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1. Call to Order and Roll Call

Chair Brown called the Regular Board Meeting to order at 10:00 a.m. Thursday, October 22, 2015. Roll was noted as follows:

Directors present:	Chair Ronald D. Brown Director Cynthia D. Borrego Director Tim Eichenberg Director Bruce M. Thomson
Directors excused:	Director Deborah L. Stover
Attorney present:	Attorney Vanessa Chavez, Robles, Rael & Anaya
Others present:	Jerry M. Lovato, P.E., Executive Engineer Staff Other attendees on file at AMAFCA

A quorum was present.

Chair Brown announced that Director Stover was on a prescheduled trip out of the country and would not make the meeting. Chair Brown stated that due to a commitment out of town at 4:15 p.m., he will need to leave the meeting at 1:00 p.m.

2. Approval of Agenda

Mr. Jerry Lovato, AMAFCA Executive Engineer, stated that the Item 8a the Executive Engineer's report was a handout and Item 15 included a supplemental piece from the Ditch Safety Task Force which had been sent to the Directors.

Director Eichenberg made a motion to approve the agenda. Director Thomson seconded the motion, which passed unanimously (4-0).

3. Meetings Scheduled

- a. **November 19, 2015, 10:00 a.m. – Regular Meeting**
- b. **December 17, 2015, 10:00 a.m. – Regular Meeting and Holiday Luncheon**
- c. **January 28, 2016, 10:00 a.m. – Regular Meeting**



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Chair Brown stated that the November and December meeting dates were scheduled for the third Thursday of the month due to the holidays that are around the fourth Thursday of the month. There were no changes to the meeting dates.

4. Items from the Floor/Public Comments

Chair Brown welcomed Ms. Judith Wong with the City of Albuquerque (CoA) Parks and Recreation Department. Ms. Wong thanked the Board for allowing her to speak. She expressed her thanks to AMAFCA and Mr. Kurt Wagener, in particular, for the help that was provided on the Academy Hill Park location. She advised that CoA was not used to the kind of emergency that happened in the channel, which was built in the 1970s (the Board had been updated of the emergency work at the September Board meeting). Due to the limited CoA funding, Mr. Wagener was called and AMAFCA came through and approved using the Agency and Area-Wide contract to help fund the emergency repairs for the Academy Hill Park and Channel location. Responding to a comment from Chair Brown, Ms. Wong confirmed that the park is a very popular one and the park itself is in a unique location. She stated that Mr. Wagener was on-site often to monitor and kept her updated along the way. She stressed that AMAFCA really came through and CoA was very grateful for the help. Chair Brown thanked Ms. Wong for coming out and personally expressing her thanks.

5. Approval of Minutes

a. September 24, 2015 Regular Meeting

Director Thomson noted that on page four, 100-150 homes in the study region should be listed as there are approximately 100-150 homes in the floodplain.

Director Borrego made a motion to approve the minutes, as amended. Director Thomson seconded the motion, which passed (4-0).

6. Financial Matters

a. Approval of September 2015 Expenditures

Mr. Herman Chavez, AMAFCA Finance and Administration Manager, presented the September 2015 Expenditures.

Responding to a question from Chair Brown, Mr. Chavez stated that payroll averages between \$82K and \$85K, per pay period, and confirmed it will not distort the monthly Profit and Loss Report. Mr. Chavez further stated that CoA is turning around the invoices quicker than they have in the past. Responding to a question from Director Eichenberg, Mr. Lovato stated that Southwest



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Sewer had cleaned out the sub-drain system on the east side of the North Diversion Channel and video-taped the drain. Responding to a question from Chair Brown, Mr. Lovato stated that the cleaning done by the vactor service company is scheduled on a yearly basis. If an inspection notes that another vactor cleaning is needed, it will be scheduled.

Director Thomson made a motion to approve the September 2015 Expenditure Report. Director Borrego seconded the motion, which passed (4-0).

Chair Brown referred back to this item near the end of the meeting to give Mr. Chavez the opportunity to mention a change in the Financial Report. Mr. Chavez referred the Board to the Construction Fund page and noted that after the Total Funds on Deposit for Period there is an area added under Assigned Construction Funds. This portion of the report reflects the actual net available.

b. Bank Reconciliation Fiscal Agent Funds

Mr. Herman Chavez, AMAFCA Finance and Administration Manager, presented the Bank Reconciliation Fiscal Agent Funds. No Board action was required. There were no questions.

c. Investment Report for September 2015

Mr. Herman Chavez, AMAFCA Finance and Administration Manager, presented the Investment Report for September 2015. He noted that the yield has increased. No Board action was required. There were no questions.

d. Financial Position Recap September 16, 2015 through October 15, 2015 & Forecast October 16, 2015 through November 15, 2015

Mr. Herman Chavez, AMAFCA Finance and Administration Manager, presented the Financial Position Recap and Forecast.

Responding to a comment from Director Thomson on how the Forecast and Expenditures seemed to line up more closely than in the past, Mr. Lovato stated that staff did the work to make the report more efficient. Responding to a request from Director Borrego to bring to the attention of the Board any area(s) of the budget which may be overrun, Mr. Lovato stated that the next Board mailout will consist of quarterly financial reports that show where AMAFCA is to-date compared to budget. The format was recently changed and the first full quarter will be available next month.

Director Eichenberg made a motion that the Board approve the Financial Forecast. Director Thomson seconded the motion, which passed (4-0).



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e. AMAFCA FY2015 Audit Exit Conference (§2-2-2-10(J)) - Closed Session (§10-15-1(H))

Chair Brown advised that Item 6e was a Closed Session agenda item. Mr. Martin Mathisen and Mr. Jeremy Jinnett with Atkinson and Company were present. Director Thomson made a motion that the meeting be closed, pursuant to the Open Meetings Act, §10-15-1 NMSA 1978, Subsection H, to preserve the confidentiality of the information to be discussed, and as further described in “*The Open Meeting Act, A Compliance Guide for New Mexico Public Officials and Citizens*,” eight edition, 2015, to discuss the FY-2015 Audit. Director Borrego seconded the motion, which passed unanimously (4-0), on a roll call vote.

Chair Brown closed the meeting at 10:15 a.m. Mr. Chavez asked that the AMAFCA staff who were present remain for the closed session. Chair Brown asked for a motion to re-open the meeting at 10:58 a.m. Director Thomson made a motion that the meeting be re-opened. Director Borrego seconded the motion, which passed unanimously (4-0), on a roll call vote. Director Thomson stated that no action was taken during the Closed Session. Chair Brown stated that the Audit was discussed and contents of an Audit are not available for public view until it has been reviewed and released by the State Auditor.

7. Legal

Attorney Vanessa Chavez stated that the memo to the Board pertained to various legal matters. Responding to a question from Director Thomson, Ms. Chavez stated that Item 4 on the report was for the Aggregate Waste Load Allocation. Responding to a question from Director Thomson, Mr. Lovato stated that the item concerned the new Watershed Based Permit and in order to propose to the Environmental Department that the permittees allocate the Waste Load Allocation among the cooperative, Legal needed to be involved. Otherwise, the allocation would be set by the State of New Mexico. Responding to a question from Director Thomson, Mr. Lovato stated that Environmental Department had agreed, but they need to see what the process for the cooperative will be. Director Borrego stated she read the revised AMAFCA Personnel Manual and was impressed.

8. Executive Engineer's Report

a. Notification of Past Month's Activities

Mr. Jerry Lovato, AMAFCA Executive Engineer, highlighted significant activities of the past month:

- **Bernalillo County - Sunset Boulevard Storm Drain:** Staff has been meeting with Bernalillo County staff to discuss the Sunset Road project and a schedule that will remove



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floodplain by fully utilizing the Sanchez Farm Pump Station. Bernalillo County has completed the construction of the Goff Road drainage improvements between Isleta and Bridge Boulevard. Runoff is now collected and piped to the Sanchez Farm Pump Station. Bernalillo County is scoping the project to include floodplain removal just north of Bridge Boulevard and south to Isleta Boulevard. Bernalillo County will present to the Board at a future meeting a proposal to fund the project.

Garduño Storm Drain Project: Bernalillo County is currently trying to identify alternatives to address the removal of floodplains north of Paseo del Norte. Bernalillo County has taken the lead and will present to the AMAFCA Board at the November Board Meeting a draft agreement to replace the 2008 agreement.

- **Environmental Protection Agency (EPA) Urban Waters Federal Partnership:** EPA will help facilitate discussions between permittees in the establishment of the first cooperative agreements in support of the new Watershed Based Permit. The first meeting will be October 29, 2015, at 10:00 a.m. The meeting will focus on how the cooperatives can reduce the costs associated with compliance.

Director Thomson advised he would like to attend the meeting. Mr. Lovato stated he will send out information to any Director who wished to attend.

- **Public Outreach**

Pond 187 – Informational Meeting to Introduce the Construction Project: This is for the AMAFCA portion of the Southwest Valley Flood Reduction Project. AMAFCA will be conducting a public meeting at the end of October at Navajo Elementary School to introduce the project. The project will be started and feedback will be obtained from the public meeting.

AMAFCA Snowman: The November/December AAA Magazine will have an article featuring the AMAFCA Snowman. The writer came out in December of 2014 to gather information for the article. Director Eichenberg suggested that an invite to the December Board meeting and Board Holiday luncheon be sent to the AAA group. Mr. Jeffrey Willis, AMAFCA Real Estate Manager, stated that he has the writer's contact information and an invite will be sent.



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Responding to a question from Director Borrego, Mr. Lovato stated that there were approximately 15 community members at the Public Meeting for the San Mateo to Moon Mini Drainage Management Plan held at the Expo Grounds.

b. Notification of On-Call Services Task Orders

Mr. Lovato referred to his memo for the task orders that had been issued the prior month. There were no questions.

Consent Agenda:

Chair Brown stated that agenda Items 9 through 18 were on the Consent Agenda. No items were moved from the Consent Agenda. There being no further items on the Consent Agenda, Director Thomson made a motion that the Board:

- Authorize the Executive Engineer to advertise a RFP for the Agency and Area-Wide Flood Control Maintenance Design and Construction Management Services Contract 2015-2016;
- Authorize the Executive Engineer to advertise a RFP for On-Call GIS, IT, DBA, and Mobile Services;
- Authorize the Executive Engineer to advertise a RFP for Design Engineering Services for the Valle de Oro Drainage Facilities Design Project;
- Authorize the Executive Engineer to extend the On-Call contracts with Brooks Pearsall Zantow, LLC, Commercial Appraisal Inc., and Shipman/Foley & Associates, Inc., for Real Estate Appraisal Services; each for a one-year term, as per the provisions of the contracts;
- Authorize the Executive Engineer to extend the On-Call contract with Eagle's Eye Aerial Photo Solutions for a one-year term, as per the provisions of the contract;
- Authorize the Executive Engineer to extend the On-Call contracts with Community Sciences Corporation, High Mesa Consulting Group, Souder Miller & Associates, and Wilson & Company for Surveying Services; AMEC Foster Wheeler Environmental & Infrastructure, Inc., NV5, Inc. (formerly Kleinfelder West, Inc.), Terracon Consultants, Inc., and X8e Vinyard & Associates for Geotechnical/Environmental Engineering Services; each for a one-year term as per the provisions of the contracts;
- Authorize the Executive Engineer to extend the agreement with Griffin & Associates for one year;
- Authorize the Executive Engineer to advertise a RFP for General Counsel Services;
- Authorize the Executive Engineer to advertise for construction bids for the North Diversion Channel Outfall Grade Control Structures Modifications – Embayment Regrading Project; and



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- Authorize the Executive Engineer to advertise for construction bids for the Pond 187A/187 Conveyance Project.

Director Borrego seconded the motion, which passed (4-0).

Responding to a question from Director Borrego regarding the Ditch Safety Program being called out on the AMAFCA website, Mr. Lovato stated that, per her request, the day after the September Board meeting, the website was modified and a link on the front page of the website was made to connect directly to the Ditch the Ditches page, which is run through the Ditch and Water Safety Coordinator.

Chair Brown announced that Ms. Joannie Griffin with Griffin and Associates was in a bad bicycle accident and was out on medical leave the last he heard.

Responding to a question from Director Thomson, Mr. Lovato stated that the ad for Item 18 will be advertised in the paper starting on Sunday, October 25, 2015.

Regular Agenda:

19. 2015 AMAFCA Miscellaneous Construction Project – Award of Contract

Mr. Kevin Troutman, AMAFCA GIS Manager, stated the Board authorized bids in September. Four contractors submitted bids. AECOM reviewed all bids and found all to be responsive. One bid had a numerical error; however, it did not change the ranking order. AECOM had recommended, and staff concurred, that Star Paving Company was the lowest responsible bidder.

Director Thomson made a motion that the Board accept Star Paving Company as the lowest responsible bidder and authorize the Chair to execute the contract with them for the construction of the 2015 Miscellaneous AMAFCA Construction Project in the amount of \$527,755.00, plus New Mexico Gross Receipts Tax. Director Borrego seconded the motion, which passed (4-0).

20. 2015 Monsoon Season Recap/Winter Outlook

Mr. Kevin Troutman, AMAFCA GIS Manager, stated the recent monsoon season was very interesting.

The presentation covered some of the following:

- Daily Average Dew Point;
- June Precipitation = Normal 0.66” vs. 2015 0.56”;



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- July % of Average Precipitation, was an above normal month with 3.28” of rain due to a couple of storms early in the month;
- July Precipitation = Normal 1.50” vs. 2015 3.28”, 4th wettest July on record;
- July 6-7, 2015 rainfall set a new 24-hour rainfall record with 2.24” of rain;
- Vegetation Comparison in the Sandia Mountains – August 2011 vs. 2015;
- August % of Average Precipitation, complete opposite of July;
- August Precipitation = Normal 1.58” vs. 2015 0.32”; 10th driest August on record;
- September % of Average Precipitation, continued the dry trend which started in August;
- September Precipitation = Normal 1.08” vs. 2015 1.19”, covered the storms from September 22, 2015, runoff in the North Diversion Channel had only five flows over 1,000 cubic feet per second (cfs), the highest was only 4,000 cfs;
- 2015 Monsoon Recap, 2015 water year (October 2014 through September 2015), Albuquerque was above normal, received 11.01” of rain; 1.56“ over normal;
- 2015 Precipitation = Normal 7.86” vs. 2015 9.10”, storm near the end of September ensured stayed above normal;
- Sea surface temperature anomalies in the equatorial Pacific have been well above normal
- El Niño Comparisons were 1982, 1997, and 2015;
- El Niño current forecast to strengthen during the winter before returning to normal conditions by next summer; and
- El Niño Probabilities - Climate Prediction Center (CPC) outlook for the winter calls for a chance of above normal precipitation; indicating a chance of below normal temperatures.

Mr. Lovato stated that there had been an increase in crew overtime due to the additional rain events. This enabled growth of weeds and vegetation that needed to be removed from almost all AMAFCA facilities. Sediment removal is usually the reason for overtime after the monsoon season. He further stated that the AMAFCA Budget does cycle with the rain events.

21. San Mateo to Moon Mini Drainage Management Plan – Project Update – Existing Condition Model and Identification of Potential Ponding Areas

Mr. Jerry Lovato, AMAFCA Executive Engineer, stated that Mr. Patrick Chavez, AMAFCA Storm Water Quality Engineer, would not be present for the meeting due to being at the EPA conference in Hot Springs, Arkansas. Mr. Lovato stated that Mr. Chris Naidu and Mr. Doug Andrews with Smith Engineering were present. As mentioned at the September Board meeting, Smith Engineering did a hydraulic and hydrologic modeling analysis. The study area extended west to east from San Mateo to Moon, and north to south from I-25 to Zuni. The analysis showed that the storm drain system worked very well, but it depended on where it rained as the existing storm drains in the study area generally flow south to north and surface flows run east to west.



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A public meeting took place on October 6, 2015, at the African American Performing Arts Center located at the Expo New Mexico grounds. The meeting was attended by approximately 15 people; Director Thomson and Councilor Gibson were present as well. After introductory remarks, a presentation was given, followed by a comment session focused on gathering first-hand information on the various flooding issues and problem areas that have been historically observed. The comments received tracked on course with the results of the computer model, relative to the ponding associated with over-capacity storm drains in the study area. The feedback was synthesized regarding various problem areas throughout the watershed. Smith Engineering, with the assistance of AMAFCA staff, began the development of options and recommendations to address the volume of peak runoff that exceeds the capacity of the existing storm water infrastructure in the watershed.

With input from the Board, AMAFCA and Smith Engineering will concentrate on using ponding to address over capacity. Responding to a question from Chair Brown, Mr. Lovato stated that the information contained in the memo from the Board mailout package is correct; a portion of I-40 Channel is over capacity. He further stated that two years ago, NMDOT and AMAFCA did an analysis that identified issue. The I-40 Channel is accepting a lot more water than can be passed through the box culverts. Responding to a question from Chair Brown, Mr. Lovato stated that the conveyance is over capacity at the Pavilions (around San Mateo and Morningside). He further stated that the Board decided about two years ago that NMDOT is responsible for that channel and they actually need to manage the channel. Responding to question from Chair Brown, Mr. Kurt Wagener stated that the four-barrel box culvert that goes under the Pavilions carries approximately 9,000 – 10,000 cfs. The channel carries an estimated 12,000 cfs upstream of the Pavilions. He further stated that hypothetically, if all inputs (approximately 110 to 117) are filled up, then 18,000 cfs is aimed at the channel. In the analysis, once the flow gets to the box culvert it spills into I-40. NMDOT has been instructed not to add more water to that channel. Mr. Lovato pointed out the potential ponding locations that are being considered, as well as other locations, outside of the study area. This project would be phased by starting from the top of the basin and work down. The Drainage Basin Map presented 11 possible pond locations in the study area and 7 possible pond locations outside the study area. Pond locations include parks, schools, open spaces, and properties known to be in foreclosure. Looking at detention ponds proved a significant reduction in floodplain downstream around Louisiana and San Pedro. Ponding was determined to be the best approach to handle excess runoff generated both within and from outside the study area. Ponding also addresses the already overcapacity I-40 Channel to the north.

Suggested pond areas include: Pond #1 which is State property near the National Guard Armory that has 29-30 acre feet of storage. Ms. Lynn Mazur, AMAFCA Development Review Engineer, stated CoA is looking at putting a park at the Armory and Mr. Shahab Biazar with CoA confirmed the same. Pond #4 is the Caravan location, which would be a tremendous benefit. The side or the parking lot on this property would be utilized. Pond #11 is the Expo New Mexico/Racetrack. More parking spaces would need to be taken up at the location or the existing pond would need to be



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deeper. If pipes will be put in, there would be a dual system, which consists of installing a large storm drain. This would remove and replace an entire roadway at this location. Director Thomson advised that the map that was used for both the public and Board meeting was not an accurate record of the study area since it went down Zuni.

Mr. Bradley Bingham, AMAFCA Drainage Engineer, stated Pond #12 on Kirtland Air Force Base (KAFB) is a critical area in which a pond would significantly reduce flow in the San Mateo system. It would also improve the situation west of San Mateo. Responding to a question from Chair Brown, Mr. Bingham stated that the pond would take 30 acre feet and reduce the 500 cfs down to 30 cfs, and confine the flow to the storm drain. Responding to a question from Chair Brown, Mr. Lovato confirmed that most of the area cannot be taken care of until the situation with KAFB is resolved. Responding to a question from Chair Brown, Mr. Lovato stated he had not spoken with KAFB officials recently. He further stated there is a new Civil Engineer coming in. Director Thomson advised that AMAFCA had met with KAFB numerous times. The last meeting approximately three months ago, included County Commissioner Mary Hart-Stebbins, the new Base Commander, and himself. At that time, the Commander was not aware of the flooding issues; however, he had only been there for a few months. The Deputy Commander was not aware of the flooding either and he had been at KAFB for over a year. It is time to meet with KAFB again. Chair Brown suggested getting the two New Mexico Senators involved to help get KAFB to move on this issue. Director Thomson stated that the issue with KAFB was not a money issue since AMAFCA had made a commitment to pay for the pond. The KAFB issue with AMAFCA paying for the pond is that it would be considered a donation; which is not allowed. It has been stressed that this would be considered a partnership between KAFB and AMAFCA for emergency preparedness.

Responding to a question from Chair Brown, Mr. Bingham advised the golf course has an area that might be utilized for a pond. Mr. Lovato advised that it would be approximately three acres. Responding to a question from Director Eichenberg, Mr. Bingham advised there is a CoA Housing Project in that area as well.

Responding to a question from Director Borrego, Director Thomson stated that the individuals who show up at public meetings are those who are really concerned. At the public meeting at Expo New Mexico there is concern just east of the Fair Grounds and a concern west of San Mateo. Mr. Lovato mentioned that there was a lot of concern about the pedestrian activity along Zuni.

Responding to a question from Director Thomson, Mr. Lovato stated that multi-use facilities can be utilized; if they can be done and still achieve the level of flood protection necessary.

Responding to a question from Director Borrego, Mr. Lovato stated that there currently is ponding at Expo New Mexico. Mr. Doug Andrews with Smith Engineering advised the pond area is approximately 50 acre feet. Responding to a question from Director Thomson, Mr. Lovato



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advised that the area at the corner of Lomas and San Pedro contains a pond, but it is a Concentrated Animal Feeding Organization (CAFO). This is a closed basin that goes into the sanitary sewer system. Responding to a question from Director Borrego, Mr. Lovato advised that the parking area is a concern of Expo New Mexico. He further stated that the Expo is working with AMAFCA. Mr. Bingham stated that parking is a source of income for the Expo.

Director Borrego stated that there is a Sector Plan in an area and zoning may need to be changed to cover some of the multi-uses. There was a discussion regarding a trailer park and other locations in one of the locations that might be utilized as a multi-use property. It was also mentioned that this area had multi-family, low-income housing and the trailer parks are someone's home(s).

Mr. Lovato asked for Board approval to pursue the other avenues, as presented. Chair Brown suggested analyzing the Armory, Golf Course, KAFB, and the Caravan East and report back to the Board in November and on a monthly basis.

Chair Brown moved agenda Item 22a Field Highlights and 22b Construction Report to after Item 25. Director Eichenberg seconded motion. Agenda Items 23 Real Estate and 24 AMAFCA CY-2016 Project Schedule – Review of Draft Project Listing were moved up.

23. Real Estate

a. Agricultural Lease – Rutherford Property – Approval of Lease Agreement

Director Eichenberg made a motion that the Board approve the Lease Agreement with Mr. Marvin Abeita and authorize the Executive Engineer to execute the Lease on behalf of AMAFCA. Director Thomson seconded the motion, which passed (4-0). Chair Brown stated that the individuals leasing the land for both items 23a and 23b are good stewards and thanked them for being such.

b. Agricultural Lease – Herring Property – Approval of Lease Agreement

Director Eichenberg made a motion that the Board approve the Lease Agreement with Mr. Ron Maestas and authorize the Executive Engineer to execute the Lease on behalf of AMAFCA. Director Thomson seconded the motion, which passed (4-0).

24. AMAFCA CY-2016 Project Schedule – Review of Draft Project Listing

Mr. Jerry Lovato, AMAFCA Executive Engineer, stated that the spreadsheet that was provided covered everything in the project schedule. A full set of write-ups were provided to the Board. The Project Schedule lists sixty-eight construction projects, studies, and right-of-way acquisitions through CY-2021, with an estimated cost of approximately \$153M.



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The Project Schedule identified \$102M in AMAFCA funding, which were categorized as follows:

Drainage Deficiencies in existing neighborhoods	25%
Rehabilitation of Existing Flood Control Facilities	28%
Master Planned Drainage Facilities	41%
Storm Water Quality Projects, retrofits and new projects	7%

The schedule entails a combination of AMAFCA Funding, Private Development, and other government agencies.

Responding to a question from Director Thomson, Mr. Lovato advised that after the publication of the Project Schedule, it is up to the Board to approve projects on an individual basis. Projects are phased in and can be added and/or removed in the future at the Board's direction.

Responding to a question from Director Borrego, Mr. Bingham stated that projects will be brought to the Board on a case by case basis. Projects will be done depending on funding from all sources. Director Thomson asked that the Project Schedule be revisited as needed.

25. Unfinished Business

Chair Brown stated that he has some concerns regarding the Drainage Ordinance that is in place with the City of Albuquerque in response to EPA requirements. The Drainage Ordinance requires new development to pond 0.44" from a rain fall event onsite (retention ponding). This is not going to fly with the Office of the State Engineer (OSE). The OSE is going to require that CoA amend the Drainage Ordinance. At the same time, CoA is putting together a Storm Water Quality program that is integrated into the Drainage Ordinance, which will require future and existing development to implement a Water Quality Plan for the properties. EPA is not being complimentary to what AMAFCA, BernCo, and CoA are doing to manage the drainage facilities as a greater community. Chair Brown thanked the Engineers who were in the audience for being at the meeting. The engineering analysis over the years anticipated that certain water that falls close to the downstream storm drains gets in and gets out quickly so that upstream drainage gets delayed and goes where it needs to go. Detention in lower areas contradicts the hydrology analysis that was done previously. At a recent Water Task Force meeting, they have gone through and detailed the proposed CoA Storm Water Quality Plan. As a community, what should be attempted to be achieved would be to get on-site, reasonable, water quality treatment facilities implemented or planned with new construction or with existing facilities. A lot of times the plans would not require more than regular sweeping of parking lots on commercial parking lots, etc. There is no reason to go back to the 1974 ponding scheme. The Drainage Management community has considerable water quality features (example: NDC is collecting 0.66" of rain when the mandate is 0.44"). AMAFCA is already tasking itself to do sediment control upstream of the Calabacillas. The



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objective for developing new undeveloped property should require detention to have water flow through a water quality feature on site and the property owner will be required to maintain it. New and existing development should have the same criteria for reasonable water quality adherence. There is a phenomenal water quality system already in place, which had been done before EPA requirements were in place.

Director Thomson stated that EPA is not concerned with quantity of storm water. The principle contaminant of concern is E.coli. EPA had five webinars, in which AMAFCA attended four; one of the topics was a watershed in southern California that was asking the community to spend between \$500M and \$1B to reduce E.coli by 30%. AMAFCA asked what the benefits of this action were and EPA stated there is not a measurable benefit. Director Thomson suggested doing a report (for around \$20K) to explain what has been done in order to educate EPA. Mr. Lovato stated that EPA does understand that Albuquerque is different. The watershed permit does allow expanding and exploiting facilities and it allows regional facilities. EPA understands that some of the facilities are in the Waters of The US. AMAFCA can still remove trash and debris from the facilities. Mr. Lovato provided an example of the recent storm that showed 2,000 cfs in the Rio Grande, the USGS Website showed the gauge data, but that was not what was discharged into the Rio Grande, due to the work at the NDC Bathtub where the flows were reduced to 600 cfs. The water took longer to get to the Rio Grande; however, it was being cleaned before it got there. This information will be contained in the next annual report.

Director Eichenberg suggested an open agenda item for this topic be on the November agenda. Chair Brown agreed and suggested inviting the Engineering Community and Director Borrego asked that the advertisement for the meeting request public comment; which may be in the form of letters. Mr. Lovato stated he will see what can be done for the November meeting.

Item 22a Field Highlights and 22b Construction Report were moved here, per earlier request from Chair Brown.

22. Field Highlights

a. Field Report

Mr. Wagener gave a report on various projects and events over the past month. A brief recap is as follows:

The slides opened with picture of a hot air balloon over the North Diversion Channel Equipment Crossing, followed by an additional picture of the same project, and a picture showing Pueblo of Sandia crew taking water samples.



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Responding to a question from Chair Brown, Mr. Wagener showed the Board where the Embayment area would flow out toward the river and noted that one of AMAFCA's goals is to keep from trapping the silvery minnow.

The slides continued with a picture of the NDC Embayment project and the October 21, 2015 Storm; a couple pictures of the NDC Channel Flow Monitoring Calibration; La Presa Water Quality Structure; AMAFCA Crew – Equestrian Gates Corrales Main Canal; various pictures of North Domingo Baca Park (Kinney Dam); Agency and Area-Wide 2014-15 Academy Hill Park/Channel, including the damage shown on 7/31/2015, and the final walk through on 9/25/2015; various pictures of the Mariposa Crossing of Dellyne; numerous pictures of the Domingo Baca Joint Repair; Westside Boulevard Widening showing the final walk-through for seeding, CoA will be taking the road and bridge for maintenance; several pictures showing the United States ARMY Corps of Engineers (USACE) Bosque Restoration Project at the San Antonio Outlet; numerous pictures of the Boca Negra Detention Dam Warranty Inspection, including a picture of the mutt mitt station, Mr. Daniel Aguirre with Wilson and Company smiling due to being able to check another task off for the project, a couple pictures of the crucifix in the boulder that was on site prior to construction and remains intact today; a picture of the No Trespassing sign that was installed by New Mexico Department of Transportation (NMDOT) at the bridge on I-40; a slide of the Preconstruction Conference for the Pond 187 Outfall Project; a slide of Middle Branch Piedras Marcadas Mutt Mitt volunteers; and closed with a picture of the Humpty Dumpty hot air balloon over the Wilson and Company building.

Mr. Brad Bingham, AMAFCA Drainage Engineer took this time to introduce Mr. Abiel Carrillo who is the new CoA Hydrologist. Mr. Carrillo addressed the Board, summarizing his background and experience. He stated he was glad to be at working at the City and looked forward to the opportunity to work with AMAFCA. The Board welcomed Mr. Carrillo and congratulated him on his new position.

b. Construction Report

Mr. Wagener referred to the Construction Report. There were no questions.

26. New Business

None.



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27. Adjourn

There being no further business to come before the Board, Chair Brown adjourned the meeting at 12:55 p.m.

Tim Eichenberg, Secretary-Treasurer, 11/19/15

Recorded by Guylene Harris, Executive Administrative Assistant