CITY OF ALBUQUERQUE

Planning Department David Campbell, Director



Mayor Timothy M. Keller

October 19, 2018

Fred Arfman, P.E. Isaacson & Arfman, P.A. 128 Monroe St. N.E Albuquerque, NM 87108

RE: San Jose Catholic Church Parish Hall 2401 Broadway Blvd SE Revised Grading and Drainage Plan Engineer's Stamp Date: 10/17/18 Hydrology File: M14D016

Dear Mr. Arfman:

- PO Box 1293 Based on the submittal received on 10/17/18 the above-referenced submittal is re-approved for Building Permit.
 - Prior to Hydrology approval for Certificate of Occupancy:
- Albuquerque
- 1. Engineer's Certification, per the DPM Chapter 22.7: *Engineer's Certification Checklist For Non-Subdivision* is required; the submittal/resubmittal fee for this request is: \$150.
- NM 87103
 2. A Private Facility Drainage Covenant is required for the stormwater quality pond. The original notarized form, exhibit A (legible on 8.5x11 paper), and recording fee (\$25, payable to Bernalillo County) must be turned into DRC (4th, Plaza del Sol) for routing. Please contact Charlotte LaBadie (clabadie@cabq.gov, 924-3996) or Madeline Carruthers (mtafoya@cabq.gov, 924-3997) regarding the routing and recording process for covenants.
 - 3. The Private Facility Drainage Covenant must be recorded with Bernalillo County and a copy included with the Engineer's Certification. The routing and recording process for drainage covenants can take a month or longer; Hydrology recommends beginning this process as soon as possible as to not delay approval for certificate of occupancy
 - 4. Payment of Fee-in-Lieu will be required for any ponding areas not constructed and certified.

If you have any questions, please contact me at 924-3695 or dpeterson@cabq.gov.

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Mayor Timothy M. Keller

Sincerely,

an

Dana Peterson, P.E. Senior Engineer, Planning Dept. Development Review Services

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

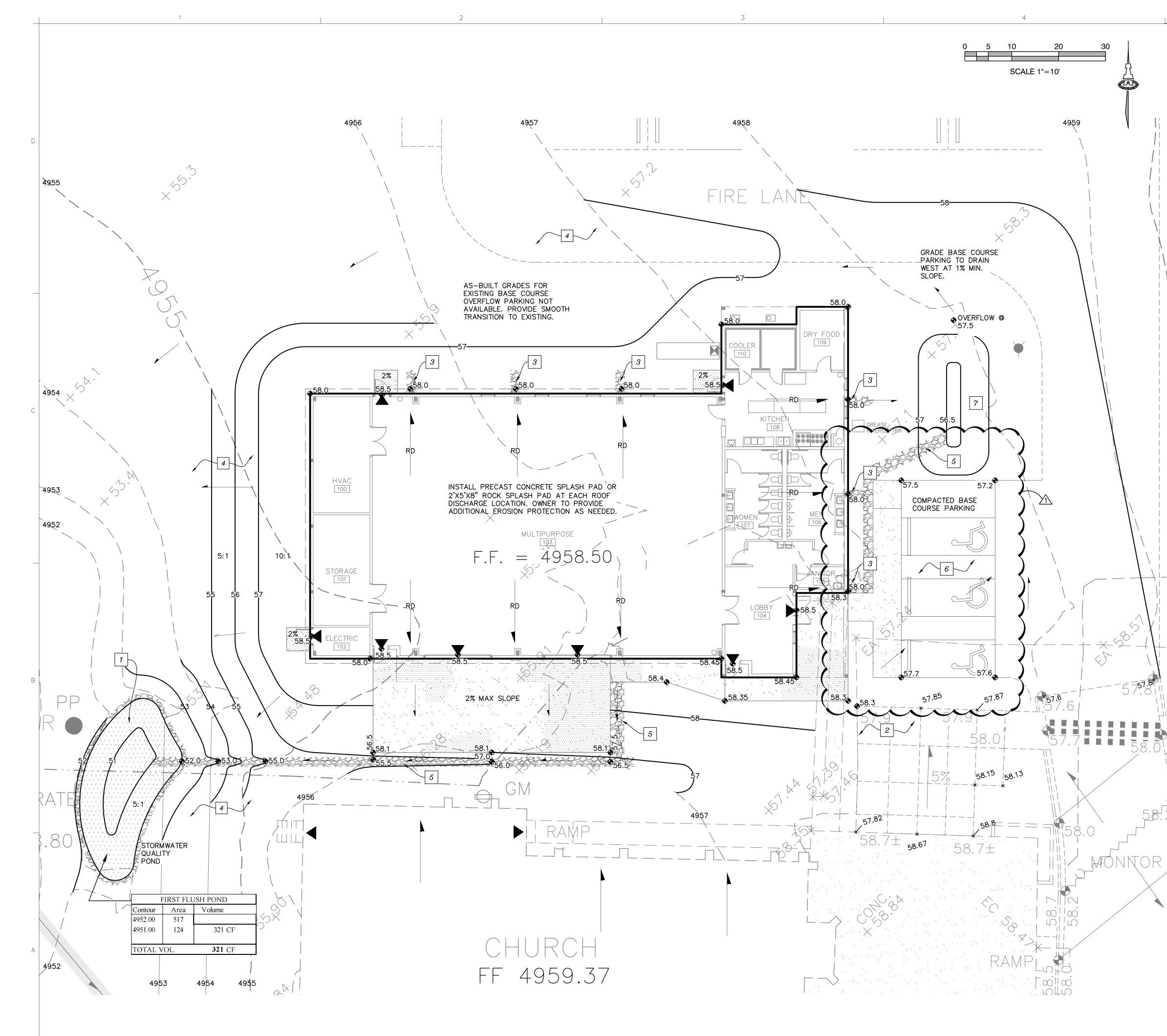
| Developm | Planning Departm Planning Departm nent & Building Ser | ent | FT (REV.6/2018) | |
|--|---|---|---------------------------------------|--|
| San Jose Catholic | | | 21.1 (Rev 0/2018) | |
| Project Title: Church Parish Hall | _Building Permit #: | Hydro | logy File #: <u>M14D016</u> | |
| DRB#: | _ EPC#: | Work | Order#: | |
| Legal Description: <u>Tract A, South San Jo</u> | | | | |
| City Address: 2401 Broadway Blvd. SE - A | Albuquerque, NM 87 | | | |
| | | | | |
| Applicant: Isaacson & Arfman, PA | | Contact: | Fred C. Arfman or Bryan J. Bobrick | |
| Address: 128 Monroe Street NE - Albuque | erque, NM 87108 | | | |
| Phone#: (505) 268-8828 | _Fax#: | E-mail: | freda@iacivil.com | |
| Other Contact: | | Contracto | bryanb@iacivil.com | |
| | | | | |
| Address: | | | | |
| Phone#: | _Fax#: | E-mail: | | |
| TYPE OF DEVELOPMENT: PLAT | RESIDENCE | X DRB SITE | _ ADMIN SITE | |
| Check all that Apply: | | | | |
| DEPARTMENT: <u>X</u> HYDROLOGY/ DRAINAGE TRAFFIC/ TRANSPORTATION | _X | PE OF APPROVAL/ACCE _ BUILDING PERMIT APPI _ CERTIFICATE OF OCCU | ROVAL | |
| TYPE OF SUBMITTAL: | | | | |
| ENGINEER/ARCHITECT CERTIFICATION | 1 | _PRELIMINARY PLAT AP | PPROVAL | |
| PAD CERTIFICATION | | _ SITE PLAN FOR SUB'D | | |
| CONCEPTUAL G & D PLAN | | SITE PLAN FOR BLDG. PERMIT APPROVAL | | |
| X GRADING PLAN | | _ FINAL PLAT APPROVA | L | |
| DRAINAGE REPORT | а. | | | |
| DRAINAGE MASTER PLAN | | SIA/ RELEASE OF FINAN | | |
| FLOODPLAIN DEVELOPMENT PERMIT A | | FOUNDATION PERMIT | | |
| ELEVATION CERTIFICATE | | GRADING PERMIT APPI SO-19 APPROVAL | XUVAL | |
| CLOMR/LOMR | | _ PAVING PERMIT APPRO | NV A T | |
| TRAFFIC CIRCULATION LAYOUT (TCL) TRAFFIC IMPACT STUDY (TIS) | | _ GRADING/ PAD CERTIF | | |
| STREET LIGHT LAYOUT | | WORK ORDER APPROVAL | | |
| OTHER (SPECIFY) | | _ CLOMR/LOMR | | |
| PRE-DESIGN MEETING? | | _ FLOODPLAIN DEVELOP | MENT PERMIT | |
| | v | _OTHER (SPECIFY) | | |
| IS THIS A RESUBMITTAL?: X Yes No |) | | | |
| | | f | | |

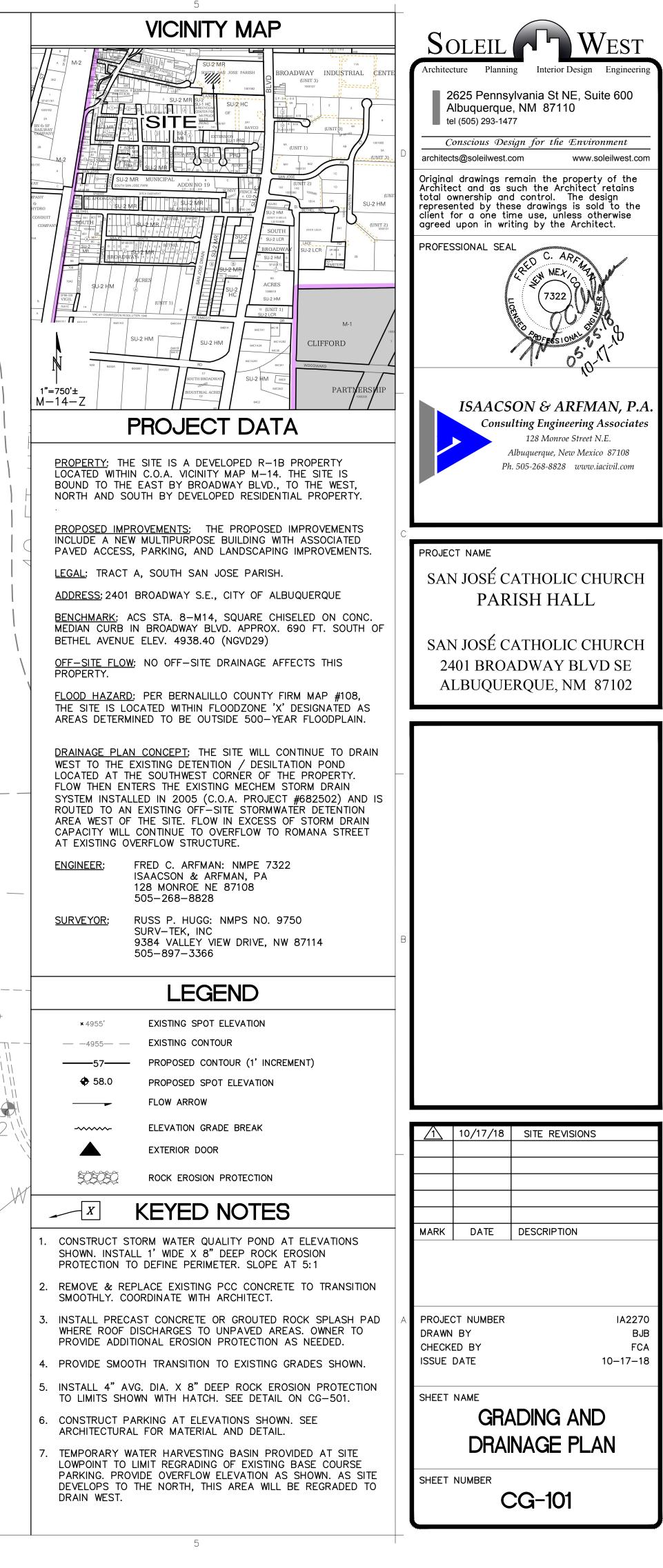
DATE SUBMITTED: October 17, 2018 By: Fred C. Arfman

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED:

FEE PAID:_____





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- A. THE CONTRACTOR SHALL ABIDE BY ALL STATE, LOCAL, AND FEDERAL LAWS, CODES, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS, INCLUDING EPA AND ADA **REQUIREMENTS.**
- B. NO WORK SHALL BE PERFORMED WITHOUT THE APPROPRIATE PERMITS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS FOR THE PROJECT PRIOR TO COMMENCING CONSTRUCTION, OR PRIOR TO OCCUPANCY, AS APPROPRIATE.
- C. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING OBSTRUCTIONS, AND CONDITION OF ALL EXISTING INFRASTRUCTURE PRIOR TO CONSTRUCTION. REPORT ALL DISCREPANCIES TO THE OWNER.
- D. CONTRACTOR SHALL OBTAIN ALL REQUIRED INSPECTIONS OF THE WORK. CONTRACTOR SHALL REGULARLY UPDATE OWNER REGARDING THE STATUS OF THE INSPECTIONS.
- E. CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROPERTY AND/OR PROJECT LIMITS. ANY DAMAGE TO ADJACENT STRUCTURES RESULTING FROM THE CONSTRUCTION PROCESS SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.
- F. FIVE WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NM811 (811) FOR LOCATION OF EXISTING UTILITIES.
- G. ALL SITE PREPARATION, GRADING OPERATIONS, FOUNDATION CONSTRUCTION, AND PAVEMENT INSTALLATION WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT, WHICH WILL BE PROVIDED BY THE OWNER.
- H. ALL TRASH, DEBRIS, & SURFACE VEGETATION SHALL BE CLEARED AND LEGALLY DISPOSED OF OFFSITE.
- I. VIBRATORY COMPACTION SHALL NOT BE USED OVER IN-PLACE UTILITIES. J. ADJUST ANY RIMS OF EXISTING UTILITY FEATURES AS NECESSARY TO MATCH NEW GRADES. UTILITIES IN PAVED AREAS SHALL BE HS-25

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TRAFFIC RATED.

GENERAL NOTES

- K. CONTRACTOR SHALL COMPLY WITH LOCAL REGULATIONS FOR RESEEDING OF DISTURBED AREAS.
- L. GRADING SHALL BE PERFORMED AT THE ELEVATIONS SHOWN ON THIS PLAN
- FINISH MATERIAL (I.E. TOP OF CONCRETE, TOP OF CONCRETE BUILDING PAD, TOP OF PAVEMENT MATERIAL, TOP OF LANDSCAPING MATERIAL, ETC.). CONTRACTOR SHALL GRADE, COMPACT SUBGRADE AND DETERMINE EARTHWORK ESTIMATES BASED ON ELEVATIONS SHOWN MINUS FINISH MATERIAL THICKNESSES.
- N. IF THE SITE IS SMALL ENOUGH NOT TO REQUIRE A SWPPP/NPDES PERMIT (LESS THAN ONE ACRE). THE CONTRACTOR SHALL STILL BE RESPONSIBLE FOR USING EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMP'S) TO ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO ADJACENT PUBLIC RIGHT-OF-WAY.
- O. MEASURES REQUIRED FOR EROSION AND SEDIMENT CONTROL SHALL BE INCIDENTAL TO THE PROJECT COST.
- P. ALL NEW PAVEMENT SURFACES SHALL BE CONSTRUCTED WITH POSITIVE SLOPE AWAY FROM BUILDINGS AND POSITIVE SLOPE TOWARD EXISTING AND/OR PROPOSED DRAINAGE PATHS. PAVING AND ROADWAY GRADES SHALL BE ±0.1' FROM PLAN ELEVATIONS. BUILDING PAD ELEVATION SHALL BE ± 0.05 ' FROM PLAN ELEVATION.
- Q. PAVEMENT GRADES IN MARKED HANDICAPPED PARKING AREAS SHALL NOT EXCEED 2.0% IN ANY DIRECTION. FOR ALL ACCESSIBLE ROUTES, MAXIMUM ALLOWABLE CROSS SLOPE IS 2.0% AND MAXIMUM LONGITUDINAL SLOPE WITHOUT RAMP IS 5.0%. FOLLOW ALL ADA ACCESSIBILITY GUIDELINES OR CITY CODES, WHICHEVER IS MORE STRINGENT.
- R. ALL EROSION PROTECTION TO BE INSTALLED AS 4" AVG. DIA. ANGULAR FACED ROCK (F.F. ROCK) PLACED OVER GEOTEX 501 NON-WOVEN GEOTEXTILE (O.E.).
- S. SIDESLOPES STEEPER THAN 3:1 BUT LESS THAN 2:1 MUST HAVE

| | CA | LCULATION | S: SA | N JOSE CATHO | LIC | | | |
|--|---------|-------------------|--------|---------------------|-----|--|--|--|
| Based on Drainage Design Criteria for City of Albuquerque Section 22 | | | | | | | | |
| | | | | ON-SITE | | | | |
| AREA OF SITE | Ξ: | | | 30870 | SF | | | |
| | | | | 100-year, 6-hour | | | | |
| HISTORIC FI | LOWS | : | | DEVELOPED FI | LOW | | | |
| | | Treatment SF | % | | | | | |
| Area A | = | 0 | 0% | Area A | = | | | |
| Area B | = | 7717.5 | 25% | Area B | = | | | |
| Area C | = | 23152.5 | 75% | Area C | = | | | |
| Area D | = | 0 | 0% | Area D | = | | | |
| Total Area | = | 30870 | 100% | Total Area | = | | | |
| On-Site Weight | ed Exce | ess Precinitation | (100-3 | /ear_6-Hour_Storm |) | | | |

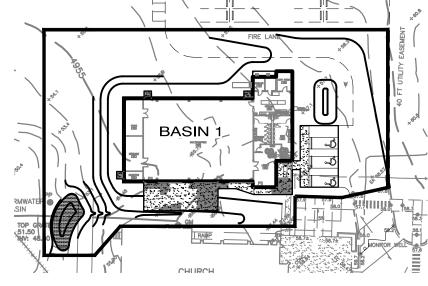
PERMANENT EROSION PROTECTION INSTALLED, TYPICAL. NO SLOPE SHALL Architecture Planning Interior Design Engineerin BE STEEPER THAN 2:1. T. POND DESIGN PARAMETERS AND STORMWATER CONTROL MEASURES SHOWN 2625 Pennsylvania St NE. Suite 600 ON THIS PLAN (TOP OF POND, BOTTOM OF POND, SIZE OF ORIFICE, AREA Albuquerque, NM 87110 OF POND, ETC.) TO BE STRICTLY ADHERED TO FOR CERTIFICATION tel (505) 293-1477 PURPOSES. U. POST-CONSTRUCTION MAINTENANCE FOR PRIVATE STORMWATER FACILITIES Conscious Design for the Environment WILL BE THE RESPONSIBLITY OF THE FACILITIES OWNER. PERIODIC INSPECTION AND CERTIFICATIONS OF THE FACILITIES MAY BE REQUIRED BY architects@soleilwest.com www.soleilwest.com THE CITY ENGINEER. ENGINEER RECOMMENDS THAT OWNER INSPECT SITE Original drawings remain the property of the Architect and as such the Architect retains YEARLY AND AFTER EACH RAINFALL TO IDENTIFY NEW AREAS OF EROSION AND INSTALL ADDITIONAL EROSION PROTECTION AS NEEDED BASED ON total ownership and control. The design ACTUAL OCCURRENCES. represented by these drawings is sold to the V. FOR ENGINEER'S CERTIFICATION OF SUBSTANTIAL COMPLIANCE (FOR client for a one time use, unless otherwise agreed upon in writing by the Architect. CERTIFICATE OF OCCUPANCY) CONTRACTOR SHALL PROVIDE AN AUTOCAD FORMAT AS-BUILT SURVEY PREPARED BY A LICENSED SURVEYOR WHICH PROFESSIONAL SEAL INCLUDES: C. ARA • AS-BUILT SPOT ELEVATIONS AT EACH DESIGN SPOT ELEVATION SHOWN ON THE APPROVED PLAN; MEX, • TOP AND BOTTOM ELEVATIONS AS REQUIRED TO DEFINE THE PERIMETER OF PONDS (TO BE USED BY ENGINEER TO CALCULATE AS-BUILT 7322 VOLUME PROVIDED); • POND OVERFLOW ELEVATIONS • ALL CONSTRUCTION, INCLUDING DRAIN INLETS, PIPES AND PONDS SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THE APPROVED PLAN IN ORDER TO RECEIVE ENGINEER'S CERTIFICATION. W. GRADING OF FIRST FLUSH RETENTION BASINS WILL BE INSPECTED AS PART OF ENGINEER'S CERTIFICATION FOR CERTIFICATE OF OCCUPANCY. ISAACSON & ARFMAN, P.A **Consulting Engineering Associates** 128 Monroe Street N.E. Albuquerque, New Mexico 87108 Ph. 505-268-8828 www.iacivil.com CALCULATIONS PROJECT NAME **CHURCH - PERISH HALL :** .2, DPM, Vol 2, dated Jan., 1993 SAN JOSÉ CATHOLIC CHURCH PARISH HALL 0.7 = **EXCESS PRECIP:** /S: Treatment SF % Precip. Zone SAN JOSÉ CATHOLIC CHURCH 0 0% $E_{A} = 0.53$ 2401 BROADWAY BLVD SE 20% $E_{B} = 0.78$ 6174 ALBUQUERQUE, NM 87102 14818 48% $E_{C} = 1.13$ 9878 32% $E_{D} = 2.12$ 100% 30870 Weighted E = $\underline{E_A}A_A + \underline{E_B}A_B + \underline{E_C}A_C + \underline{E_D}A_D$ 1.38 in. E*A / 12 2682 CF Developed V_{360} = 3542 CF FIRST FLUSH POND Volume Contour Area 4952.00 517 124 4951.00 321 CF $Q_{pA} = 1.56$ $Q_{pC} = 3.14$ $Q_{pB} = 2.28$ $Q_{pD} = 4.70$ **321** CF TOTAL VOL. 2.1 CFS Developed Q_p 2.5 CFS = = REQUIRED FIRST FLUSH VOLUME = 8644 SF * 0.34" / 12 = 280 CF \sum 1 10/17/18 SITE REVISIONS - TOP OF FINISHED 3'-0" LANDSCAPE MARK DATE DESCRIPTION MATERIAL GRADE - 12" THICK TYP. CONSTRUCT ALL SWALES AND FRACTURED FACE ROCK EROSION PROJECT NUMBER IA2270 PROTECTION BELOW ADJACENT GRADE TO DRAWN BY BJB ENSURE RUNOFF CAN BE CHECKED BY FCA • VARY FRACTURED FACE ROCK SIZE BETWEEN 2" AND CAPTURED AND ISSUE DATE 10-17-18 6" DIA. (AVG.=4"). CONVEYED PROPERLY • PLACE GEOTEX 501 NON-WOVEN GEOTEXTILE (0.E.) BENEATH ALL EROSION PROTECTION. SHEET NAME GRADING AND DRAINAGE NOTES AND DETAILS FRACTURED FACE ROCK SWALE SHEET NUMBER CG-101

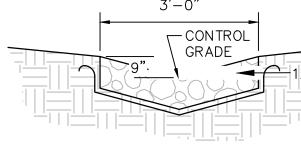
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| Historic $E = 1.04$ in. Developed E | = |
|-------------------------------------|---|
|-------------------------------------|---|

Historic $V_{360} =$

M. PROPOSED SPOT AND CONTOUR ELEVATIONS SHOWN REPRESENT TOP OF STORMWATER CONTROL MEASURES ARE REQUIRED TO PROVIDE MANAGEMENT OF FIRST FLUSH DEFINED AS THE 90TH PERCENTILE STORM [LESS INITIAL ABSTRACTION] OR 0.34" OF STORMWATER WHICH DISCHARGES FROM IMPERVIOUS SURFACES. STORM WATER FROM THE IMPERVIOUS AREAS SHALL BE DIRECTED TO STORMWATER QUALITY VOLUME BASINS. On-Site Weighted Excess Precipitation (100-Year, 6-Hour Storm) On-Site Volume of Runoff: V360 =On-Site Peak Discharge Rate: $Qp = Q_{pA}A_A + Q_{pB}A_B + Q_{pC}A_C + Q_{pD}A_D / 43,560$ For Precipitation Zone 2 Historic Q_p BASIN MAP:





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