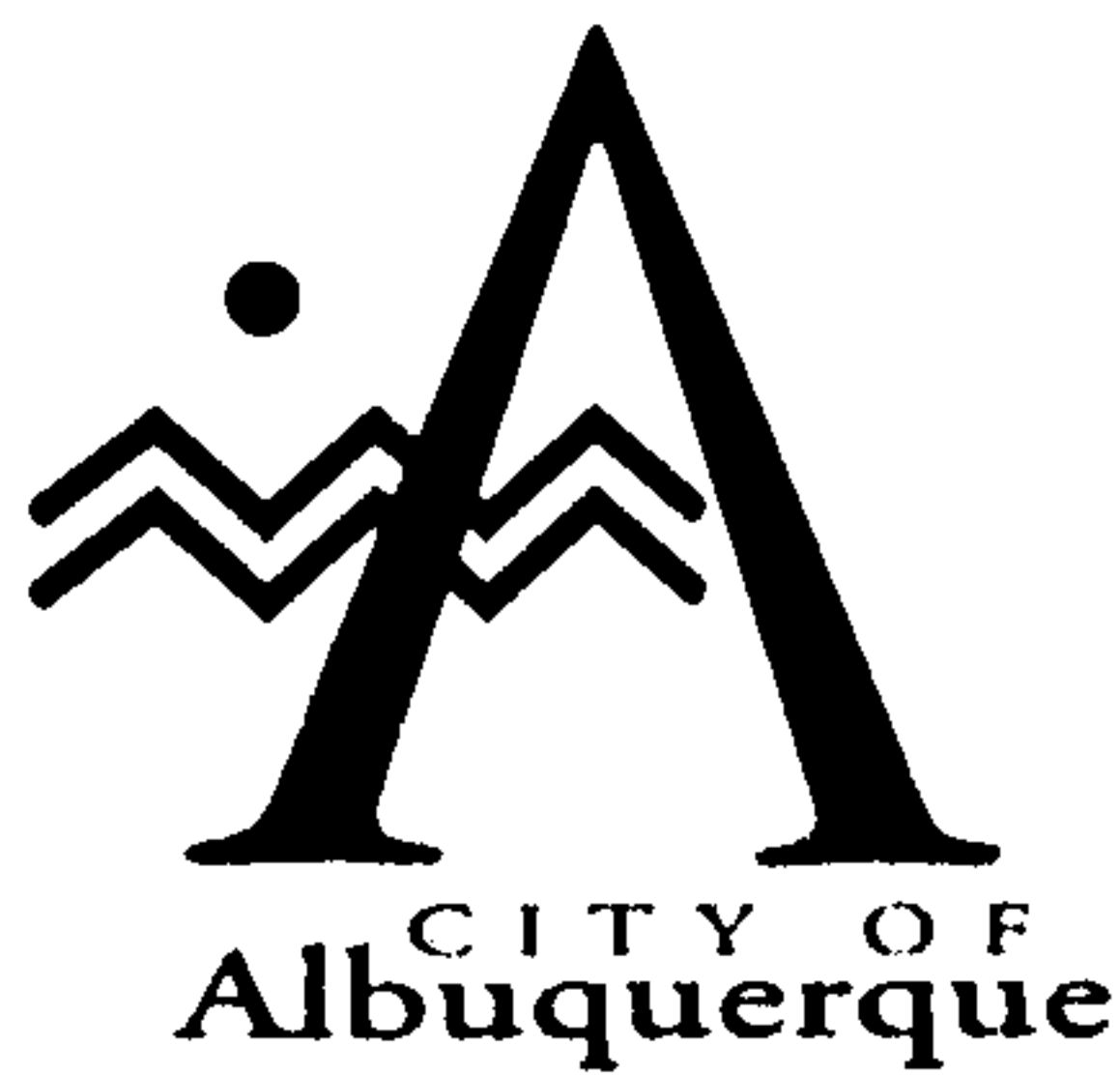




Public Works Department

Martin J. Chávez, Mayor

Robert E. Gurulé, Director

April 9, 1997

John Mackenzie
D. Mark Goodwin & Associates
P.O. Box 90606
Albuquerque, New Mexico 87199

RE: ENGINEER CERTIFICATION FOR NEW DORMITORY ADDITION TO THE
JUVENILE DETENTION CENTER (F15-D2) CERTIFICATION STATEMENT
DATED 4/3/97

Dear Mr. MacKenzie:

Based on the information provided on your April 3, 1997 submittal, Engineer Certification for the above referenced site is acceptable.

Please be advised that any further Building or Parking development will require that the retention pond be converted to a detention pond with an outfall.

If I can be of further assistance, please feel free to contact me at 924-3986.

C: Andrew Garcia

File

Sincerely

Bernie J. Montoya CE
Engineering Associate

Good for You, Albuquerque!





City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

October 12, 1995

John M. MacKenzie
D. Mark Goodwin & Associates
P.O. Box 90606
Albuquerque, NM 87199

RE: REVISED DRAINAGE PLAN FOR JUVENILE DETENTION CENTER
IMPROVEMENTS (F15-D2) ENGINEER'S STAMP DATED 4/11/95.

Dear Mr. MacKenzie:

Based on the information provided on your October 9, 1995 resubmittal, the above referenced site is approved for site plan for building permit and building permit.

Please attach a copy of this approved plan to the construction sets prior to sign-off by Hydrology.

Also, prior to Certificate of Occupancy release, Engineer Certification per the D.P.M. checklist will be required.

Further development of this site will require transformation of the retention pond to a detention pond.

If I can be of further assistance, please feel free to contact me at 768-2667.

Sincerely,

Bernie J. Montoya, CE
Engineering Associate

BJM/dl

c: Andrew Garcia
File



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

April 10, 1995

John M. MacKenzie
D. Mark Goodwin & Associates
P.O. Box 90606
Albuquerque, NM 87199

RE: REVISED DRAINAGE PLAN FOR JUVENILE DETENTION CENTER
IMPROVEMENTS (F15-D2) ENGINEER'S STAMP DATED 3/24/95.

Dear Mr. MacKenzie:

Based on the information provided on your March 27, 1995 resubmittal, the above referenced site is approved for site plan for building permit and building permit.

Please attach a copy of this approved plan to the construction sets prior to sign-off by Hydrology.

Also, prior to Certificate of Occupancy release, Engineer Certification per the D.M.P. checklist will be required.

Further development of this site will require transformation of the retention pond to a detention pond.

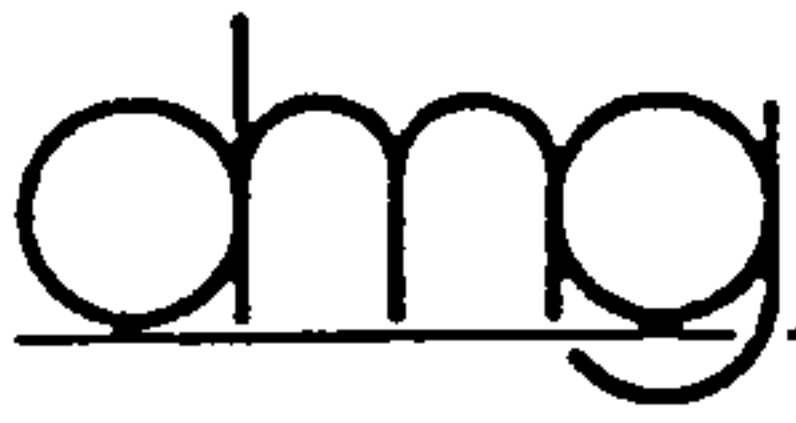
If I can be of further assistance, please feel free to contact me at 768-2667.

Sincerely,

Bernie J. Montoya, CE
Engineering Associate

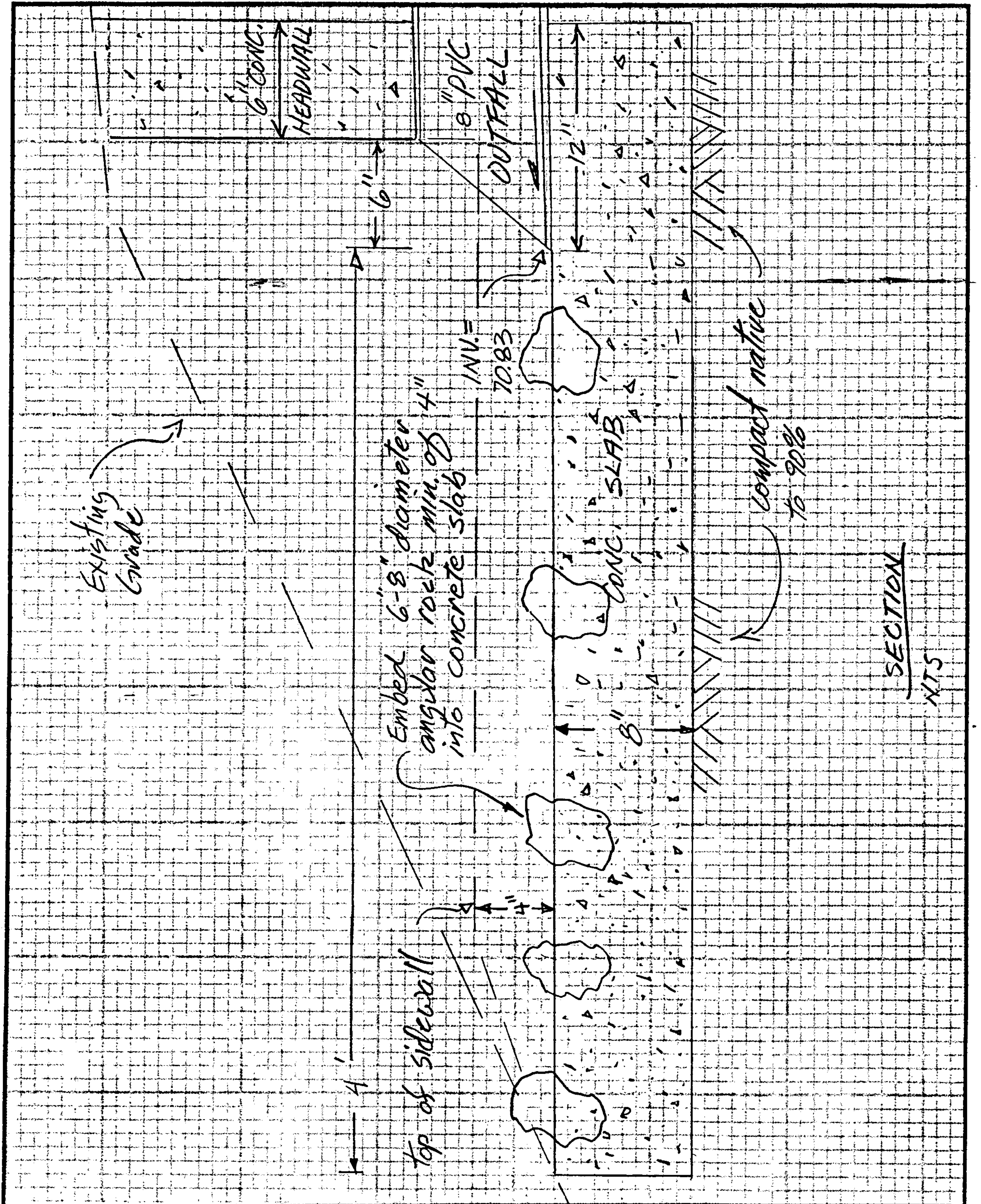
BJM/dl

c: Andrew Garcia
File



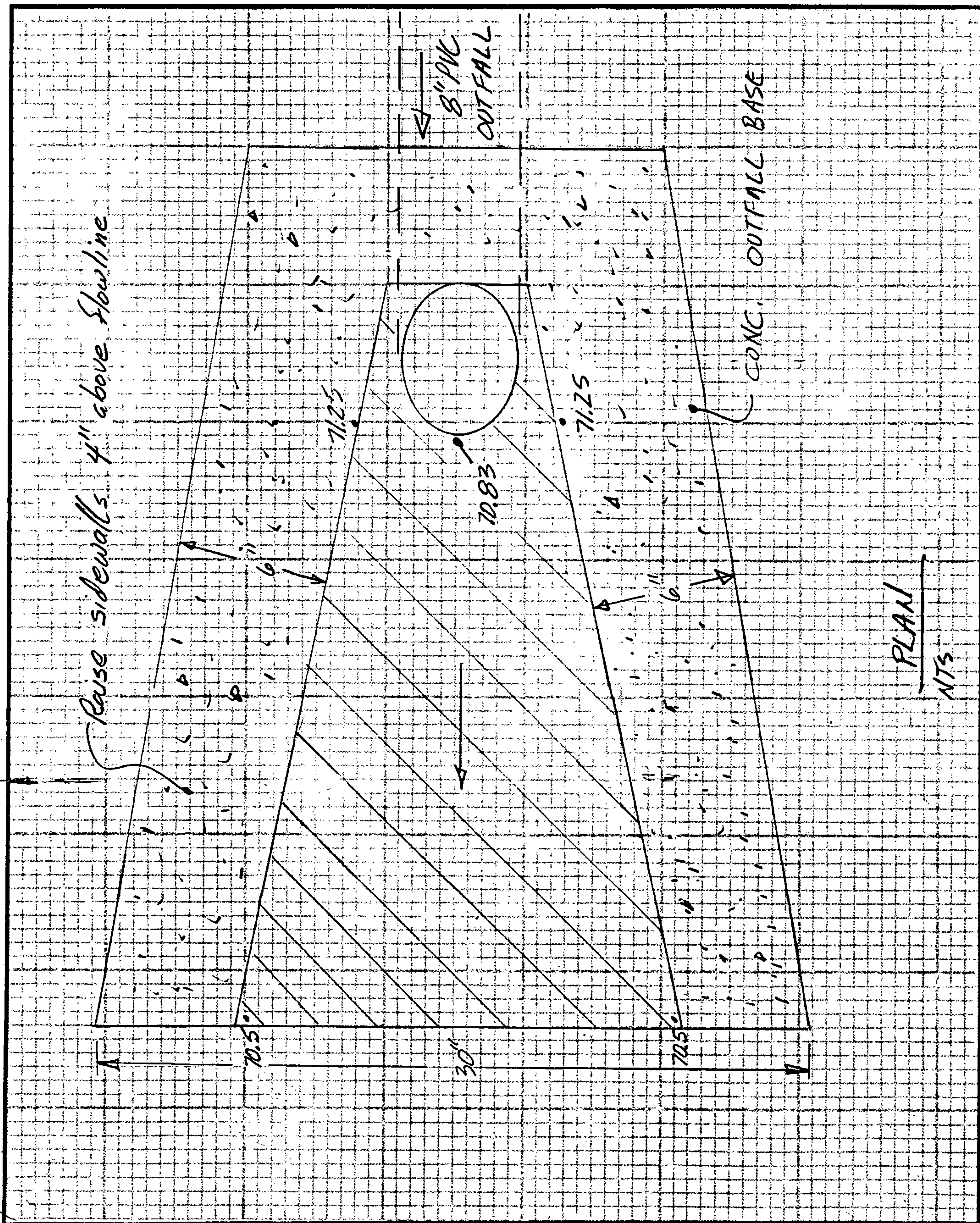
D. Mark Goodwin & Associates, P.A.
Consulting Engineers and Surveyors

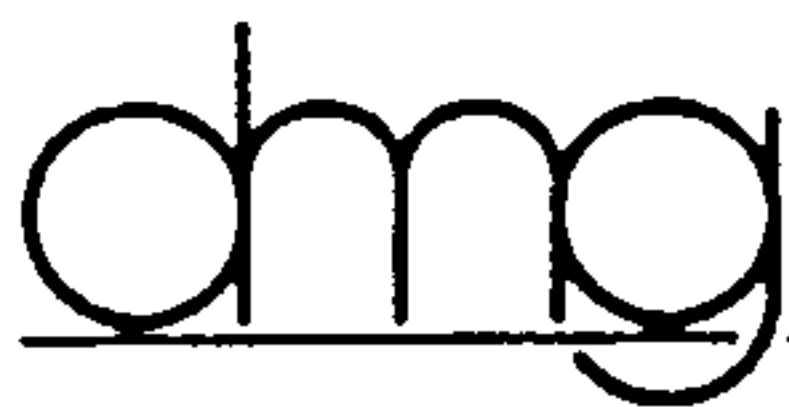
PROJECT Juvenile Detention
SUBJECT Drainage
BY JMM DATE 9-23-96
CHECKED _____ DATE _____
SHEET _____ OF _____





PROJECT Juvenile Detention
SUBJECT Drainage
BY JMM DATE 9.23.96
CHECKED _____ DATE _____
SHEET _____ OF _____





Revised 10/9/95

2. Proposed Parking Lot Ponding in Basin B-1 Provides the Following:

Elevation	Area	Avg Area	Depth	Volume
71.7	0	800	0.3	240
72.0	1600	16000	1.0	16000
73.0	30400	14880	.95	14136
72.95	28160			
total Volume				<u>16240 CF</u> <u>14376 CF</u>

Basin B is subdivided into Basin B-1 and B-2.

Basin B-1, experiencing an increase in volume because of an addition of impervious area, will yield a runoff volume of

→ 14,313 CF. based upon the size of this area being approximately 47 % of the Basin B size. During the 100 year storm, the maximum water surface will be below elevation 73.0 based upon the above pond holding 16,240 CF.

Basin B-2 will not increase its net impervious area, so the discharge rate and volume will not change from the existing condition.

10/9/95

The new total ponding volume from a new maximum water surface elevation of 72.95 is 14,376. This is in excess of the mandatory 14,313 CF generated within the basin.