## **CITY OF ALBUQUERQUE**



Aug. 14, 2017

Philip Clark Clark Consulting Engineers 19 Ryan Road Edgewood, NM 87015

RE: Premier M.H Display Yard Grading Plan Engineer's Stamp Date 8/4/17 Hydrology File: M14D012C2

Dear Mr. Clark:

Based on the information provided in the submittal received on 8/7/17 the above-referenced Grading Plan cannot be approved for Building Permit until the following are addressed:

 The Grading and Drainage Plan notes should start by stating the drainage management plan for the site. The drainage management plan for this site was established when this property was subdivided in 1997. This site will ultimately be allowed free discharge after downstream storm drains are constructed, but until then this site must retain all of the runoff from the 100 year 10 day storm. Storm drain in Bethel Ave is required infrastructure to be constructed by this development as frontage improvements prior to allowing free discharge from this site. AMAFCA's 2018 Project Schedule identifies additional projects to provide an adequate outfall south of Bethel.

2. Drainage problems along Arno and Broadway are still unresolved, so temporary onsite retention is still required.

3. The drainage infrastructure in San Jose Ave. and Broadway Blvd. is not designed to receive any drainage from this lot, so drainage will not be allowed to discharge to either of those two streets. The statement in the Grading and Drainage Plan that says "The current pond will be removed since upstream detention has been provided with development" is unfounded and should be deleted unless that analysis is added to this project in the form of a report.

4. Offsite basins, lot 1A-1, must be clearly shown on the plan (or on a separate basin map) using a base map that includes property lines contours, and all storm drains, roads, C&G, ditches, and berms as necessary to support the chosen location of the basin boundaries. Flow arrows should be shown on the map indicating concentrated flow paths especially at the point of discharge from each of the basins.

5. If this project does not provide a report to demonstrate the adequacy of the San Jose and Broadway storm drains then all of the runoff from the 100 year 10 day storm

Albuquerque

New Mexico 87103

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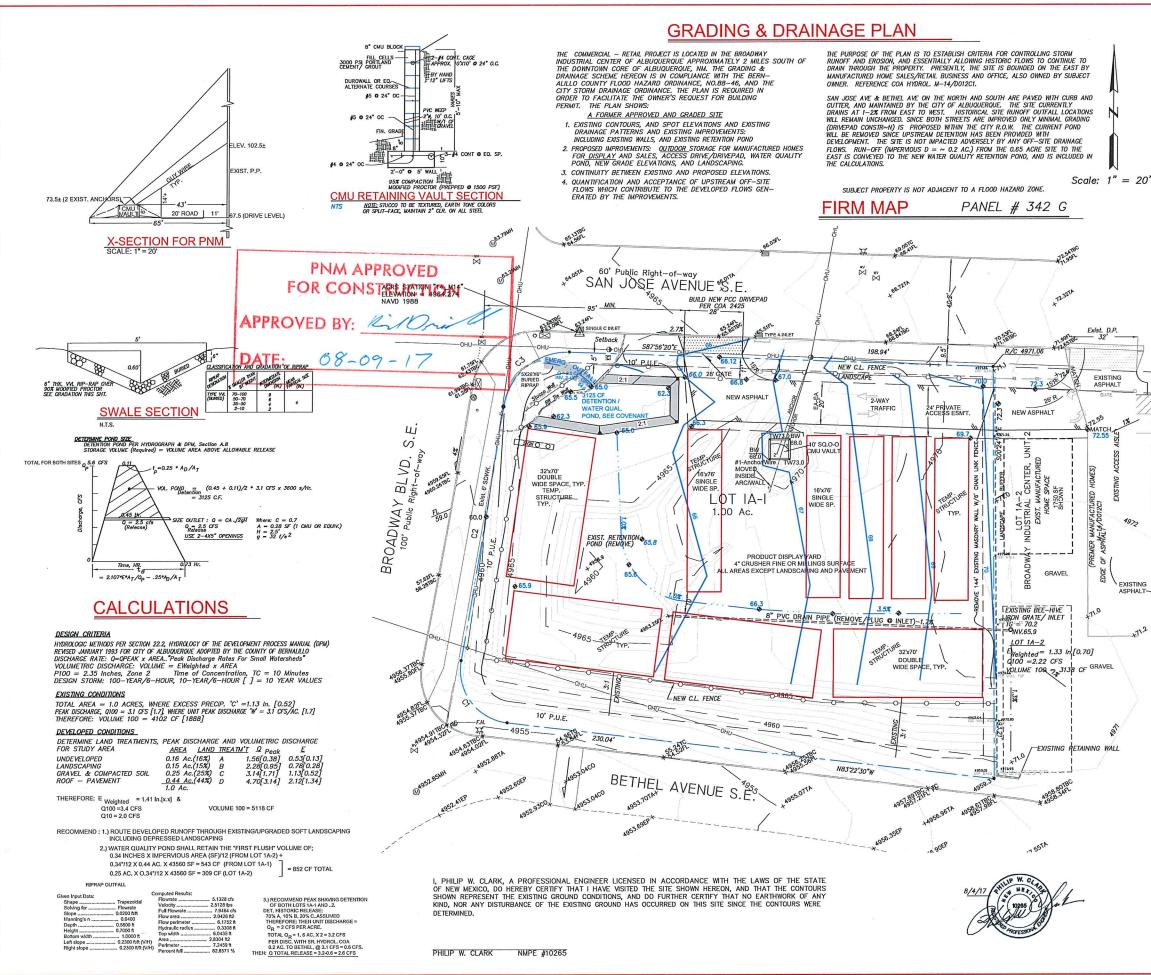
must be retained onsite including the runoff from lot 1A-1 east of this site. Runoff from the slopes on the south and west sides of the site should also be retained. The emergency overflow spillway needs to be sized to pass the peak inflow with 1' of freeboard,

- 6. If capacity is demonstrated in San Jose and a detention pond is to remain part of the drainage management plan then Additional detail is required for the pond outfall. The pond hydrograph calculations state two 4x5" openings will be used but no details are provided.
- 7. The topography certification can be removed sense that is a Bernalillo county requirement and not a City of Albuquerque requirement. Instead please add a note identifying the source of the topographic information including the surveyor's name and professional registration number.
- 8. The floodplain note should include the flood insurance rate map number and the effective date. This note should be included in rest of the drainage notes on the sheet rather than being randomly placed on the sheet.
- 9. The Statement "A Former Approved and Graded Site" is inappropriate as a title to the 4 notes that follow the statement.
- 10. Provide cross lot drainage and access easements for lots 1A-1 and 1A-2.
- 11. A Drainage Covenant will be required for the new pond.
- 12. Written approval must be obtained from PNM to move their guy wires and work in their easement.
- 13. Written approval must be obtained from the owners of lot 1A-2 to remove their wall.
- 14. The new driveway entrance off San Jose cannot be placed over the transition slab for the existing inlet. The d
- 15. An approved ESC Plan is required for this site.

If you have any questions, I can be contacted at 924-3986 or jhughes@cabq.gov.

Sincerely, Jami O Begle

James D. Hugher P.E. Principal Engineer, Planning Dept. Development Review Services





 Clark
 Consulting
 Engineers

 19
 Ryan
 Road

 Edgewood, New Mexico
 87015

 Tele:
 (505) 281-2444
 Fox:

 DATE
 REWSION
 LOT 1A-1, BROADWAY BUSTRAL CENTER, UNIT 2

 BRIAT
 ADDR. D.P.MORCI
 BETANULLO COUNTY, NEW MEXICO

 BRIAT
 COMMENTIS (2)
 2700

 COMMENTIS (2)
 A RECMIRE DEVELOPMENT

 Site - Grading &
 Drainage Plan

 DESIGNED BY: PWC
 DATE:
 JNE2017
 FILE & G/D
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 0F 1

PROJECT BENCHMARK TOP OF AGRS MONUMENT AT THE PROJECT NORTHWEST CORNER / ESE CURB RETURN MSL ELEVATION = 4964.27, SEE PLAN.

OVIDED BY ALPHA PRO SURVEYING, LLC, DATED FEBRUARY 2015

TOPOGRAPHIC DESIGN SURVEY