The following items concerning the Valley Federal Savings Bank Drainage

1. Vicinity Map 2. Grading Plan 3. Calculations

The proposed improvements, as shown by the Vicinity Map, are located at the northeast corner of the intersection of Eubank Boulevard N.E. and Indian School Road N.E. At present, the site is partially developed. A

temporary banking facility and parking lot has been constructed on the east end of the the site. The remainder of the contruction will be a permanent

As shown by Plate H-21 of the Albuquerque Master Drainage Study, the site does not lie within a designated Flood Hazard Zone. Further study of this

plate reveals that a storm drainage facility is available to the west of the site along Indian School Road N.E. All lots within this area are

The Grading Plan shows 1) existing and proposed grades indicated by spot elevations and contours at 1' 0" intervals, 2) continuity between existing

and proposed elevations, 3) the limit and character of the existing

LEGEND EXIST. CONTOUR PROPOSED CONTOUR EXIST. SPOT ELEV. PROPOSED SPOT ELEV.

· ASPHALT BYEL

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PLANTING

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6 PEG. PALKS SPACE 3 HAND CAPTED SPACES

North Story Story

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LANDERAL OF AMERICA

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CETTE DELLES HOULD

PARYNO DELLA

FL 71.34

APARTMENT

20.00

FF. 74.04

HEW BLOG. UNDER POOF HELL ASPHALT POVING

PROJECT BENCHMARK CITY OF ALB. ERAOS CAP 10-121 LOCATED IN MEDIAN NOSE OF INDIAN SCHOOL PO QUBANK BLYD. NE. ELEV. @ 5466.20 FT. (MSLD)

3/41-11-0

TC-7:

From SCS Bernalillo County Soil Survey, Plate 32: Etc Embudo Tijeras Complex

Rational Method

T_C = 10 min (minimum)

A = area, acres

Volume: $V = CP_6A(1/12)$

A = area, sf

A_{total} = 51,000 sf = 1.17 Ac

 $Q_{100} = CiA = 0.50 (5.28) 1.17 = 3.1 cfs$

 $V_{100} = CP_6A = 0.50 (2.5/12) 51,000 = 5313 cf$

'C' = 0.80 (DPM Plate 22.2C-1)

 $Q_{100} = CiA = 0.80 (5.28) 1.17 = 4.9 cfs$

Comparison

IT OF ALBURIER OF MONUMENT (10. JC1, 1979 GRADING AND DRAINAGE PLAN

CONSTRUCTION NOTES:

1. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE 765-1234, FOR LOCATION OF EXISTING UTILITIES.

REMOVE E ST. DRIVE-PAD. CONSTRUCT CURB, QUITER & S'DEWALK AS PER CITY OF ALB. STD. DWG. P.13.3.

4 TC 65,56

CONSTRUCT SIDEWALK CULVERT AS PER CITY OF ALB. STD. DWG. K-16-1.

FIRE ITC. COATED & N.N.

CORNER OF NO SH SCHOOL IT

ELSANK IS LESS THAN 450 COMM

FURTHER POINT OF BULDING

SCALE: |=20

- 2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- 3. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- 4. ALL CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND PROCEDURES.
- 5. PROVIDE PARKING LOT STRIPING WHERE SHOWN ON SITE PLAN AND OR AS NOTED. ALL PARKING SHALL BE 9' WIDE UNLESS OTHERWISE INDICATED.

PROVIDE HANDICAPPED PARKING SYMBOLS AND SIGNS AS PER ANSI REQUIREMENTS AT PROPER LOCATIONS.

ELEV. 5400.20 (SLD)

F. 66.86

EXISTI VO BLOO

EDSEMENT PARKING

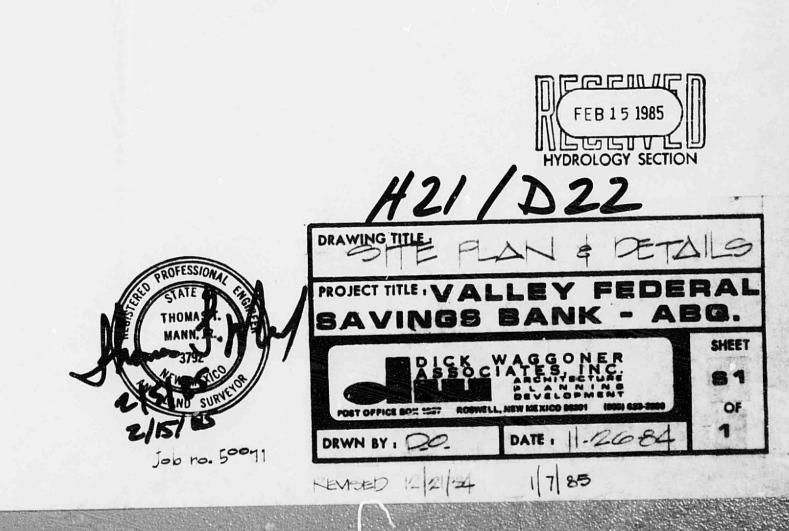
NOTEN & BORBON

- 7. SMALL CAR PARKING AREA INDICATE BY PAINTING "SMALL CAR PARKING" ON ASPHALT PAVING AT THIS AREA.
- PROVIDE PAINTED CURB TO INDICATE NO PARKING FIRE LINE AND SIGN AS REQUIRED BY THE CITY OF ALBUQUERQUE, NEW MEXICO FIRE CODES.
- 9. PROVIDE PAINTED (ON ASPHALT) ONE-WAY DIRECTIONAL SYMBOLS AND SIGNS AS REQUIRED BY THE CITY OF ALBUQUERQUE, NEW MEXICO TRAFFIC ENGINEERING DEPARTMENT.
- 10. PROVIDE BICYCLE PARKING STANDS (3 REQUIRED) AS REQUIRED BY THE CITY OF ALBUQUERQUE, NEW MEXICO.

EROSION CONTROL MEASURES

N88002 47" (Orio Bearing

- 1. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AT THE PROPERTY LINES AND WETTING THE SOIL TO KEEP IT FROM BLOWING.
- 2. THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.
- 3. THE CONTRACTOR SHALL SECURE "TOPSOIL DISTURBANCE PERMIT" PRIOR TO BEGINNING CONSTRUCTION.



and proposed elevations, 3) the limit and character of the existing improvements, and 4) the limit and character of the proposed improvements. As shown by this plan, the proposed improvements consist of the construction of a building with associated parking and landscaping. At present, the site drains from east to west. Mary Ellen Street N.E. along the east property line is developed and paved. It essentially prevents flows from entering the site from the east. Indian School Road N.E. along the south property line is also developed and is approximately parallel with the site in elevation. Eubank Boulevard N.E. to the west is paved and is lower than the project site. The land to the north of the project site is developed as an apartment building and office buildings. The drainage pattern for those sites is already established and the flows are away from the project site. Offsite flows entering the project site will be the project site. Offsite flows entering the project site will be negligible. The proposed construction will discharge runoff through two curb openings and a sidewalk culvert.

The Calculations which appear hereon analyze both the existing and developed conditions for the 100-year, 6-hour rainfall event. The Rational Method has been used for this analysis in accordance with the City of Albuquerque Development Process Manual, Volume II. As shown by these calculations, the proposed improvements will result in an increase in runoff discharge from the site. This pattern of runoff is consistent with the predesign conference recap which accompanies this submittal.

Ground Cover Information

Plan are contained hereon:

banking facility with associated parking.

developed. This site would be considered a infill site.

Hydrologic Soil Group B

Discharge: Q = CiA where C varies

 $i = P_6 (6.84) T_C -0.51 = 5.28 in/hr$

 $P_6 = 2.5$ in (DPM Plate 22.2D-1)

where C varies $P_6 = 2.5$ in (DPM Plate 22.2D-1)

Existing Condition

A_{imp} = 17,600 sf; % impervious = 35%

'C' = 0.50 (DPM Plate 22.2C-1)

Developed Condition

 $A_{total} = 51,000 \text{ sf} = 1.17 \text{ Ac}$

A_{imp} = 42,800 sf; % impervious = 84%

 $V_{100} = CP_6A = 0.80 (2.5/12) 51,000 = 8500 cf$

 $\Delta V_{100} = 4.9 - 3.1 = 1.8 \text{ cfs (increase)}$ $\Delta V_{100} = 8500 - 5313 = 3187 \text{ cf (increase)}$