

# SITE LOCATION

THE ST. THERESE CATHOLIC SCHOOL PROPERTY IS LOCATED WITHIN THE CITY OF ALBUQUERQUE, NEW MEXICO AND CAN BE ACCESSED BY TRAVELING WEST ON CANDELARIA BLVD TO 4TH STREET, SOUTH ON 4TH STREET TO SHOPSHIRE, AND LEFT ON SHOPSHIRE ROAD (SEE VICINITY MAP ABOVE).

### EXISTING ON SITE CONDITIONS

THE SITE AREA IS APPROXIMATELY 140' X 140' AND IS LOCATED ON THE CAMPUS OF THE ST. THERESE SCHOOL. THE SITE CONSISTS OF 0.45 ACRES AND IS CURRENTLY DEVELOPED WITH LANDSCAPING AND SMALL OUTBUILDINGS. THE SITE GENERALLY SLOPES TO THE SOUTHWEST WITH AN AVERAGE SLOPE OF 1%. THE HYDROLOGY CALCULATIONS FOR EXISTING CONDITIONS CAN BE FOUND ON THIS SHEET.

# PROPOSED CONDITIONS

THE PROPOSED PROJECT WILL CONSIST OF A NEW 4680 SF BUILDING WITH ASSOCIATED PATIOS AREAS AND CONCRETE SIDEWALKS (SEE SHEET C-101). THE SITE WILL BE GRADED WITH SWALES AROUND THE PERIMETER OF THE BUILDING TO PROMOTE POSITIVE DRAINAGE AWAY FROM THE NEW BUILDING FOUNDATION. THE PERIMETER SWALES WILL DISCHARGE TO THREE NEW WATER HARVEST AREAS LOCATED ON THE SITE. THE HYDROLOGY CALCULATIONS FOR PROPOSED CONDITIONS ARE LOCATED ON THIS SHEET.

STORM WATER RUNOFF FROM THIS SITE WILL BE MANAGED WITH A SERIES OF WATER HARVEST FEATURES LOCATED ON THE SITE THAT WILL PROVIDE ADEQUATE STORAGE FOR THE FIRST FLUSH AND FOR THE INCREASE IN STORM WATER RUNOFF FROM THE SITE. THE PROPOSED WATER HARVEST PONDS OVERFLOW BACK IN TO THE EXISTING PARKING LOT AREA AND ITS HISTORICAL FLOW PATH BEFORE DISCHARGING INTO SHOPSHIRE ROAD. THE RETENTION VOLUME CALCULATIONS FOR THE WATER HARVEST AREAS ARE CONTAINED ON THIS SHEET.

#### CONCLUSION

WHEN FULLY DEVELOPED, THE SITE AS INDICATED ON THE SITE DEVELOPMENT PLAN, WILL GENERATE AN INCREASE IN RUNOFF OF 0.23 CFS AND .018 ACRE -FEET DURING THE 100-YEAR, 24 HOUR EVENT. THE HYDROLOGY SUMMARY TABLE ON THIS SHEET CONTAINS A SUMMARY OF EXISTING, PROPOSED, AND INCREASED FLOW RATES AND VOLUMES FOR THE SITE. THE POND VALUE TABLE ON THIS SHEET ALSO DEMONSTRATES THE TOTAL RETENTION VOLUME PROVIDED BY THE THREE WATER HARVEST PONDS. THIS PLAN PROVIDES A TOTAL PROPOSED RETENTION VOLUME OF 0.032 ACRE -FEET OR 1377 CF UNDER FULLY DEVELOPED CONDITIONS.

			Structure and special	
WA	TER HAR	VEST AREA	1 proposed	
Pond Ra	ating Table	e		
Side Slo	ре			
Elev.	Area	Volume	Cum Volume	
(ft)	(sq ft)	(ac-ft)	(ac-ft)	
68.3	700	0.000	0.000	
68.8	990	422.500	422.500	
WA	TER HAR	VEST AREA	2 proposed	
Pond Ra	ating Table	е		
Side Slope				
Depth	Area	Volume	Cum Volume	
(ft)	(sq ft)	(ac-ft)	(ac-ft)	
67.5	700	0.000	0.000	
68.5	990	845.000	845.000	
WA	TER HAR	VEST AREA	3 proposed	
Pond Ra	ating Table	е		
Side Slo				
Depth	Area	Volume	Cum Volume	
			212	

(ac-ft)

0.000

110.250

3

(sq ft)

144

297

(ft)

68.5

69

(ac-ft)

0.000

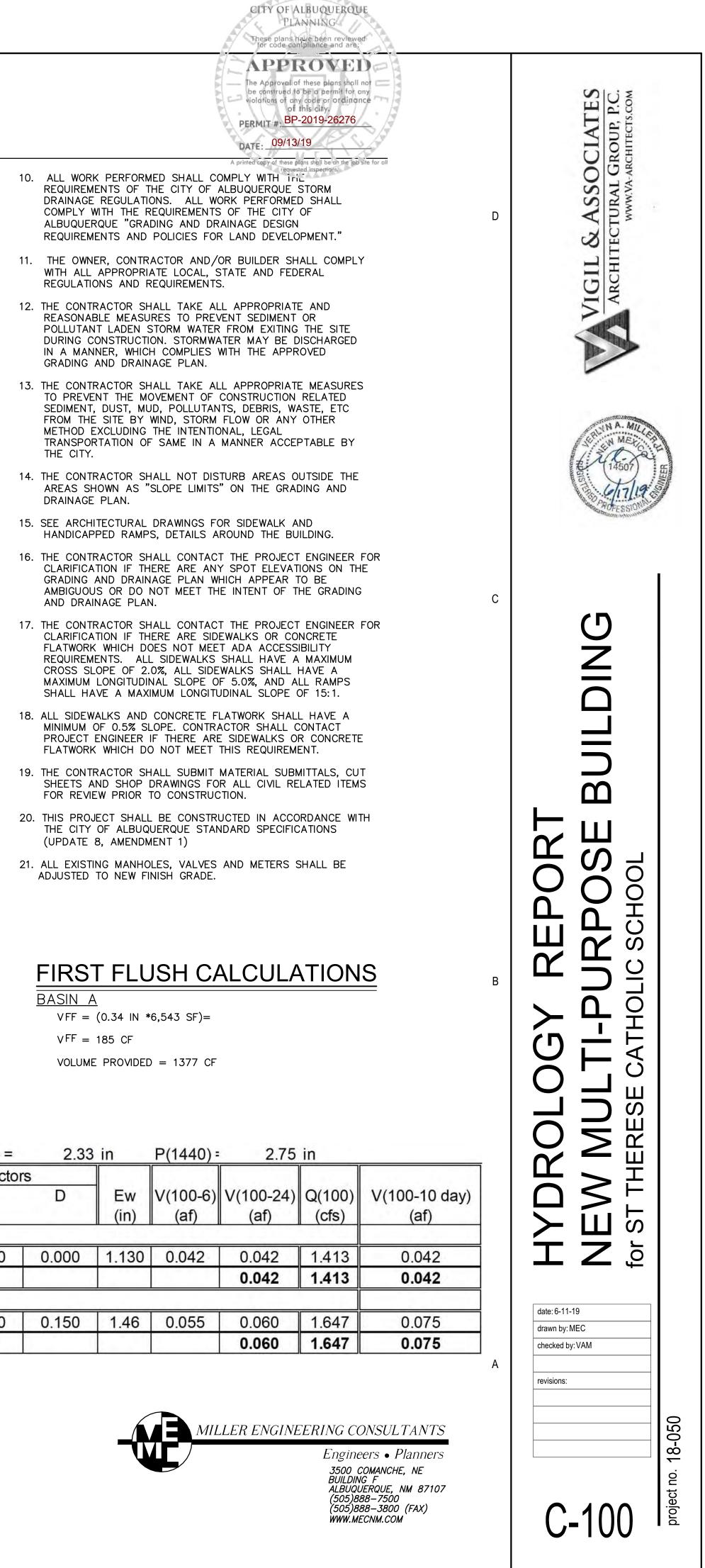
110.250

## GENERAL NOTES:

- 1. EXISTING TOPOGRAPHIC DATA SHOWN ON THESE PLANS WAS PROVIDED BY SANDIA LAND SURVEYING LLC. MILLER ENGINEERING CONSULTANTS HAS UNDERTAKEN NO FIELD VERIFICATION OF THIS INFORMATION.
- 2. ACS STA 6-G15 THE STATION IS LOCATED 2.2 MILES NORTH OF DOWNTOWN ALBUQUERQUE AT THE INTERSECTION OF CANDELARIA ROAD AND THE BNSF RAILROAD TRACKS. TO REACH THE STATION FROM THE INTERSECTION OF CANDELARIA ROAD AND I-25 NE, TRAVEL WEST ON CANDELARIA ROAD 0.8 MILES TO THE EAST SIDE OF THE BNSF RAILROAD TRACKS AND THE STATION ON THE RIGHT.THE STATION MARK IS A CITY OF ALBUQUERQUE SURVEY CONTROL 3" BRASS DISC STAMPED "6-G15 1979" SET IN A TRAFFIC SIGNAL BOX 0.6 FEET BELOW THE SURFACE OF THE GROUND ELEV. 4975.35 (NAVD 1988)
- 3. THE CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY SEDIMENT AND EROSION CONTROL DEVICES DURING THE CONSTRUCTION PHASE.
- 4. CONTRACTOR SHALL OBTAIN A GRADING PERMIT FROM THE CITY OF ALBUQUERQUE, PRIOR TO ANY GRADING OR CONSTRUCTION.
- 5. TWO WORKING DAYS PRIOR TO ANY EXCAVATION CONTRACTOR MUST CONTACT LINE LOCATING SERVICE 260–1990 FOR LOCATION OF EXISTING UTILITIES.
- 6. ALL EMBANKMENTS SHALL BE PLACED AND COMPACTED IN LIFTS OF MAXIMUM OF 8". THE EMBANKMENTS SHALL BE WETTED AND COMPACTED TO 95% OPTIMUM DENSITY PER ASTM D1557 AND 95% UNDER ALL STRUCTURES INCLUDING DRIVEWAYS AND PARKING LOTS.
- 7. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER(S) OF THE PROPERTY SERVED.
- 8. THE CONTRACTOR SHALL FIELD VERIFY LOCATION AND SIZE OF ALL UTILITIES PRIOR TO CONSTRUCTION.
- 9. THE SUBJECT PROPERTY IS LOCATED WITHIN ZONE X (500 YEAR) DESIGNATING AREAS DETERMINED TO BE OUTSIDE THE 100-YEAR FLOOD PLANE ACCORDING TO THE FLOOD INSURANCE RATE MAP, ALBUQUERQUE, NEW MEXICO AND UNINCORPORATED AREAS PER MAP NO 35001C 0332G.

Precipita	tion Zone 2	- 100-year	Storm	P(360)
	Basin	Land Treatment Fac		
Basin	Area	A	В	С
	(Ac)	(Acres)		
Existing (	Conditions			
Site	0.450	0.000	0.000	0.450
Total	0.450			
Proposed	d Condition	S		
Site	0.450	0.000	0.000	0.300
Total	0.450			

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