CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director

Mayor Timothy M. Keller

December 13, 2022

Verlyn Miller, P.E.
Miller Engineering Consultants, Inc
3500 Comanche NE Bldg. F
Albuquerque, NM 87107

RE: Explore Academy - Addition
6600 Gulton Ct NE
Grading & Drainage Plans
Engineer's Stamp Date: 12/12/22
Hydrology File: E17D012

Dear Mr. Miller:

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

Based upon the information provided in your submittal received 11/15/2022, the Grading & Drainage Plan is approved for Building Permit and Grading Permit. Please attach a copy of this approved plan in the construction sets for Building Permit processing along with a copy of this letter.

PRIOR TO CERTIFICATE OF OCCUPANCY:

1. Engineer's Certification, per the DPM Part 6-14 (F): *Engineer's Certification Checklist For Non-Subdivision* is required.
2. Please provide the executed paper Drainage Covenant (latest revision) printed on one-side only with Exhibit A and a check for **$25.00** made out to "**Bernalillo County**" for the stormwater quality ponds per Article 6-15(C) of the DPM to Hydrology for review at Plaza de Sol. Once the review is done, Hydrology will send back an email stating our approval/comments.
3. Please pay the Payment-in-Lieu of **$ 5,320.00** by emailing the attached approved Waiver Application from Stormwater Quality Volume Management On-site to PLNDRS@cabq.gov. Once this is received, a receipt will then produce and email back with instructions on how to pay online. Once paid, please email me proof of payment.

As a reminder, if the project total area of disturbance (including the staging area and any work within the adjacent Right-of-Way) is 1 acre or more, then an Erosion and Sediment Control (ESC) Plan and Owner's certified Notice of Intent (NOI) is required to be submitted to the Stormwater Quality Engineer (Doug Hughes, PE, jhughes@cabq.gov, 924-3420) 14 days prior to any earth disturbance.

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: Explore Academy Albuquerque Building Permit #: _____ Hydrology File #: E17D012

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

Legal Description: *3-C A REPLAT LOT 3 INTERSTATE INDUSTRIAL TRACT UNIT II

City Address: 6605 Gulton Ct NE Albuquerque, NM 87109

Applicant: The Hartman + Majewski Design Group Contact: Wendy Caruso

Address: 120 Vassar Dr. SE, Ste. 100, Albuquerque, NM 87106

Phone#: 202-242-6880 Fax#: _____ E-mail: wcaruso@designgroup.com

Owner: EXPLORE ACADEMY FOUNDATION Contact: _____

Address: 5100 MASTHEAD ST NE ALBUQUERQUE NM 87109 4366

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

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

IS THIS A RESUBMITTAL?: X Yes _____ No

DEPARTMENT: _____ TRAFFIC/ TRANSPORTATION X HYDROLOGY/ DRAINAGE

Check all that Apply:

TYPE OF SUBMITTAL:

____ ENGINEER/ARCHITECT CERTIFICATION
____ PAD CERTIFICATION
____ CONCEPTUAL G & D PLAN
X 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:

X BUILDING PERMIT APPROVAL
____ 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: 10-27-2022 By: Verlyn A. Miller, P.E.

COA STAFF: ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____

CITY OF ALBUQUERQUE
PLANNING DEPARTMENT
HYDROLOGY DEVELOPMENT SECTION

WAIVER APPLICATION FROM STORMWATER QUALITY VOLUME MANAGEMENT ON-SITE

GENERAL INFORMATION

APPLICANT: EXPLORE ACADEMY FOUNDATION DATE: 12-13-2022

DEVELOPMENT: Explore Academy Albuquerque

LOCATION: 6605 Gulton Ct. NE, Albuquerque, NM 87109

*3-C A REPLAT LOT 3 INTERSTATE INDUSTRIAL TRACT UNIT II

STORMWATER QUALITY POND VOLUME

Per the DPM Article 6-12 - Stormwater Quality and Low-Impact Development, the calculated sizing for required Stormwater Quality Pond volume is equal to the impervious area draining to the BMP multiplied by 0.42 inches for new development sites and by 0.26 inches for redevelopment sites.

The required volume is 1115 cubic feet

The provided volume is 450 cubic feet

The deficient volume is 665 cubic feet

WAIVER JUSTIFICATION

Per the DPM Article 6-12(C), private off-site mitigation and payment-in-lieu may only be considered if management on-site is waived in accordance with the following criteria and procedures.

1. Management on-site shall be waived by the City Engineer if the following conditions are met:

a. Stormwater quality can be effectively controlled through private off-site mitigation or through an arrangement (approved by the City) to use a cooperator's existing regional stormwater management infrastructure or facilities that are available to control stormwater quality.
b. Any of the following conditions apply:
    i. The lot is too small to accommodate management on site while also accommodating the full plan of development.
    ii. The soil is not stable as demonstrated by a geotechnical report certified by a professional engineer licensed in the State of New Mexico.
    iii. The site use is inconsistent with the capture and reuse of stormwater.
    iv. Other physical conditions exist where compliance with on-site stormwater quality control leaves insufficient area.
    v. Public or private off-site facilities provide an opportunity to effectively accomplish the mitigation requirements of the Drainage Ordinance (Part 14-5-2 ROA 1994) as demonstrated on as-built construction drawings and an approved drainage report.
    vi. The developer constructs a project to replenish regional groundwater supplies at an off-site location.
    vii. A waiver to State water law or acquisition of water rights would be required in order to implement management on site.

2. The basis for requesting payment-in-lieu or private off-site mitigation is to be clearly demonstrated on the drainage plan.

This project's justification: The site is currently developed and there are limited areas available for a water quality pond as a part of the redevelopment of this site. As such, the owner is requesting to make payment in lieu of water quality ponding for this project.

Professional Engineer or Architect

PAYMENT-IN-LIEU

Per the DPM Article 6-12(C)(1), the amount of payment-in-lieu is deficient volume (cubic feet) times $6 per cubic feet for detached single-family residential projects or $8 per cubic feet for all other projects.

AMOUNT OF PAYMENT-IN-LIEU = $ 5,320.00

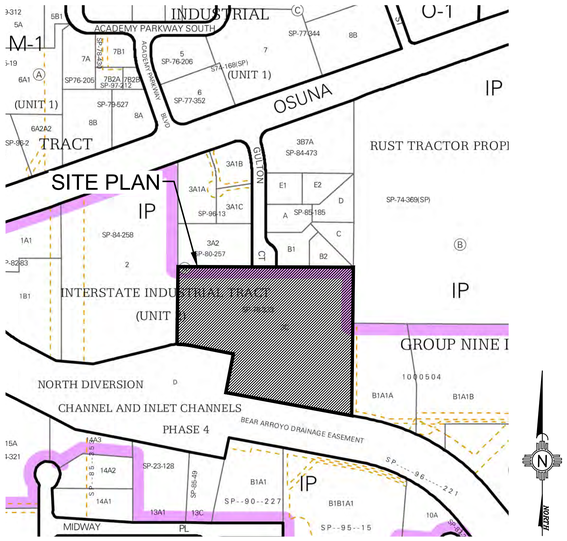
THIS SECTION IS FOR CITY USE ONLY

[X] Waiver is approved. The amount of payment-in-lieu from above must be paid prior to Certificate of Occupancy.

[ ] Waiver is DENIED.

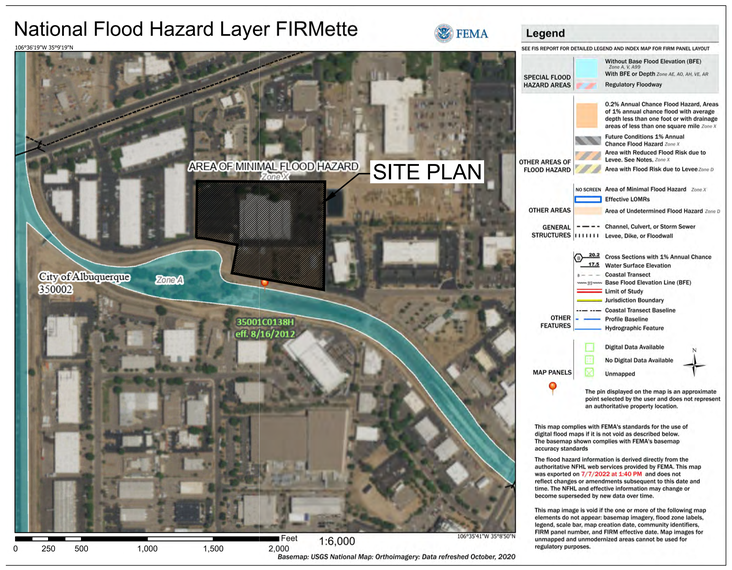
Renée C. Brissette 12/13/22

City of Albuquerque
Hydrology Section



C1 VICINITY MAP

ZONE ATLAS MAP E-17-Z



A1 FLOOD ZONE MAP

FLOOD ZONE MAP: 35001C0138H

DRAINAGE REPORT

SITE LOCATION

The existing site is an approximate 10-acre site located 6000 Gulton Court NE in Albuquerque. The site can be accessed by traveling west on Osuna Boulevard from I-25 to Gulton Court NE (see vicinity map this sheet).

EXISTING CONDITIONS

The existing site is estimated at 10 acres and is mostly developed with a building and asphalt paved parking lot. The site has bene divided into two drainage basins, A and B. Basin A discharges to an existing channel system located along the western boundary of the site. Basin B is located on the south side of the site and will drain to the new ponding area located along the western boundary of Basin B. The site currently slopes from the east to west at a mild to moderate slope. The site does not lie within a 100-year FEMA floodplain (see FEMA panel on this sheet). The Bear Arroyo borders the southern boundary of the site.

PROPOSED CONDITIONS

The proposed project will consist of gymnasium addition to the school on the east side of the existing building. The gym addition will be placed over an existing asphalt paved parking lot. Some development of the southern portion of the site will also take place within Basin B including two new concrete basketball courts and a turf play field. A new SD line and retention pond is proposed to collect runoff from Basin B. The retention pond will also hold the water quality volume calculated for this site.

Small water harvest features will be placed within the five small islands in the parking lot of Basin A to capture some runoff for storm water quality. However, the cumulative volume of these five water harvest features are not enough for the total required storm water quality volume so the owner will be requesting a payment in lieu of for the difference in volume that cannot be accommodated within Basin A. The drainage calculations for proposed conditions are indicated on this sheet.

CONCLUSIONS

When fully developed as indicated on the grading and drainage plan, the increased runoff from Basin A is zero. The increase in runoff from Basin B is estimated at 0.21 cfs and 0.051 acre-feet during the 100-year, 24-hour event. Storm water runoff from the site will discharge to a new 0.261 acre-foot retention pond located along the western boundary of Basin B. The storm water quality volume for Basin B is estimated at 533 cubic feet. The new retention pond is large enough to retain the storm water quality volume from Basin B.

The total storm water quality volume for Basin A is estimated at 1115 cubic feet. The total cumulative volume for the five water harvest features in Basin A is estimated at 450 cubic feet. The owner is requesting payment in lieu of for the storm water quality volume of 665 cubic feet that cannot be accommodated on the site.

WATER HARVEST AREA

BASIN A:

WATER HARVEST AREA = 450 CF

THE CUMULATIVE PONDING VOLUME FOR THE 5 WATER HARVEST AREAS IN BASIN A IS ESTIMATED AT 450 CF.

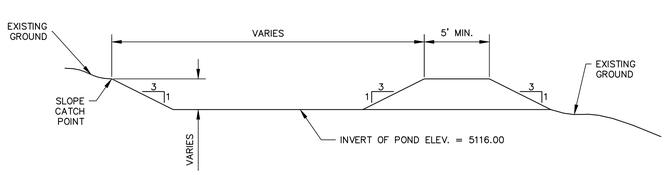
BASIN B:

WATER HARVEST AREA				
Pond Rating Table				
Side Slope				
Elev.	Area		Volume	Cum Volume
(ft)	(sq ft)	(ac)	(ac-ft)	(ac-ft)
16	620	0.014	0	0
17	1053	0.024	0.019	0.019
18	1581	0.036	0.030	0.049
19	2188	0.050	0.043	0.093
20	2886	0.066	0.058	0.151
21	1607	0.037	0.052	0.203

STORM WATER QUALITY CALCULATIONS

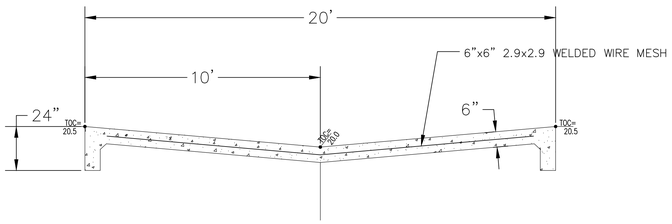
SWQV (BASIN A):
WATER QUALITY VOLUME= (0.26"/12 * 51,500 SF) = 1115 CF
PAYMENT IN LIEU (BASIN A)= 1115cf – 450cf. * $8/cf = $5,320.00

SWQV (BASIN B):
WATER QUALITY VOLUME= (0.26"/12 * 24,000 SF) = 533 CF



TYPICAL POND SECTION

NOT TO SCALE



CONCRETE SPILLWAY SECTION

NOT TO SCALE

DPM HYDROLOGY CALCULATIONS

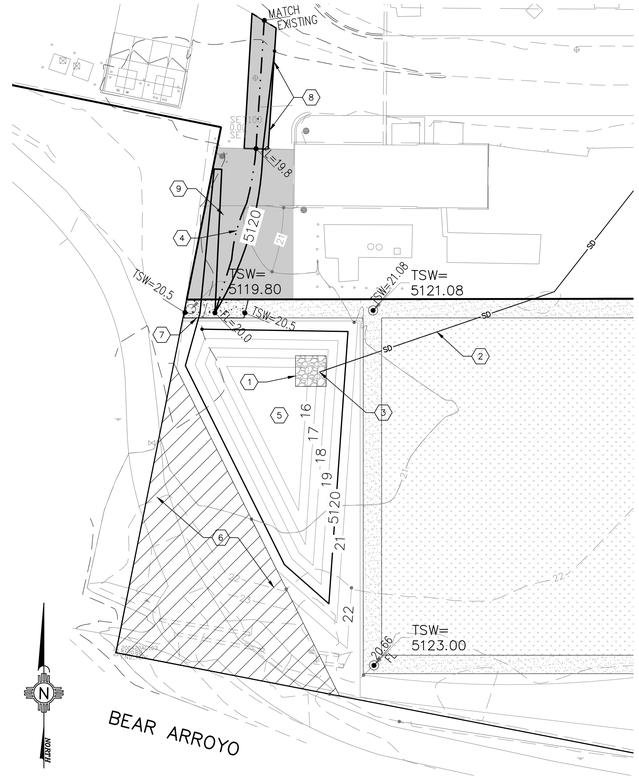
Precipitation Zone 2 - 100-year Storm P(360) = 2.35 in P(1440) = 2.75 in

Basin	Basin Area (Ac)	Land Treatment Factors A (Acres)	B (Acres)	C (Acres)	D (Acres)	Ew (in)	V(100-6) (af)	V(100-24) (af)	V(100-10D) (af)	Q(100) (cfs)
Existing Conditions										
A	6.950	0.000	0.000	1.350	5.600	1.93	1.116	1.303	1.863	30.559
B	3.050	0.000	0.000	2.270	0.780	1.38	0.352	0.378	0.456	10.794
Total	**10.000**									**41.353**
Proposed Conditions										
A	6.950	0.000	0.000	1.350	5.600	1.93	1.116	1.303	1.863	30.559
B	3.050	0.000	0.250	1.750	1.050	1.44	0.367	0.402	0.507	11.000
Total	**10.000**									**41.559**

GENERAL NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY SEDIMENT AND EROSION CONTROL DEVICES DURING THE CONSTRUCTION PHASE.
2. CONTRACTOR SHALL OBTAIN A GRADING PERMIT FROM THE CITY OF ALBUQUERQUE, PRIOR TO ANY GRADING OR CONSTRUCTION.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION CONTRACTOR MUST CONTACT LINE LOCATING SERVICE 260-1990 FOR LOCATION OF EXISTING UTILITIES.
4. 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.
5. THE CONTRACTOR SHALL FIELD VERIFY LOCATION AND SIZE OF ALL UTILITIES PRIOR TO CONSTRUCTION.
6. ALL WORK PERFORMED SHALL COMPLY WITH THE REQUIREMENTS OF THE CITY OF ALBUQUERQUE STORM DRAINAGE REGULATIONS. ALL WORK PERFORMED SHALL COMPLY WITH THE REQUIREMENTS OF THE CITY OF ALBUQUERQUE "GRADING AND DRAINAGE DESIGN REQUIREMENTS AND POLICIES FOR LAND DEVELOPMENT."
7. THE OWNER, CONTRACTOR AND/OR BUILDER SHALL COMPLY WITH ALL APPROPRIATE LOCAL, STATE AND FEDERAL REGULATIONS AND REQUIREMENTS.
10. THE CONTRACTOR SHALL TAKE ALL APPROPRIATE AND REASONABLE MEASURES TO PREVENT SEDIMENT OR POLLUTANT LADEN STORM WATER FROM EXITING THE SITE DURING CONSTRUCTION. STORMWATER MAY BE DISCHARGED IN A MANNER, WHICH COMPLIES WITH THE APPROVED GRADING AND DRAINAGE PLAN.
11. THE CONTRACTOR SHALL TAKE ALL APPROPRIATE MEASURES TO PREVENT THE MOVEMENT OF CONSTRUCTION RELATED SEDIMENT, DUST, MUD, POLLUTANTS, DEBRIS, WASTE, ETC FROM THE SITE BY WIND, STORM FLOW OR ANY OTHER METHOD EXCLUDING THE INTENTIONAL, LEGAL TRANSPORTATION OF SAME IN A MANNER ACCEPTABLE BY THE CITY.
12. THE CONTRACTOR SHALL NOT DISTURB AREAS OUTSIDE THE AREAS SHOWN AS "SLOPE LIMITS" ON THE GRADING AND DRAINAGE PLAN.
13. SEE ARCHITECTURAL DRAWINGS FOR SIDEWALK AND HANDICAPPED RAMPS, DETAILS AROUND THE BUILDING.
14. THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER FOR CLARIFICATION IF THERE ARE ANY SPOT ELEVATIONS ON THE GRADING AND DRAINAGE PLAN WHICH APPEAR TO BE AMBIGUOUS OR DO NOT MEET THE INTENT OF THE GRADING AND DRAINAGE PLAN.
15. THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER FOR CLARIFICATION IF THERE ARE SIDEWALKS OR CONCRETE FLATWORK WHICH DOES NOT MEET ADA ACCESSIBILITY REQUIREMENTS. ALL SIDEWALKS SHALL HAVE A MAXIMUM CROSS SLOPE OF 2.0%, ALL SIDEWALKS SHALL HAVE A MAXIMUM LONGITUDINAL SLOPE OF 5.0%, AND ALL RAMPS SHALL HAVE A MAXIMUM LONGITUDINAL SLOPE OF 15:1.
16. ALL SIDEWALKS AND CONCRETE FLATWORK SHALL HAVE A MINIMUM OF 0.5% SLOPE. CONTRACTOR SHALL CONTACT PROJECT ENGINEER IF THERE ARE SIDEWALKS OR CONCRETE FLATWORK WHICH DO NOT MEET THIS REQUIREMENT.
17. THE CONTRACTOR SHALL SUBMIT MATERIAL SUBMITTALS, CUT SHEETS AND SHOP DRAWINGS FOR ALL CIVIL RELATED ITEMS FOR REVIEW PRIOR TO CONSTRUCTION.
18. ALL EXISTING MANHOLES, VALVES AND METERS SHALL BE ADJUSTED TO NEW FINISH GRADE.

City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
APPROVED
DATE: 12/13/22
BY: Rene C. Horvath
HydroTrans # E17D012
THE APPROVAL OF THESE PLANS/REPORT SHALL NOT BE CONSTRUED TO BE A VIOLATION OF ANY PROVISION, ORDINANCE OR STATE LAW, AND SHALL NOT PREVENT THE CITY OF ALBUQUERQUE FROM INSISTING UPON STRICT COMPLIANCE WITH ALL ORDINANCES AND LAWS. SPECIAL NOTES OR CONDITIONS APPEARING ON THESE PLANS SHALL NOT BE CONSTRUED AS MODIFYING ANY FAILED WITHOUT AUTHORIZATION.



ENLARGED POND GRADING PLAN

SCALE: 1" = 20'-0"

KEYED NOTES:

1. 12" LOOSE RIP-RAP. SEE DETAIL SHEET C1/C-505.
2. 24" HDPE STORM DRAIN LINE INSTALLED PER DETAIL D3/C-505.
3. HDPE END SECTION INSTALLED PER DETAIL D5/C-503.
4. POND OVERFLOW SWALE. GRADE TO DRAIN NORTH.
5. NEW WATER HARVEST POND. SEE DETAIL THIS SHEET.
6. EXISTING AMAFCA EASEMENT.
7. NEW 20'x6' WIDE CONCRETE OVERFLOW SPILLWAY FROM POND. SEE DETAIL ON THIS SHEET.
8. SAW CUT TO A CLEAN STRAIGHT LINE 8' WIDTH OF EXISTING HMA, REMOVE AND REPLACE HMA TO INCORPORATE NEW SWALE.
9. NEW ASPHALT PAVEMENT PER DETAIL E2/C-502.

THE HARTMAN • MAJEWSKI
DESIGN GROUP
Architects • Engineers • Interior Design
Planners • Urban Designers • LEED®
120 Vassar Dr SE Suite 100
Albuquerque New Mexico 87106
T 505 242 6880 • F 505 242 6881
CONSULTANT

STAMP

100% PERMIT SET

PROJECT NAME

EXPLORE ACADEMY
GYMNASIUM ADDITION

6600 GULTON COURT, NE.
ALBUQUERQUE, NEW MEXICO 87111

REVISIONS

No.	Description	Date
	ADDENDUM 001	01.04.2022

Drawn by	DLW
Checked by	VAM
Date	JULY 07, 2022
Project number	3055
CAD file name	

SHEET TITLE

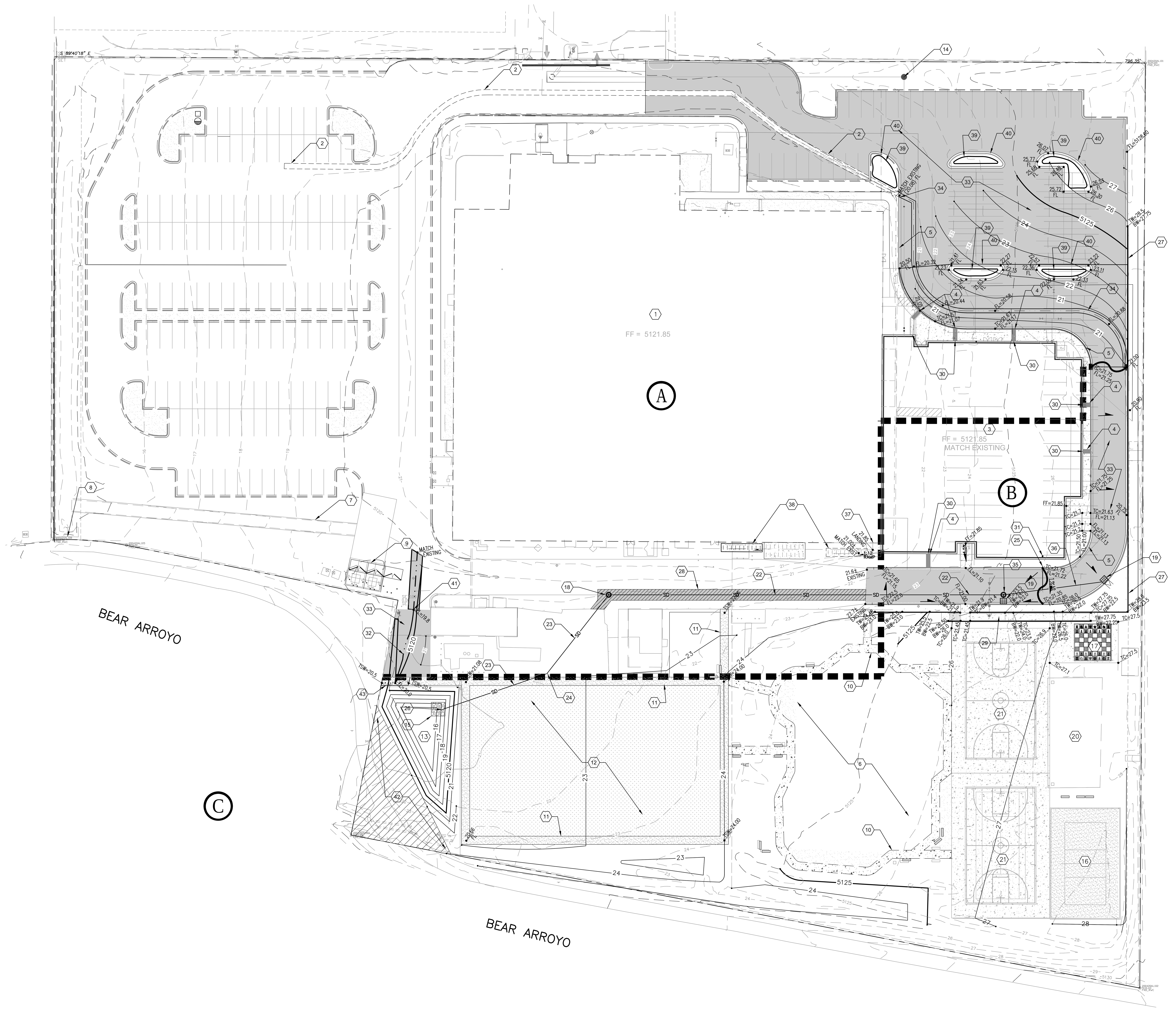
SITE
HYDROLOGY
PLAN

SHEET NUMBER

C-200

MILLER ENGINEERING CONSULTANTS
Engineers • Planners
3500 COMANCHE, NE
BUILDING F
ALBUQUERQUE, NM 87107
(505)888-7500
(505)888-3800 (FAX)

T:\Clients\DESIGN GROUP\EXPLORE ACADEMY ABQ\ACAD\SHEETS\C-200_HYDROLOGY_PLAN.dwg, Layout1, 12/13/2022 1:50:37 PM, jjacquez, DWG To PDF.pc3, 1:1



A1 OVERALL SITE GRADING PLAN

SCALE: 1" = 30'-0"

LEGEND:

38.00 FG	PROPOSED SPOT ELEVATIONS (FINISHED GRADE)
MATCH (95.19)	MATCH EXISTING ELEVATIONS
TCON	TOP OF CONCRETE
FL	FLOW LINE, CURB
INV	INVERT
FG	FINISH GRADE
TBC	TOP OF BASE COURSE
TC	TOP OF CURB
TG	TOP OF GRATE
TA	TOP OF ASPHALT
TW	TOP OF WALL
	FLOW ARROW
	GRADE BREAK–HIGH POINT
	SWALE
SD	STORM DRAIN LINE
5895	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
5895	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	BASIN BOUNDARY
B	BASIN DESIGNATION

KEYED NOTES:

1. EXISTING BUILDING TO REMAIN.
2. EXISTING 4' CONCRETE VALLEY GUTTER TO REMAIN.
3. PROPOSED GYM AND CLASSROOM ADDITION.
4. NEW 12" WIDE SIDEWALK CULVERT. SEE DETAIL SHEET C1/C-505.
5. NEW CURB AND GUTTER. SEE ARCHITECTURAL DETAILS.
6. EXISTING PLAYGROUND TO REMAIN.
7. EXISTING ASPHALT RUNDOWN TO REMAIN.
8. EXISTING 48" CMP TO BEAR ARROYO CHANNEL.
9. EXISTING TRASH DUMPSTER AND DRIVE PAD TO REMAIN.
10. EXISTING CONCRETE SIDEWALK TO REMAIN.
11. NEW 6' WIDE GRAVEL PATHWAY.
12. NEW GRASS PLAYGROUND AREA.
13. NEW WATER HARVEST POND. SEE DETAIL SHEET C2/C-505.
14. SANITARY SEWER MANHOLE PER DETAIL A1/C-505.
15. 12" LOOSE RIP-RAP. SEE DETAIL SHEET C1/C-505.
16. NEW VOLLEY BALL COURT.
17. NEW CHESS BOARD AREA.
18. 4' DIAMETER STORM DRAIN MANHOLE PER DETAIL A1/C-505. INV=17.43.
19. TYPE "D" (MEDIA TYPE) STORM DRAINAGE CATCH BASIN PER DETAIL A5/C-505.
20. EXISTING OVERHEAD CANOPY TO REMAIN.
21. NEW CONCRETE BASKETBALL COURT.
22. 18" HDPE STORM DRAIN LINE INSTALLED PER DETAIL D3/C-505.
23. 24" HDPE STORM DRAIN LINE INSTALLED PER DETAIL D3/C-505.
24. 24"x45° HDPE STORM DRAIN BEND.
25. CONNECT NEW 6" HDPE STORM DRAIN LINE TO BUILDING ROOF DRAIN.
26. HDPE END SECTION INSTALLED PER DETAIL D5/C-503.
27. NEW RETAINING WALL. SEE STRUCTURAL DETAILS.
28. SAWCUT TO A CLEAN STRAIGHT EDGE, REMOVE AND REPLACE EXISTING ASPHALT IN THIS AREA. MATCH EXISTING ELEVATIONS.
29. NEW ACCESS ROUTE TO PLAYGROUND AREA. SEE ARCHITECTURAL PLANS FOR DETAILS.
30. DOWNSPOUT LOCATIONS. SEE ARCHITECTURAL SHEET A-106.
31. ROOF DRAIN LOCATION. SEE ARCHITECTURAL SHEET A-106.
32. POND OVERFLOW SWALE LOCATION. GRADE TO DRAIN NORTH.
33. NEW ASPHALT PAVEMENT PER DETAIL E2/C-502.
34. NEW 3' WIDE CONCRETE VALLEY GUTTER. S=0.35%. SEE DETAIL SHEET E1/C-505.
35. NEW 4' DIAMETER STORM DRAIN MANHOLE PER DETAIL A1/C-501R. INV (E)=18.30, INV (W)=18.25, INV (S)=18.30.
36. 12" HDPE STORM DRAIN LINE INSTALLED PER DETAIL D3/C-505.
37. 6'x10' EMERGENCY EXIT CONCRETE LANDING AT DOOR WITH A 5' WIDE CONCRETE RAMP @ 1:12 MAX. SLOPE TO WEST. MATCH EXISTING ELEVATIONS.
38. MOVE EXISTING BICYCLE RACK TO NEW LOCATION TO MAKE ROOM FOR NEW RAMP. SEE ARCHITECTURAL FOR DETAILS.
39. NEW SWQ POND (5 TYPICAL) WITH 6" INCHES OF DEPTH.
40. PLACE 6" CURB CUTS AT 5' ON CENTER ON UP STREAM SIDE SO RUNOFF CAN ENTER WATER HARVEST AREAS.
41. SAW CUT TO A CLEAN STRAIGHT LINE 8' WIDTH OF EXISTING HMA AND REMOVE TO INCORPORATE SWALE.
42. EXISTING AMAFCA EASEMENT.
43. NEW 20'x6' WIDE CONCRETE OVERFLOW SPILLWAY FROM POND. SEE DETAIL ON SHEET C-200.

NOTE:
CONTRACTOR SHALL REFERENCE DRAWINGS CG-001, C-001, AA-SP, C-101, C-102, C-201, C-301, C-501, C-502, C-503 AND C-504 FROM 100% PERMIT SET STAMPED BY DAVID AUBE DATED 12-17-2021.

City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
APPROVED
DATE: 12/13/22
BY: Renée C. Brissette
HydroTrans # E17D012

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 DIMENSIONS IN PLANS, SPECIFICATIONS OR CONSTRUCTIONS. SUCH APPROVED PLANS SHALL NOT BE CHANGED, MODIFIED OR ALTERED WITHOUT AUTHORIZATION.

N
NORTH

30 15 0 30 45 60
SCALE: 1"=30'
CONTOUR INTERVAL = 1'

MILLER ENGINEERING CONSULTANTS
Engineers • Planners
3500 COMANCHE, NE
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ALBUQUERQUE, NM 87107
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(505)888-3800 (FAX)

THE HARTMAN + MAJEWSKI
DESIGN GROUP
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120 Vassar Dr SE Suite 100
Albuquerque New Mexico 87106
T 505 242 6880 • F 505 242 6881

CONSULTANT

STAMP

VERLYN A. MILLER II
NEW MEXICO
14507
12/12/22
REGISTERED PROFESSIONAL ENGINEER

100% PERMIT SET

PROJECT NAME

EXPLORE ACADEMY
GYMNASIUM ADDITION

6600 GULTON COURT, NE.
ALBUQUERQUE, NEW MEXICO 87111

REVISIONS

No.	Description	Date
1	ADDENDUM 001	01.04.2022

Drawn by	DLW
Checked by	VAM
Date	JULY 07, 2022
Project number	3055
CAD file name	

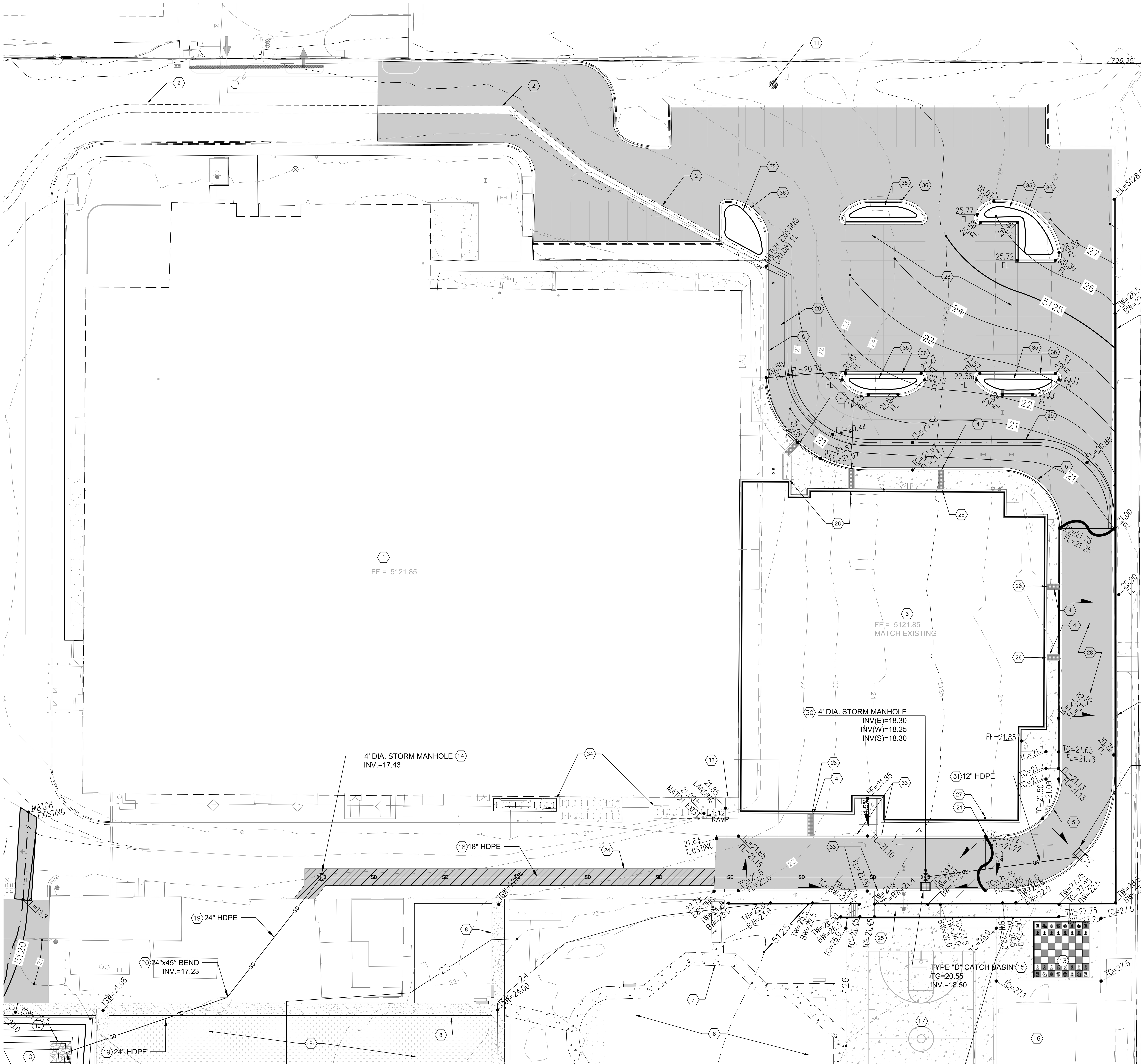
SHEET TITLE

OVERALL SITE
GRADING
PLAN

SHEET NUMBER

C-20□R

T:\Clients\DESIGN GROUP\EXPLORE ACADEMY ABQ\ACAD\SHEETS\C-201_C-202_G&D_PLAN_090722.dwg, C-201R-OVERALL-GRADE, 12/13/2022 1:49:37 PM, jjacquez, DWG To PDF.pc3, 1:1



A1 ENLARGED SITE GRADING PLAN

SCALE: 1" = 20'-0"

LEGEND:

38.00 FG	PROPOSED SPOT ELEVATIONS (FINISHED GRADE)
MATCH (95.19)	MATCH EXISTING ELEVATIONS
TCON	TOP OF CONCRETE
FL	FLOW LINE, CURB
INV	INVERT
FG	FINISH GRADE
TBC	TOP OF BASE COURSE
TC	TOP OF CURB
TG	TOP OF GRATE
TA	TOP OF ASPHALT
TW	TOP OF WALL
	FLOW ARROW
	GRADE BREAK–HIGH POINT
	SWALE
SD	STORM DRAIN LINE
5895	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
5895	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR

City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
APPROVED
DATE: 12/13/22
BY: Renée C. Brissette
HydroTrans # E17D012

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 DIMENSIONS IN PLANS, SPECIFICATIONS, OR CONSTRUCTIONS. SUCH APPROVED PLANS SHALL NOT BE CHANGED, MODIFIED OR ALTERED WITHOUT AUTHORIZATION.

KEYED NOTES:

1. EXISTING BUILDING TO REMAIN.
2. EXISTING 4' CONCRETE VALLEY GUTTER TO REMAIN.
3. PROPOSED GYM AND CLASSROOM ADDITION.
4. NEW 12" WIDE SIDEWALK CULVERT. SEE DETAIL SHEET C1/C-505.
5. NEW CURB AND GUTTER. SEE ARCHITECTURAL DETAILS.
6. EXISTING PLAYGROUND TO REMAIN.
7. EXISTING CONCRETE SIDEWALK TO REMAIN.
8. NEW 6' WIDE GRAVEL PATHWAY.
9. NEW GRASS PLAYGROUND AREA.
10. NEW WATER HARVEST POND. SEE DETAIL SHEET C2/C-505.
11. SANITARY SEWER MANHOLE PER DETAIL A1/C-505.
12. 12" LOOSE RIP-RAP. SEE DETAIL SHEET C1/C-505.
13. NEW CHESS BOARD AREA.
14. NEW 4' DIAMETER STORM DRAIN MANHOLE PER DETAIL A1/C-505.
15. TYPE "D" (MEDIA TYPE) STORM DRAINAGE CATCH BASIN PER DETAIL A5/C-505.
16. EXISTING OVERHEAD CANOPY TO REMAIN.
17. NEW CONCRETE BASKETBALL COURT.
18. 18" HDPE STORM DRAIN LINE INSTALLED PER DETAIL D3/C-505.
19. 24" HDPE STORM DRAIN LINE INSTALLED PER DETAIL D3/C-505.
20. 24"x45° HDPE STORM DRAIN BEND.
21. CONNECT NEW 6" HDPE STORM DRAIN LINE TO BUILDING ROOF DRAIN.
22. HDPE END SECTION INSTALLED PER DETAIL D5/C-503.
23. NEW RETAINING WALL. SEE STRUCTURAL DETAILS.
24. SAWCUT TO A CLEAN STRAIGHT EDGE, REMOVE AND REPLACE EXISTING ASPHALT IN THIS AREA. MATCH EXISTING ELEVATIONS.
25. NEW ACCESS ROUTE TO PLAYGROUND AREA. SEE ARCHITECTURAL PLANS FOR DETAILS.
26. DOWNSPOUT LOCATIONS. SEE ARCHITECTURAL SHEET A-106.
27. ROOF DRAIN LOCATION. SEE ARCHITECTURAL SHEET A-106.
28. ASPHALT PAVEMENT PER DETAIL E2/C-502.
29. NEW 3' WIDE CONCRETE VALLEY GUTTER. S=0.35%. SEE DETAIL SHEET E1/C-505.
30. NEW 4' DIAMETER STORM DRAIN MANHOLE PER DETAIL A1/C-505.
31. 12" HDPE STORM DRAIN LINE INSTALLED PER DETAIL D3/C-505.
32. 6'x10' EMERGENCY EXIT CONCRETE LANDING AT DOOR WITH A 5' WIDE CONCRETE RAMP @ 1:12 MAX. SLOPE TO WEST. MATCH EXISTING ELEVATIONS.
33. 3' TRANSITION CURB PER DETAIL A4/C-501.
34. MOVE EXISTING BICYCLE RACK TO NEW LOCATION TO MAKE ROOM FOR NEW RAMP. SEE ARCHITECTURAL FOR DETAILS.
35. NEW SWQ POND (5 TYPICAL) WITH 6" OF DEPTH.
36. PLACE 6" CURB CUTS AT 5' ON CENTER ON UPSTREAM SIDE SO RUNOFF CAN ENTER WATER HARVEST AREAS.

NOTE:
CONTRACTOR SHALL REFERENCE DRAWINGS CG–001, C–001, AA–SP, C–101, C–102, C–201, C–301, C–501, C–502, C–503 AND C–504 FROM 100% PERMIT SET STAMPED BY DAVID AUBE DATED 12–17–2021.

NORTH

SCALE: 1"=20'
CONTOUR INTERVAL = 1'

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STAMP

VERLYN A. MILLER II
NEW MEXICO
14507
REGISTERED PROFESSIONAL ENGINEER
12/12/22

100% PERMIT SET

PROJECT NAME

EXPLORE ACADEMY
GYMNASIUM ADDITION

6600 GULTON COURT, NE.
ALBUQUERQUE, NEW MEXICO 87111

REVISIONS

No.	Description	Date
1	ADDENDUM 001	01.04.2022

Drawn by	DLW
Checked by	VAM
Date	JULY 07, 2022
Project number	3055
CAD file name	

SHEET TITLE

ENLARGED SITE
GRADING PLAN

SHEET NUMBER

C-202