HYDROLOGY K21/D2A NO PLANS

K21/D2A

No Plans

K. R. DURÁN
⌀ J. TORRES
HOT BREEZY
90°

BELLAMAH PARK
6 JULY 87

STA	+	H.I.	−	ELEV		
1				100.00	ASSUMED	℄ DRAINAGE EASEMENT @ PL INTERSECTION
	6.15	106.15				
2			4.11		102.04	5' N. of PL
3			1.86		104.29	7' N. of PL
4			0.30		105.85	10' N. of PL.
5			4.83		101.32	4' E. of PL.
6			3.40		102.75	5' E. of PL.
7			2.37		103.78	10' E of PL
8			1.40		104.75	10' E of PL
9			0.59		105.56	12' E of PL. @ C.L. FENCE
10						
11			1.83		104.32	

Bernie,
FYI and
Filing
6/11/87

CITY OF ALBUQUERQUE

Albuquerque, New Mexico

INTER-OFFICE MEMO June 9, 1987

TO: Dean Wall, Line Maintenance Engineer, Liquid Waste

FROM: John Kelly, Superintendent, Storm Operations John Kelly

SUBJECT: **MILE HIGH LITTLE LEAGUE DRAINAGE PROBLEM**

Investigation of this complaint, received 6-8-87 via Dave Brosman, shows the following:

1. Drainage through the dedicated pedestrian-way and drainage easement was cut off by grading for a teeball field at Mile High. On Sunday, June 7, 1987, heavy rains in the area created stormwater runoff which ran under and through wooden fences at 708, 712 and 716 Mildred N.E., causing property damage. Liquid Waste was not notified of flooding at that location on Sunday. See attached photos.

2. The grading was done about five weeks ago by a volunteer for Mile High. Since Mile High is leasing the property from Parks and Recreation, Mile High had submitted a rough sketch of the proposed field to Janet Saiers of Parks and Recreation. The sketch showed no contours nor cut and fill locations. Mile High did not request a grading permit from the City nor did they consult Public Works Engineering.

3. Ms. Saiers was called the day after the grading took place. She visited the site and told Mile High to cease construction on the project until:

   A. She worked out a compromise agreement with the residents regarding Mile High Little League activity, noise and other problems.
   B. She had Public Works Engineering/Hydrology inspect the site and make recommendations as to size and depth of drainage swales. Rick Duran, of PWD/Engineering, did look at the site on 5/22/87. He reported back to his supervisor, Bernie Montoya, who then informed Ms. Saiers that a Grading Plan and Drainage Report by a registered Engineer would be required by that office to approve the construction. Mr. Montoya expressed concern that action be taken as soon as possible. Mr. Montoya also requested that a pre-design meeting be set up with the Engineer selected to discuss exactly what that office would require. A Drainage Submittal has not been received by PWD Engineering/Hydrology yet.

4. After Liquid Waste field inspection of the site on 6-8-87 at 2:00 P.M., it was readily apparent that the situation should not have been allowed to remain as it was when Mile High was instructed to cease construction operations. Furthermore, City personnel investigating the site immediately after the grading should have initiated immediate action to provide positive drainage of the site. Our section was not notified of the problem until Monday, 6-8-87.

5. At this section's insistence and after several phone calls, Parks and Recreation had Mile High Little League personnel dig out a swale along the property lines to divert the water to the existing drainage easement.

6. I investigated the site at 5:30 P.M. on Monday to ensure the swale would be adequate for expected flows. Mile High had rented a small tracked excavator from Zuni Rental ($125.00/day) and had dug out a 1 1/2' deep x 1' wide ditch along the west and south property boundaries towards the drainage easement in the southwest corner. The swales had vertical sides. As the spoil had been placed on the downhill side, the ditch appeared to exceed the cross-sectional area of the existing drainage easement. Thus it should be adequate size, as the easement was most likely sized for the 100 year flow to be at the top of curb. In this case, we exceeded the cross-sectional area as measured by easement width times curb height. As that the vertical sides would constitute a pedestrian hazard, I requested that they be cut at a 1:1 slope. This also increased the channel capacity and allowed extra fill to reinforce the berm created by the spoil. I assisted John DeBoo, League President, and other League personnel in this effort for about one hour. I also called for eight barricades and 200 feet of flagline to mark the dropoff. I felt this was a prudent measure to take considering the pedestrian use and lack of lighting in the area. Mr. DeBoo was very cooperative and willing to work at my direction.

7. I left the site at 6:45 P.M.. The barricades and flagline are still in place as of this writing. They will be removed when a swale is dug such that the side slopes are not dangerous.

8. Janet Saiers, Parks and Recreation, called me today, 6-9-87 at about 11:00 A.M. to ask my opinion of the proper course of action. I instructed her to get in touchg with Rick Duran, PWD/Engineering/Hydrology, for information on the size of the swales and for the correct procedures and authorizations, and have either Parks or Mile High build them. She said she would get the information and proceed.

9. At about 1:00 P.M. today, 6-9-87, Emil Gonzales, KOB-TV called regarding the problem. I informed her that I had talked to Mrs. Sisneros, that there was a problem which was alleviated yesterday afternoon at 6:45 P.M.. I also told her that Ms. Saiers of Parks and Recreation would have more complete information on the entire problem. Per Department policy, I infomed Deborah James of the phone interview.

10. As of this date, this section will pay for the barricades until the swale is dug with less steep side slopes. The existing swale dug Monday night should be adequate for the runoff, based on the size of the drainage easement (no runoff calculations have been done yet). No other action is planned by this section, other than review of drainage plans and inspection of construction.

JK/ds

cc Dave Brosman, Manager, Liquid Waste Systems, PWD
Fred Aguirre, Hydrologist, PWD Engineering
Mike Walker, Director, Park and Recreation
Janet Saiers, Urban Planner, Parks and Recreation Dept.

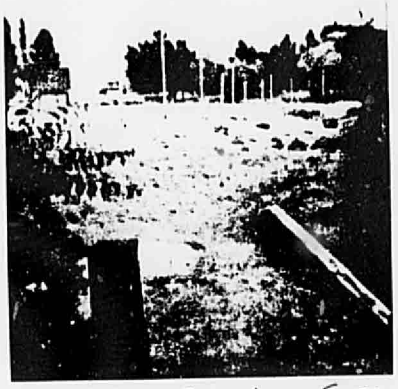
FOLLOWING FRAME (S)

IS SHOT OF

PHOTOGRAPH (S)

6-8-87

LOOKING SOUTH ALONG WEST BOUNDARY ON MILE HIGH LITTLE LEAGUE, BEFORE



LOOKING EAST ALONG SOUTH BOUNDARY, BEFORE SWALES DUG

LOOKING NORTH ALONG WEST BOUNDARY, BEFORE SWALES DUG

LOOKING SOUTH ALONG WEST BOUNDARY, AFTER SWALES DUG

LOOKING EAST ALONG SOUTH BOUNDARY, AFTER SWALES DUG

LOOKING NORTH ALONG WEST BOUNDARY AFTER SWALES DUG

Letter to File

Talked to Janet Sayers on 5/21/87 concerned that the people living on the upst side of little league park would be damaged from rain water which was diverted towards the fences. I sent Rick Duran to the site on 5/22/87 A.M. to investigate. Site investigation shows that fill dirt was brought in to regrade a new T.Ball field. on 5/22/87 after Lunch I met with Janet and discussed a solution

1. Get Mile High Little League to find a Registered Engineer to submit a Grading / Drainage plan for review.

2. Advised her that there was an Ordinance Violation in that no drainage plan was ever submitted.

3. Recommended that they could control any runoff by constructing a railroad tie retaining wall to create a swale towards the existing easement.

lgm

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