

CITY OF ALBUQUERQUE



Richard J. Berry, Mayor

April 13, 2017

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

RE: R&R Trucking – 7021 Huseman Place SW
Grading and Drainage Plan
Stamp Date: 3/31/17
Hydrology File: M10D016I

Dear Mr. Garcia:

Based upon the information provided in your submittal received 4/7/2017, the Grading and Drainage Plan **is not** approved for Grading Permit. The following comments need to be addressed for approval of the above referenced project:

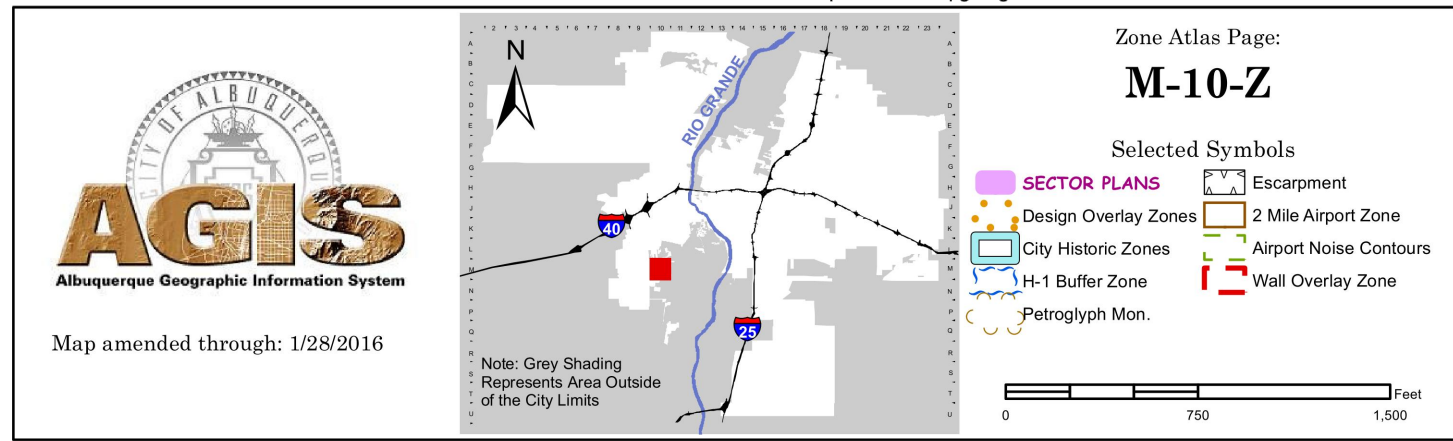
1. There appears to be existing asphalt on the site. Please show it if it exists. This may affect the proposed grading.
2. There appears to be an existing driveway. Please show this if it exists.
3. Under the Drainage Calculations – Existing Conditions, This site appears to have been reworked over the past several years based on historical imagery. If this is the case, than the site is not Type “A” but Type “C”. Also as mentioned in item #1, the existing asphalt is Type “D”. Also the existing carport and mobile home are Type “D”. This should just change the existing runoff.
4. It appears that the majority of the runoff from the proposed building outfalls towards the SE corner of the property before entering the Huseman Place curb drainage system. Please add the first flush basin in this area for the runoff.

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

Sincerely,

Renee C. Brissette

Reneé C. Brissette, P.E.
Senior Engineer, Hydrology
Planning Department



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) | | 0.00 | 0.17 | |
| Type "C" (Unpaved Roadway) | | 0.00 | 0.85 | |
| Type "B" (Irrigated Lawns) | | 0.00 | 0.00 | |
| Type "A" (Undeveloped) | | 1.02 | 0.00 | |
| Total (Acres) | | 1.02 | 1.02 | |
| Excess Precipitaion(in) | | 0.44 | 1.15 | |
| Volume (100), cf | | 1625.95 | 4263.14 | |
| Volume (10),cf | | 1089.39 | 2856.31 | |
| Volume (100,10 day), cf | | 1625.95 | 5170.28 | |
| Q (100), cfs | | 1.31 | 3.18 | |
| Q (10), cfs | | 0.88 | 2.13 | |

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

Pond Volume

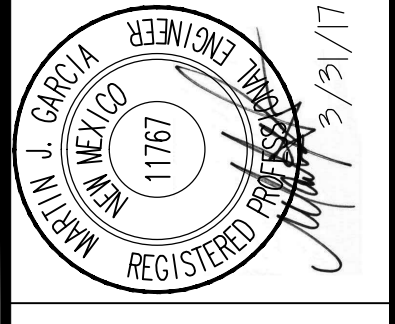
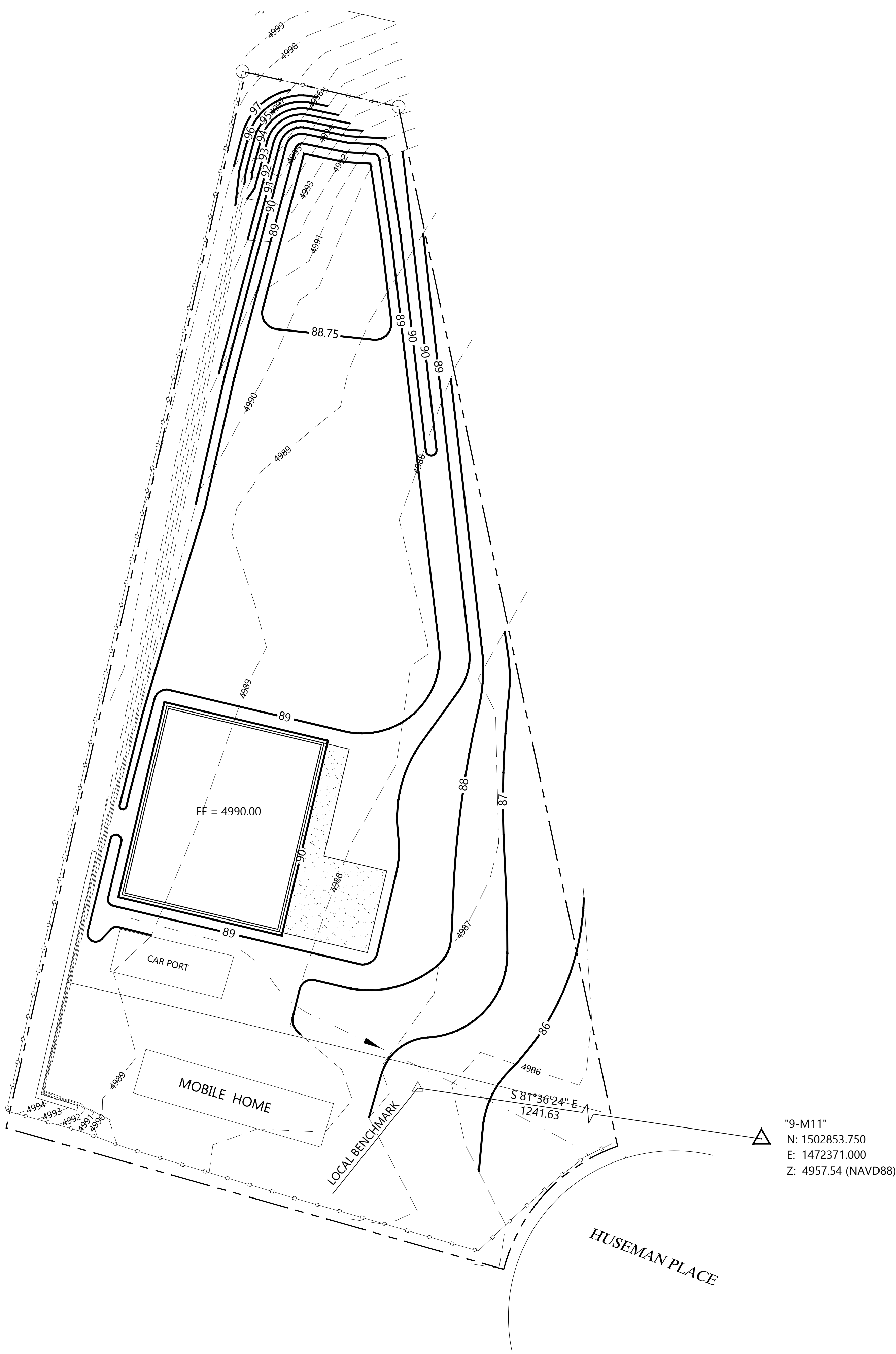
FLUSH POND
IMPERVIOUS AREA $0.17 \times 43560 = 7405.20 \text{ SF}$
PONDING REQUIRED $7405.20 \times \frac{34}{12} = 209.81 \text{ CF}$
PONDING PROVIDED:
A88.75 = 1632.00 SF
A89.00 = 1632.00 SF
VOL 88.75 & 89: $1632.00 + 1632.00 = \frac{3264.00}{2} \times 0.25 = 408.00 \text{ CF}$

Legend

- PROPERTY BOUNDARY
- EXISTING CONTOUR
- EXISTING STRUCTURES
- EXISTING FENCELINE
- NEW CONTOUR
- FINISH FLOOR
- NEW BUILDING
- NEW CONCRETE

GRADING AND DRAINAGE PLAN

SCALE: 1" = 20'



| NO. | DATE | COMMENTS |
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| PROJECT NO. | 17-010 |
| DATE: | 3.31.2017 |
| 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