CITY OF ALBUQUERQUE



September 21, 2004

Wallace Bingham, P.E. Bingham Engineering 6344 Belcher NE Albuquerque, NM 87109

Re: Gateway Park Office / Warehouse Complex Phase I, 9420 San Mateo NE,

Certificate of Occupancy (B18-D11)

Certification dated 9-20-04

Dear Mr. Bingham,

Based upon the information provided in your submittal received 9-20-04, the above referenced certification is approved for release of permanent Certificate of Occupancy by Hydrology.

P.O. Box 1293

If you have any questions, you can contact me at 924-3981.

Albuquerque

Sincerely,

New Mexico 87103 Kristal D. Metro

Engineering Associate, Planning Dept.
Development and Building Services

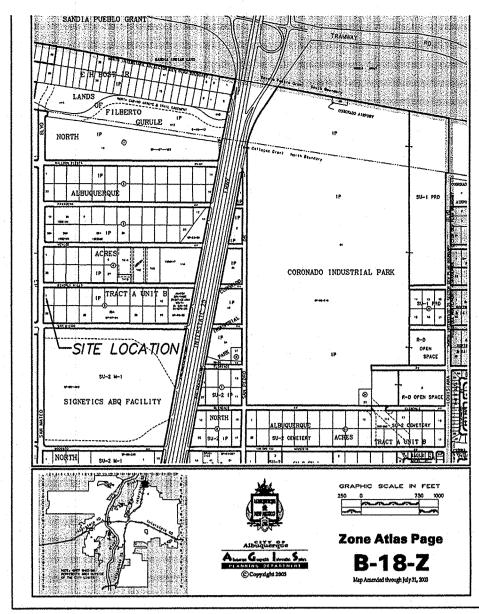
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www.cabq.gov

C:

Phyllis Villanueva

file



ZONE ATLAS PAGE B-18

FIRM PANEL # 0128D

AS-BUILT DRAINAGE CERTIFICATION FOR PHASE 1

TEMPORARY SEDIMENT CONTROL FENCE

SECTION B-B

OVAL IN CONFIGURATION

LARGE 6" ROCK TO SERVE AS A SPLASH

NEW CONCRETE STEPS -

FROM PRIVATE SIDEWALK

LARGE 6" ROCK TO SERVE AS A SPLASH

DRAINAGE CERTIFICATION FOR PHASE 1

AS-BUILT DESIGNATION

I WALLACE L. BINGHAM NMPE 7281, HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN

KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR RELEASE OF THE FINAL CERTIFICATE OCCUPANCY.

TC 52.28

THE FOLLOWING ARE MINOR CHANGES THAT WILL NOT EFFECT THE ORIGINAL DRAINAGE CONCEPT

1. TEMPORARY SEDIMENT CONTROL FENCE AS SHOWN ON PLAN DRAWING (SEE DETAIL BELOW) "COMPLETED"

2. 6" LARGE COBBLESTONE TO BE PLACED AT EACH CANALE (OVAL IN SHAPE FOR EROSION CONTROL) "COMPLETED"

3. NEW CONCRETE STEPS FROM PRIVATE SIDEWALK TO THE PUBLIC SIDEWALK. (SEE PLAN DRAWING FOR LOCATION) "COMPLETED"

⊕ FL 53.40

BLOCK UNDER EACH CANALE

OVAL IN CONFIGURATION

TO PUBLIC SIDEWALK

MASTER GRADING/DRAINAGE PLAN

THE FOLLOWING ITEMS CONCERNING LOTS 1-A, 2-A, AND 3-A TRACT A UNIT B NORTH ALBUQUERQUE ACRES, CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO ARE CONTAINED HEREON:

EXISTING CONDITIONS

AS SHOWN BY THE VICINITY MAP, THE SITE CONTAINS 2.50 ACRES AND IS LOCATED AT THE SOUTHEAST QUADRANT OF THE INTERSECTION OF SAN MATEO BLVD. N.E. AND BEVERLY HILLS AVENUE N.E. THE SITE IN ITS EXISTING CONDITION SLOPED FROM EAST TO WEST. ACCOEDING TO THE FLOOD INSURANCE MAPS, PANEL NO. 0128D, REVISED SEPTEMBER 1998, THIS SITE IS NO LONGER WITHIN A DESIGNATED FLOOD ZONE.

PROPOSED CONDITIONS

AS SHOWN BY THE MASTER GRADING/DRAINAGE PLAN, THE PROJECT WILL CONSIST OF THREE BUILDING PHASES. EACH PHASE WILL CONSIST OF FOUR OFFICE/WAREHOUSE BUILDINGS ALONG WITH ASSOCIATED PAVED AND LANDSCAPED AREAS. OFF-SITE FLOWS WILL ENTER THE SITE AT THE FAR EAST END OF THE SITE. THE OFF-SITE FLOWS WILL BE ACCEPTED AND PASSED THROUGH ONTO SAN MATEO BLVD. N.E. THE DEVELOPED ON-SITE FLOWS WILL BE ROUTED TOWARD THE COMMON DRIVE LANE AND ONTO SAN MATEO. THE CALCULATIONS, WHICH APPEAR HEREON, ANALYZE THE 100-YEAR, 6-HOUR RAINFALL EVENT FOR BOTH THE HISTORICAL AND DEVELOPED CONDITIONS.

PHASE I CONSTRUCTION

PHASE I WILL CONSIST OF FOUR OFFICE/WAREHOUSE BUILDING ALONG WITH PAVED PARKING AND LANDSCAPED AREAS. THE COMMON DRIVE LANE BETWEEN THE PROPOSED PHASE I AND FUTURE PHASE 11, AND II WILL ALSO BE CONSTRUCTED WITH PHASE I SO AS TO ALLOW THE OFF-STE FLOWS FROM THE EAST TO BE ACCEPTED AND PASSED THROUGH ONTO SAN MATEO BLVD. N.E.

HYDROLOGY

TIME=0.0 *S ****COMPUTE 100 YR. HYDROGRAPHS FOR DEVEL. FLOW FOR ENTIRE SITE AHYMO PER JAN 1991 DPM REVISIONS *S AREA 1

RAINFALL TYPE = -1 RAIN QUARTER=0.0 RAIN ONE=2.01 RAIN SIX=2.35 RAIN DAY=2.75

*s OFFSITE UNDEVELOPED RUNOFF FLOWS ID=1 HYD NO= 101.1 DA=0.00623 SQ MI COMPUTE NM HYD PER A=100 PER B=0 PER C=0 PER D=0 TP= -.22

RAIN=-1 DT=.03333 PRINT HYD ID=1 CODE=10 ***************

*S DA1 ONSITE BASIN ID=2 HYD NO= 102.1 DA=0.000765 SQ MI COMPUTE NM HYD PER A=0 PER B=10 PER C=0 PER D=90 TP= -.13

RAIN=-1 DT=.03333 ID 2 CODE 10 PRINT HYD **********

*S DA2 ONSITE BASIN ID=3 HYD NO= 103.1 DA=0.00300 SQ MI

PER A=0 PER B=10 PER C=0 PER D=90 TP= -.13 RAIN=-1 DT=.03333 ID 3 CODE 10 PRINT HYD ************ *S COMBINE FLOWS

ID 5 HYD 105 ID2 ID3 ADD HYD ID 5 CODE 10 PRINT HYD ID 6 HYD 106 ID1 ID5 ADD HYD ID 6 CODE 10 PRINT HYD

AHYMO PROGRAM SUMMARY TABLE (AHYMO 97) INPUT FILE = D:\Ahymo\GATEWA~2.TXT

DISCHARGE VOLUME RUNOFF PEAK PER (AC-FT) (INCHES) (HOURS) ACRE NOTATION (CFS) (SQ MI) IDENTIFICATION NO. NO. *S ****COMPUTE 100 YR. HYDROGRAPHS FOR *S DEVEL. FLOW FOR ENTIRE SITE RAIN6= 2.350

SIDEWALK CULVERT CAP.

 $R^{.67}=(.75/2.5)^{.67}=.45$

 $S^{5} = .02^{5} = 0.14$

A=0.5*1.5=.75

- VERSION: 1997.02a

Q=1.49/.013 A R^.67 S^.5

Q=1.49/.013*.75*.45*.14=5.41 cfs > 4.02 OK

RUN DATE (MON/DAY/YR) =11/08/2003

USER NO. = AHYMO-I-9702a0100007G-SH

*S AREA 1 RAINFALL TYPE= 1 *s OFFSITE UNDEVELOPED RUNOFF FLOWS 101.10 - 1 COMPUTE NM HYD *S DA1 ONSITE BASIN COMPUTE NM HYD *S DA2 ONSITE BASIN 1.500 4.517 PER IMP= 90.00 COMPUTE NM HYD FINISH

GENERAL NOTES:

BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 11/25/2003. THE AS-BUILT INFORMATION OBTAINED BY ME OR UNDER MY DIRECT SUPERVISION AND IS TRUE AND CORRECT TO THE BEST ON MY 1. An excavation/construction permit will be required before beginning KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR RELEASE OF A TEMPORARY CERTIFICATE OCCUPANCY. any work within the City right-of-way. Approved copy of this plan TO 52.28 must be submitted at the time of application for permit.

2. All work detailed in this plan to be preformed, except as otherwise stated or provided hereon, shall be constructed in accordance with THE FOLLOWING ARE MINOR CHANGES THAT WILL NOT EFFECT THE ORIGINAL DRAINAGE CONCEPT City of Albuquerque Interim Standard Specification for Public Works 1. TEMPORARY SEDIMENT CONTROL FENCE AS SHOWN ON PLAN DRAWING (SEE DETAIL BELOW) 2. 6" LARGE COBBLESTONE TO BE PLACED AT EACH CANALE (OVAL IN SHAPE FOR EROSION CONTROL)

Two working days prior to any excavation, contractor must contact line 3. NEW CONCRETE STEPS FROM PRIVATE SIDEWALK TO THE PUBLIC SIDEWALK. (SEE PLAN DRAWING FOR LOCATION) locating Services at (505) 260-1990 for locating existing

> 4. Prior to construction, the contractor shall excavate and verify the horizonal and vertical location of all construction. Should a conflict exist, the contractor shall notify the engineer so that the conflict can be resolved with a minimum amount of delay.

5. Backfill compaction shall be according to residential street use.

6. All work on this project shall be performed in accordance with applicable Federal, State and local laws, rules and regulations concerning construction safty and health.

7. All maintenance of this facilities shall be the responsibility of the owner of the property it serves.

FLOOD INFORMATION

THIS SITE DOES NOT LIE IN A DESIGNATED 100 YEAR FLOOD PLAIN.

ACCESSIBLE ROUTE THE ACCESSIBLE ROUTE IS A PATH CONNECTING ALL ACCESSIBLE ELEMENTS AND SPACES WITHIN A SITE, BUILDING OR FACILITY THAT IS USABLE BY PERSONS WITH PHYSICAL DISABILITIES. IN THIS FACILITY THE ACCESSIBLE ROUTE CONSISTS OF WALKING SURFACES WITH A SLOPE NOT STEEPER THAN 1:20, RAMPS WITH A SLOPE NOT STEEPER THAN 1:12, HC PARKING SPACES AND ACCESS AISLES WITH A SLOPE NOT GREATER THAN 1:48 IN ANY DIRECTION AND CLEAR FLOOR SPACE FOR ACCESSIBLE ELEMENTS. CROSS SLOPES SHALL NOT EXCEED 1:48.

EROSION CONTROL MEASURES:

THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR MANAGEMENT FOR STORM RUNOFF DURING CONSTRUCTION; HE SHALL INSURE THAT THE FOLLOWING MEASURES ARE TAKEN:

- ADJACENT PROPERTY SHALL BE PROTECTED AT ALL TIMES BY CONSTRUCTION OF BERMS, DIKES, SWALES, PONDS AND OTHER TEMPORARY GRADING AS REQUIRED TO PREVENT STORM RUNOFF TO LEAVE THE SITE AND ENTERING ADJACENT PROPERTY.

- ADJACENT PUBLIC RIGHT-OF-WAYS SHALL BE PROTECTED AT ALL TIMES FROM STORM WATER RUNOFF FROM THE SITE. NO SEDIMENT BEARING WATER SHALL BE PERMITTED TO ENTER THE PUBLIC

- THE CONTRACTOR SHALL IMMEDIATELY AND THOROUGHLY REMOVE ANY OR ALL SEDIMENT WITHIN THE PUBLIC STREETS THAT HAVE BEEN ERODED FROM THE SITE AND DEPOSITED THERE.

BENCHMARK INFORMATION

A.C.S. MONUMENT USED: 6-B17 ELEVATION 5150.606 M.S.L. LOCATED IN THE WEST-NORTHWEST QUADRANT OF THE INTERSECTION OF SAN MATEO BLVD. N.E & SAN DIEGO AVENUE N.E.

ABBREVIATION LEGEND

TOP OF CONC PAD TOP OF CURB TOP OF ASPHALT FINISHED GRADE FLOWLINE TOP OF SIDEWALK - TSW EDGE OF PAVEMENT - EP

DRAINAGE FACILITIES WITHIN CITY R/W

HYDROLOGY APPROVAL

LEGAL DESCRIPTION

LOT 1-A,2-A & 3-A, TRACT A, UNIT B NORTH ALBUQUERQUE ACRES CITY OF ALBUQUERQUE BERNALILLO COUNTY, NEW MEXICO.



DESIGN CONTOUR (TOP OF CURB ELEVATION) PROPOSED SPOT ELEVATION PROPERTY LINE EASEMENT LINE FLOW DIRECTION

SCALE: 1"=30.0"

EXISTING SPOT ELEVATION DOWN SPOUT

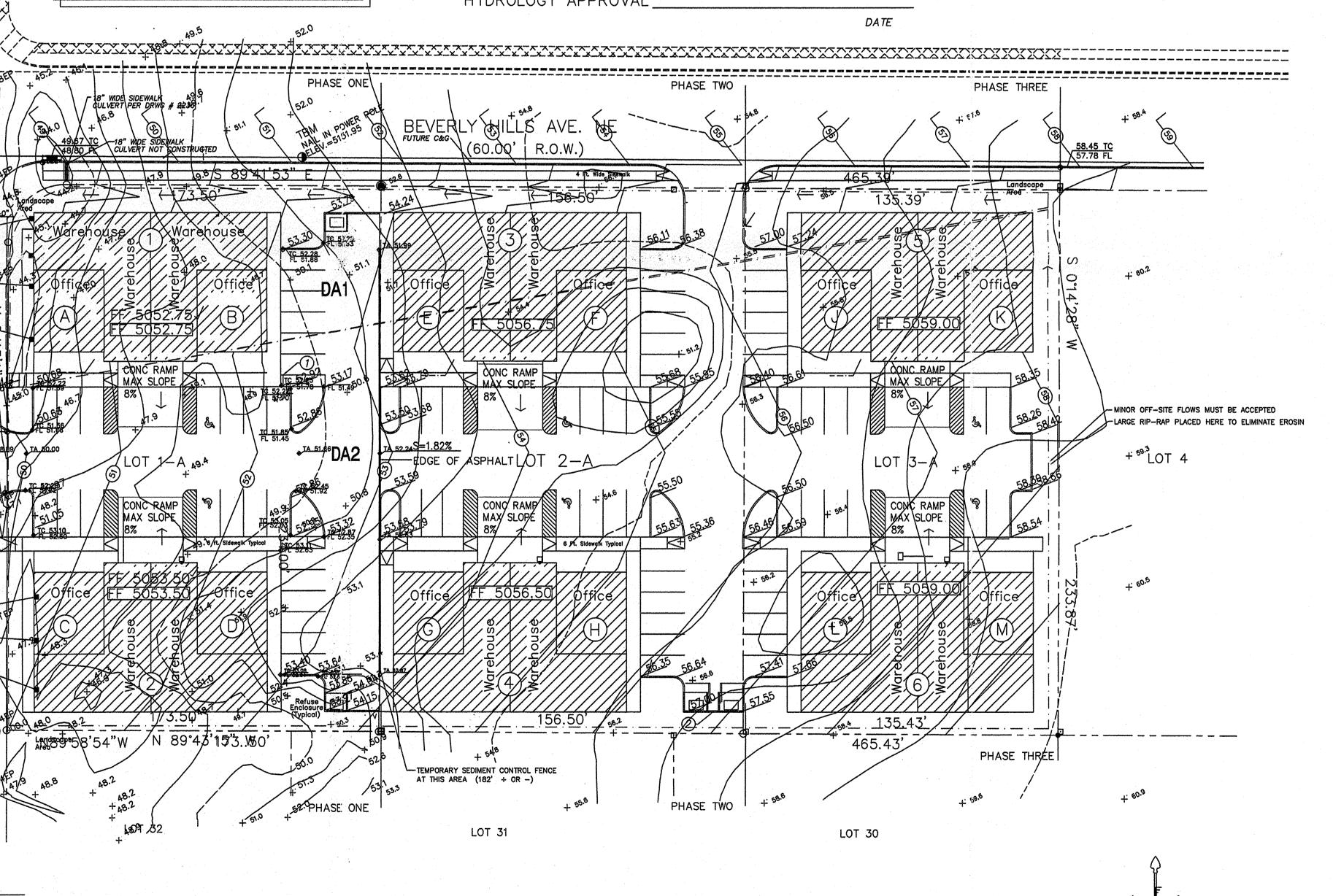
RETAINNING WALL TC 52.28 + FL 53.40 AS-BUILT ELEVATIONS

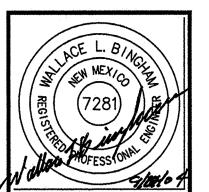
KEYED NOTES

EXISTING CONTOUR

(1) 18" SIDEWALK CULVERT

(2) 12" CUT IN CURB TO ALLOW FLOW





Job Number 0000 SEPTEMBER 2004

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