

EROSION CONTROL MEASURES:

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

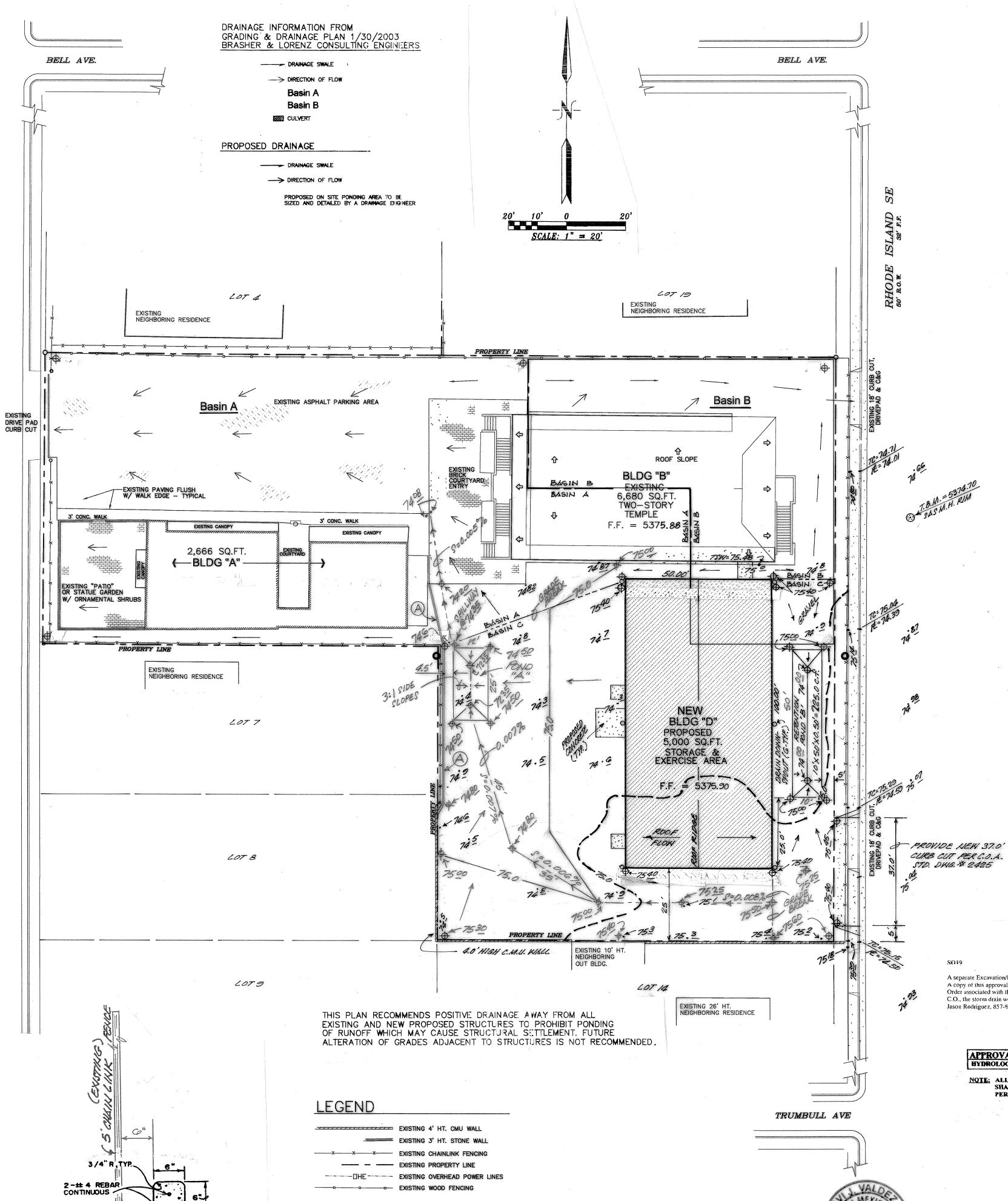
- 1) ADJACENT PROPERTY SHALL BE PROTECTED AT ALL TIMES BY CONSTRUCTION OF BERMS, DIKES, SWALES, PONDS, AND OTHER TEMPORARY GRADING AS REQUIRED TO PREVENT STORM RUNOFF FROM LEAVING THE SUBJECT SITE AND ENTERING ADJACENT PROPERTIES.
- 2) ADJACENT PUBLIC RIGHT-OF-WAYS SHALL BE PROTECTED AT ALL TIMES FROM STORM WATER RUNOFF FROM THE SUBJECT SITE. NO SEDIMENT BEARING WATER SHALL BE PERMITTED TO ENTER PUBLIC STREET RIGHT-OF-WAYS.
- 3) THE CONTRACTOR SHALL IMMEDIATELY AND THOROUGHLY REMOVE ANY AND ALL SEDIMENT FROM PUBLIC STREETS THAT HAS BEEN ERODED FROM THE SUBJECT SITE AND DEPOSITED THEREON.

CONSTRUCTION NOTES:

- 1) TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE AT 260-1990 FOR THE ACTUAL FIELD LOCATION OF THE EXISTING SURFACE OF SUB-SURFACE UTILITIES.
- 2) PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION(S) OF ALL POTENTIAL OBSTRUCTIONS; SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM OF
- 3) ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- 4) ALL CONSTRUCTION WITHIN PUBLIC STREET RIGHT-OF-WAY(S) SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE/BERNALILLO COUNTY STANDARDS AND PROCEDURES.

LEGAL DESCRIPTION

LOTS 16-A , BLOCK 8, CASAS SERENAS SUBDIVISION 420 PENNSYLVANIA AVE SE ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO .9298 ACRE



EXISTING ASPHALT PAVING

EXISTING BRICK PAVING

HEADER CURB DETAIL

REVISION #

DRAIN

BASINS 'A' & 'B' SHOWN ON THE PLAN HEREON REFER TO EXISTING DEVELOPMENT DESIGNED BY BRASHER & LORENZ CONSULTING ENGINEERS, ALBUQUERQUE, NEW MEXICO, (PLAN DATED: 01-30-03); PROPOSED NEW DEVELOPMENT SHOWN HEREON CONSISTS OF DRAINAGE BASIN 'C' ONLY.

DRAINAGE COMMENTS:

AS SHOWN ON THE VICINITY MAP HEREON, THE SUBJECT SITE IS A PARTIALLY DEVELOPED PROPERTY LOCATED ON THE WEST SIDE OF RHODE ISLAND S.E. BETWEEN BELL AVENUE S.E. AND TRUMBULL AVENUE S.E., IN THE CITY OF ALBUQUERQUE, NEW MEXICO, (ZONE ATLAS MAP L-19-Z).

THE SUBJECT SITE, 1.) IS NOT LOCATED WITHIN A DESIGNATED FLOODPLAIN (F.E.M.A. FIRM PANEL 35001C0358D), 2.) DOES NOT CONTRIBUTE TO THE OFFSITE FLOWS OF ADJACENT PROPERTIES AND DOES NOT ACCEPT OFFSITE FLOWS FROM ADJACENT PROPERTIES, 3.) IS AN UNDEVELOPED PORTION OF A PARTIALLY DEVELOPED PROPERTY THAT IS TO HAVE A 50.0'X100.0' BUILDING AND ASSOCIATED IMPROVEMENTS CONSTRUCTED THEREON, 4.) IS TO HAVE A RETENTION POND LOCATED WESTERLY OF SAID PROPOSED BUILDING THAT IS TO BE SIZED FOR THE 'FIRST FLUSH STORM VOLUME'.

'FIRST FLUSH STORM VOLUME': 0.34" X IMPERVIOUS AREA; BASIN 'C' IMPERVIOUS AREA = 3,125.0 SQ. FT.; THEREFORE, 0.34" (0.03') X 3,125.0 = 93.8 (94.0) CU. FT.

PEAK DISCHARGE:

POND 'A' VOLUME: (MEAN DIMENSIONS) 6'X19'X2' = 228.8 CU. FT. (VOLUME PROVIDED); VOLUME REQUIRED: 94.0 CU. FT.

POND 'B' VOLUME: (MEAN DIMENSIONS); (WATER HARVESTING POND) 5'X45'X1' = 225.0 CU. FT. EAST ROOF AREA OF PROPOSED BUILDING = 2,500.0 SQ. FT. X 0.03' = 75.0 CU. FT.

SITE AREA = .037 ACRE ZONE: THREE (3) BASIN 'C' PRECIPITATION: 360 = 2.60 in. 1440 = 3.10 in.

10 day = 4.90 in.

| TREATMENT A | 0.66 in | 1.87 cfs/ac. |
|-------------|----------|--------------|
| TREATMENT B | 0.92 in. | 2.60 cfs/ac. |
| TREATMENT C | 1.29 in. | 3.45 cfs/ac. |
| TREATMENT D | 2.36 in. | 5.02 cfs/ac. |

EXISTING CONDITIONS: PROPOSED CONDITIONS: AREA TREATMENT A 0.37 ac. 0.00 ac.

TREATMENT B 0.00 ac. 0.00 ac. TREATMENT C 0.00 ac. 0.30 ac. 0.07 ac. TREATMENT D 0.00 ac.

EXISTING EXCESS PRECIPITATION:

Weighted E= (0.66)x(0.37)+(0.92)x(0.00)+(1.29)x(0.00)+(2.36)x(0.00)/0.37

V100-360= (0.66)x(0.37)/12 = 0.02035 ac-ft = 886.4 cf

EXISTING PEAK DISCHARGE:

EXCESS PRECIPTATION:

Q100= (1.87)x(0.37)+(2.60)x(0.00)+(3.45)x(0.00)+(5.02)x(0.00) = 0.69 cfs

PROPOSED EXCESS PRECIPITATION:

Weighted E= (0.66)x(0.00)+(0.92)x(0.00)+(1.29)x(0.30)+(2.36)x(0.07)/0.37

V100-360= (1.49)x(0.37)/12.0 = 0.04594 ac-ft = 2,001.2 cf

V100-1440= (0.05)+(0.07)x(3.10-2.60)/12 = 0.05292 ac-ft = 2,305.0 cf

V100-10day= (0.05)+(0.07)x(4.90-2.60)/12 = 0.06342 ac-ft = 2,762.4 cf

PROPOSED PEAK DISCHARGE:

Q100= (1.87)x(0.00)+(2.60)x(0.00)+(3.45)x(0.30)+(5.02)x(0.07) = 1.39 cfs

INCREASE: V100-360 = 1,114.8 cfQ100 = 0.70 cfs

A separate Excavation/Barricading Permit is required for SO-19 construction within City ROW. A copy of this approval letter must be on hand when applying for the permit. If there is a Work Order associated with this project, this work is to be included in the Work Order. To obtain a C.O., the storm drain work in the City ROW must be inspected and accepted. Please contact Jason Rodriguez, 857-8074, to schedule an inspection.

APPROVALS NAME

ENGINEER'S SEAL

NOTE: ALL WORK WITHIN PUBLIC EASEMENT SHALL BE PERFORMED UNDER SEPARATE Private Orainage Facilities within City Right-of-way Notice to Contractor (Special Order 10 ~ "SO-19")

- An excavation permit will be required before beginning any work within City Right-Of-Way. 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. Two working days prior to any excavation, the contractor must
- contact New Mexico One Call, dial "811" [or (505) 260-1990] for the location of existing utilities. 4. Prior to construction, the contractor shall excavate and verify the locations of all obstructions. 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 traffic/street use. 6. Maintenance of the facility shall be the responsibility of the

owner of the property being served. . Work on arterial streets shall be performed on a 24-hour basis

GRADING AND DRAINAGE PLAN

DATE

SHEET

PROJECT NO.

CITY OF ALBUQUERQUE

April 7, 2015



Levi J. Valdez, PE George T Rodriguez-Development Consultant 12800 San Juan Rd. SE Albuquerque, NM 87123

Re: NM Vietnamese Buddhist Temple

420 Pennsylvania SE Grading & Drainage Plan

Engineer's Stamp dated: 3-10-15 (L19D050)

Dear Mr. Valdez,

Based on the information provided in your submittal received 3/17/2015, this plan is approved for building Permit.

Please attach a copy of this approved plan, dated 3-10-15, to the construction sets in the permitting process prior to sign-off by Hydrology.

Prior to Certificate of Occupancy release, Engineer Certification per the DPM checklist will be required.

PO Box 1293

If you have any questions, you can contact me at 924-3695 or Rudy Rael at 924-3977.

Albuquerque

New Mexico 87103

www.cabq.gov

Sincerely,

Rita Harmon, P.E. Senior Engineer

Planning Department

RR/RH

C: email