND DRAINAGE PLAN

SCALE: 1" = 20'

As-Built Certification

I, MARTIN J. GARCIA, of the firm, Anchor Engineering LLC, a Registered Professional Engineer in the state of New Mexico, do hereby certify, to the best of my knowledge and belief, that the grading shown on this plan has been inspected by me and has been constructed in accordance with the approved plans and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings as .

This certification is based on site inspections by me or under my direction and survey information acquired by North Star Surveying on January 4, 2018

MARTIN J. GARCIA NEW MEXICO 11767 REGISTERED PROFESSIONAL ENGINEER
1/9/18

MARTIN J. GARCIA NEW MEXICO 11767 REGISTERED PROFESSIONAL ENGINEER
AS-BUILT

Anchor Engineering, LLC
1035 S. Bosque Ln. Bosque Farms, NM 87068
admin@anchoreng.net
505.362.1530

REVISIONS

NO.	DATE	COMMENTS

PROJECT NO.	17-010
DATE:	4.20.2017
DRAWN BY:	F PHILLIPS
CHECKED BY:	M GARCIA
SCALE:	1" = 20'

PROJECT TITLE: R&R TRUCKING
7021 HUSEMAN PLACE, S.W.
ALBUQUERQUE, NEW MEXICO

SHEET TITLE: GRADING AND DRAINAGE PLAN

SHEET
C1