CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director

Mayor Timothy M. Keller

August 12, 2021

Scott McGee, P.E.
9700 Sand Verbena Trail NE
Albuquerque, NM 87122

RE: Solare Charter School
8801 Gibson Blvd SW
Temporary C.O. - Accepted
Engineer's Certification Date: 08/03/21
Engineer's Stamp Date: 11/17/20
Hydrology File: M09D031A

Dear Mr. McGee:

Based **solely** on the Certification received 08/08/2021, this certification is approved in support of Temporary Release of Occupancy by Hydrology. **The following comment needs to be addressed prior to acceptance for Permanent C.O.:**

1. Please note that Hydrology will need a pdf copy of the recorded Drainage Covenant prior to Hydrology's approval of Permanent Release of Occupancy.

If you have any questions, please contact me at 924-3995 or rbrissette@cabq.gov.

Sincerely,

Renée C. Brissette

Renée C. Brissette, P.E. CFM
Senior Engineer, Hydrology
Planning Department

PO Box 1293
Albuquerque
NM 87103
www.cabq.gov

City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 11/2018)

Project Title: SOLARE CHARTER SCHOOL Building Permit #: _____ Hydrology File #: M09/D031A

DRB#: _____ EPC#: _____ Work Order#: _____

Legal Description: TRACT 12-B-1-B EL RANCHO GRANDE I

City Address: 8801 GIBSON BLVD SW

Applicant: SMM PE, LLC Contact: Scott McGee

Address: 790 TRAMWAY LANE NE #10C

Phone#: 263-2905 Fax#: _____ E-mail: scottmmcgee@gmail.com

Owner: _____ Contact: _____

Address: _____

Phone#: _____ Fax#: _____ E-mail: _____

TYPE OF SUBMITTAL: _____ PLAT (___# OF LOTS) ____ RESIDENCE ____ DRB SITE __X__ ADMIN SITE

IS THIS A RESUBMITTAL?: _____ Yes __X__ No

DEPARTMENT: _____ TRAFFIC/ TRANSPORTATION __X__ HYDROLOGY/ DRAINAGE

Check all that Apply:

TYPE OF SUBMITTAL:

__X__ ENGINEER/ARCHITECT CERTIFICATION
____ PAD CERTIFICATION
____ CONCEPTUAL G & D PLAN
____ GRADING PLAN
____ DRAINAGE MASTER PLAN
____ DRAINAGE REPORT
____ FLOODPLAIN DEVELOPMENT PERMIT APPLIC
____ ELEVATION CERTIFICATE
____ CLOMR/LOMR
____ TRAFFIC CIRCULATION LAYOUT (TCL)
____ TRAFFIC IMPACT STUDY (TIS)
____ OTHER (SPECIFY) _____
____ PRE-DESIGN MEETING?

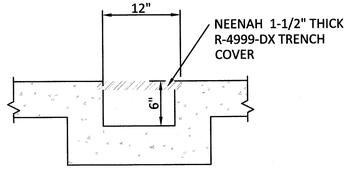
TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

____ BUILDING PERMIT APPROVAL
__X__ CERTIFICATE OF OCCUPANCY
____ PRELIMINARY PLAT APPROVAL
____ SITE PLAN FOR SUB'D APPROVAL
____ SITE PLAN FOR BLDG. PERMIT APPROVAL
____ FINAL PLAT APPROVAL
____ SIA/ RELEASE OF FINANCIAL GUARANTEE
____ FOUNDATION PERMIT APPROVAL
____ GRADING PERMIT APPROVAL
____ SO-19 APPROVAL
____ PAVING PERMIT APPROVAL
____ GRADING/ PAD CERTIFICATION
____ WORK ORDER APPROVAL
____ CLOMR/LOMR
____ FLOODPLAIN DEVELOPMENT PERMIT
____ OTHER (SPECIFY) _____

DATE SUBMITTED: 8/042021 By: Scott McGee

COA STAFF: ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____



SIDEWALK CULVERT DETAIL

NTS

DRAINAGE CERTIFICATION

I, SCOTT M MCGEE, NMPE 10519, OF THE FIRM SCOTT M MCGEE PE, LLC, HEREBY CERTIFY THAT THIS SITE HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 11/17/20. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL PLAN WAS OBTAINED BY BRIAN J MARTINEZ, NMPLS # 18374, OF CARTESIAN SURVEYS. I ALSO CERTIFY THAT I VISITED THE SITE ON 8/01/21 AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE SURVEY DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR A PERMANENT CERTIFICATE OF OCCUPANCY.

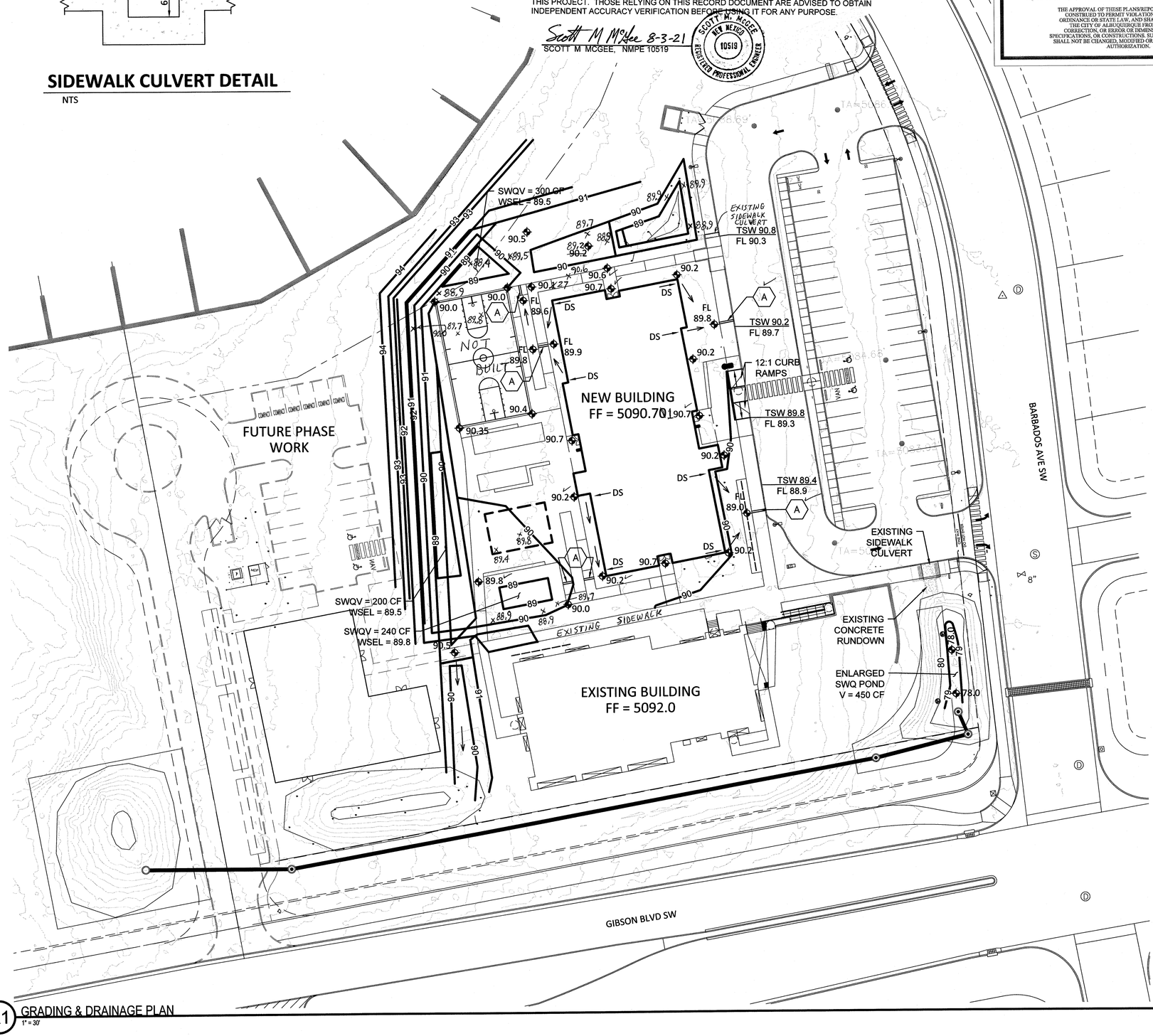
THE RECORD INFORMATION SHOWN HEREON IS NOT NECESSARILY COMPLETE AND IS ONLY INTENDED TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING/ DRAINAGE ASPECTS OF THIS PROJECT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT ACCURACY VERIFICATION BEFORE USING IT FOR ANY PURPOSE.

Scott M McGee 8-3-21
SCOTT M MCGEE, NMPE 10519

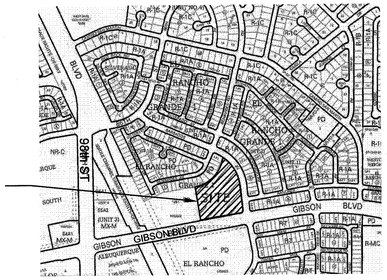
SCOTT M. MCGEE NEW MEXICO 10519 REGISTERED PROFESSIONAL ENGINEER

City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
APPROVED
DATE: 12/04/20
BY: Renée C Brissette
HydroTrans # M09D031A

THE APPROVAL OF THESE PLANS/REPORT SHALL NOT BE CONSTRUED TO PERMIT VIOLATIONS OF ANY CITY ORDINANCE OR STATE LAW, AND SHALL NOT PREVENT THE CITY OF ALBUQUERQUE FROM REQUIRING CORRECTION, OR ERROR OR IMMENSIONS IN PLANS, SPECIFICATIONS, OR CONSTRUCTIONS. SUCH APPROVED PLANS SHALL NOT BE CHANGED, MODIFIED OR ALTERED WITHOUT AUTHORIZATION.



A1 GRADING & DRAINAGE PLAN
1" = 30'



VICINITY MAP M-9

LEGEND

----------	EXISTING CONTOURS
————	NEW CONTOUR
5090.71 FF=~~4973.00~~	PROPOSED BUILDING FINISH FLOOR ELEV
◆36.5	NEW SPOT ELEVATION
----------	NEW CONSTRUCTION
← DS	DOWNSPOUT
TC	TOP OF CURB
×89.6	AS-BUILT ELEVATION

KEYED NOTES

A. INSTALL NEW 12" SIDEWALK CULVERT.

DRAINAGE ANALYSIS

LEGAL: Tract 12-B-1-B, El Rancho Grande I, Albuquerque, NM
ADDRESS: 8801 GIBSON BLVD SW
SITE AREA: 4.88 acres
PROJECT AREA = 180'x215' = 38,700 SF (0.89 AC)
BENCHMARK: City of Albuquerque Station '10_M9' being an aluminum disc
ELEV= 5082.551 (NAVD 1988)

SURVEYOR: CSI-Cartesian Surveys Inc. dated September 2020

PRECIPITATION ZONE: 1

FLOOD HAZARD: From FEMA Map 35001C0336H (dated 8/16/2012), this site is identified as being within Zone 'X' which is determined to be outside the 0.2% chance annual floodplain.

EXISTING CONDITIONS: The existing site is developed with a single classroom building, paved parking lot and drop-off drive aisle, and xeric landscaping. It slopes from the west down to the east at approximately 3%. There are 2 onsite detention ponding areas located east and west of the existing building.

PROPOSED IMPROVEMENTS: The proposed improvements include an 11,980 SF classroom building with several sports courts west of the building. The existing parking will be sufficient to support the new building.

DRAINAGE APPROACH: The drainage plan will equally split the roof flows to both the east and west sides of the building. A landscaped retention pond is proposed north of the building to store the east half of the roof. Developed roof and sports court runoff will discharge via surface flow to the southwest of the building where an existing pond will be enlarged to retain the needed SWQ volume.

Existing land treatment: 100% C (previously disturbed)
Q= (2.87)(0.89) = 2.55 CFS

Proposed land treatment: 45% C and 55% D
Q= [(0.45)(2.87)+(0.55)(4.37)](0.89) = 3.3 CFS

Storm water quality volume (SWQV) is based on 0.42" rain over the impervious area giving -- V=(21,260)(0.42/12) = 744 CF
The depressed landscape ponds provide a total of 1,190 CF onsite retention storage volume at 0.5-0.8' depth.

scout
ARCHITECTURE + DESIGN

ARCHITECT/ ENGINEER

SCOTT M. McGEE NEW MEXICO 10519 REGISTERED PROFESSIONAL ENGINEER
11/17/2020

SOLARE COLLEGIATE CHARTER SCHOOL
8801 GIBSON BLVD SW
ALBUQUERQUE, NM 87121

ISSUE FOR PERMIT

REVISION	DATE

DATE	11/20/20
PROJECT NO	2005

GRADING & DRAINAGE PLAN

SHEET NO.
C101