CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director

Mayor Timothy M. Keller

October 13, 2022

Amit Pathak, P.E.
Bohannan Huston, Inc.
7500 Jefferson St NE
Albuquerque, NM 87109

RE: Monte Vista Elementary School
Grading and Drainage Plans
Engineer's Stamp Date: 10/12/22
Hydrology File: K16D017

Dear Mr. Pathak:

Based upon the information provided in your submittal received 10/12/2022, the Grading & Drainage Plans are 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.

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov

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 Drainage Covenant with Exhibit A for the stormwater quality pond per Article 6-15(C) of the DPM prior to Permanent Release of Occupancy. Please submit the original copies along with the **$ 25.00** recording fee check made payable to Bernalillo County to Carrie Compton (cacompton@cabq.gov) on the 4th floor of Plaza de Sol.

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 (Dough 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

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City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: Monte Vista Elementary School Building Permit #: _____ Hydrology File #: K16D017

DRB#: N/A EPC#: N/A Work Order#: _____

Legal Description: 014MONTS VISTA ADD

City Address: 3211 MONTE VISTA DR NE ALBUQUERQUE NM 87106

Applicant: BOHANNAN HUSTON INC Contact: Amit Pathak

Address: 7500 JEFFERSON ST NE COURTYARD I ALBUQUERQUE NM 87109

Phone#: 823-1000 Fax#: _____ E-mail: apathak@bhinc.com

Other Contact: _____ Contact: _____

Address: _____

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

TYPE OF DEVELOPMENT: _____ PLAT (# of lots) _____ RESIDENCE _____ DRB SITE X ADMIN SITE

IS THIS A RESUBMITTAL? X Yes _____ No

DEPARTMENT _____ TRANSPORTATION X HYDROLOGY/DRAINAGE

Check all that Apply:

TYPE OF SUBMITTAL:

____ ENGINEER/ARCHITECT CERTIFICATION
____ PAD CERTIFICATION
____ CONCEPTUAL G & D PLAN
X GRADING PLAN
X DRAINAGE REPORT
____ DRAINAGE MASTER PLAN
____ FLOODPLAIN DEVELOPMENT PERMIT APPLIC
____ ELEVATION CERTIFICATE
____ CLOMR/LOMR
____ TRAFFIC CIRCULATION LAYOUT (TCL)
____ TRAFFIC IMPACT STUDY (TIS)
____ STREET LIGHT LAYOUT
____ 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

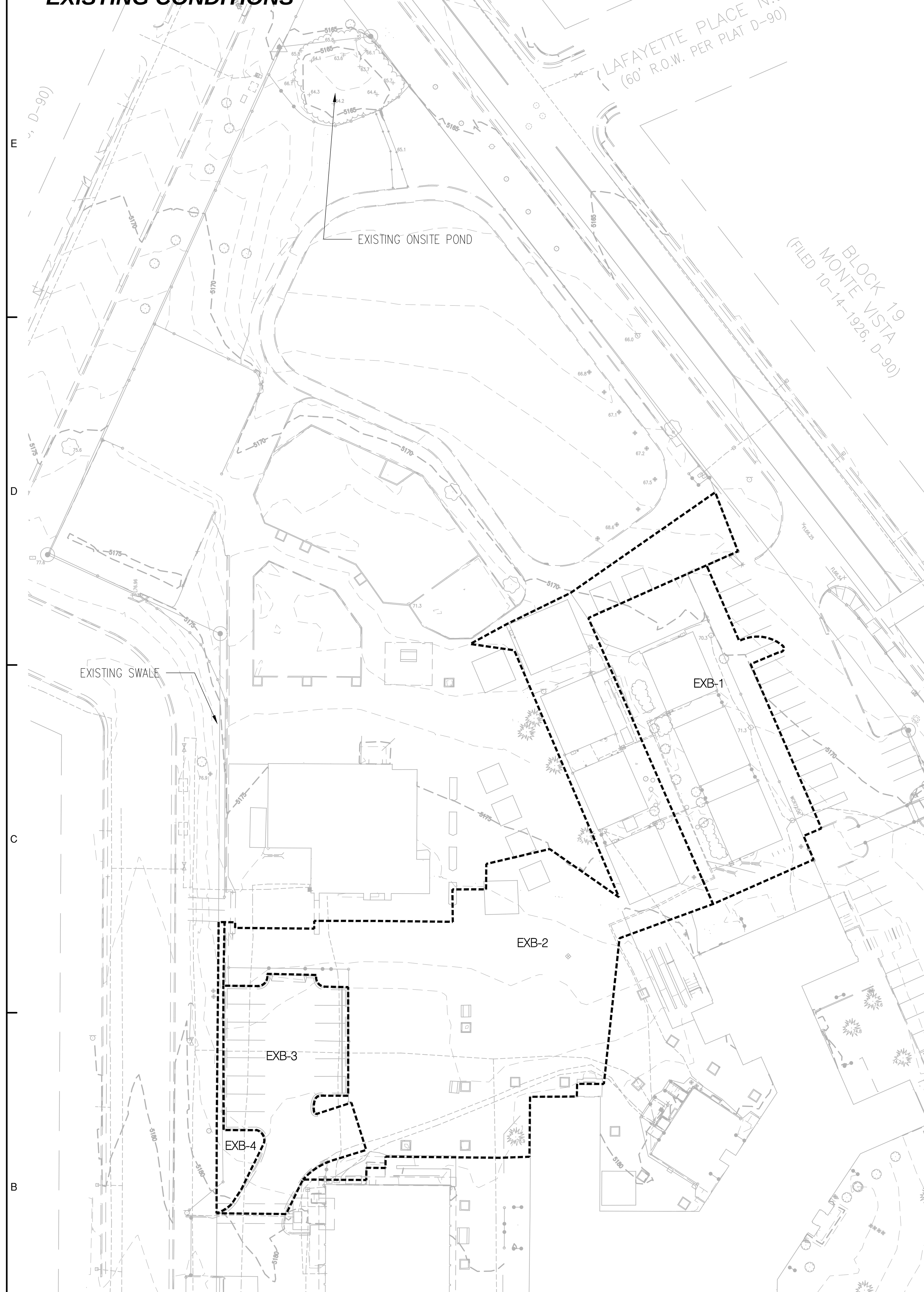
____ SIA/ RELEASE OF FINANCIAL GUARANTEE
____ FOUNDATION PERMIT APPROVAL
X GRADING PERMIT APPROVAL
____ SO-19 APPROVAL
____ PAVING PERMIT APPROVAL
____ GRADING/ PAD CERTIFICATION
____ WORK ORDER APPROVAL
____ CLOMR/LOMR
____ FLOODPLAIN DEVELOPMENT PERMIT
____ OTHER (SPECIFY) _____

DATE SUBMITTED: 10-12-2022 By: Amit Pathak

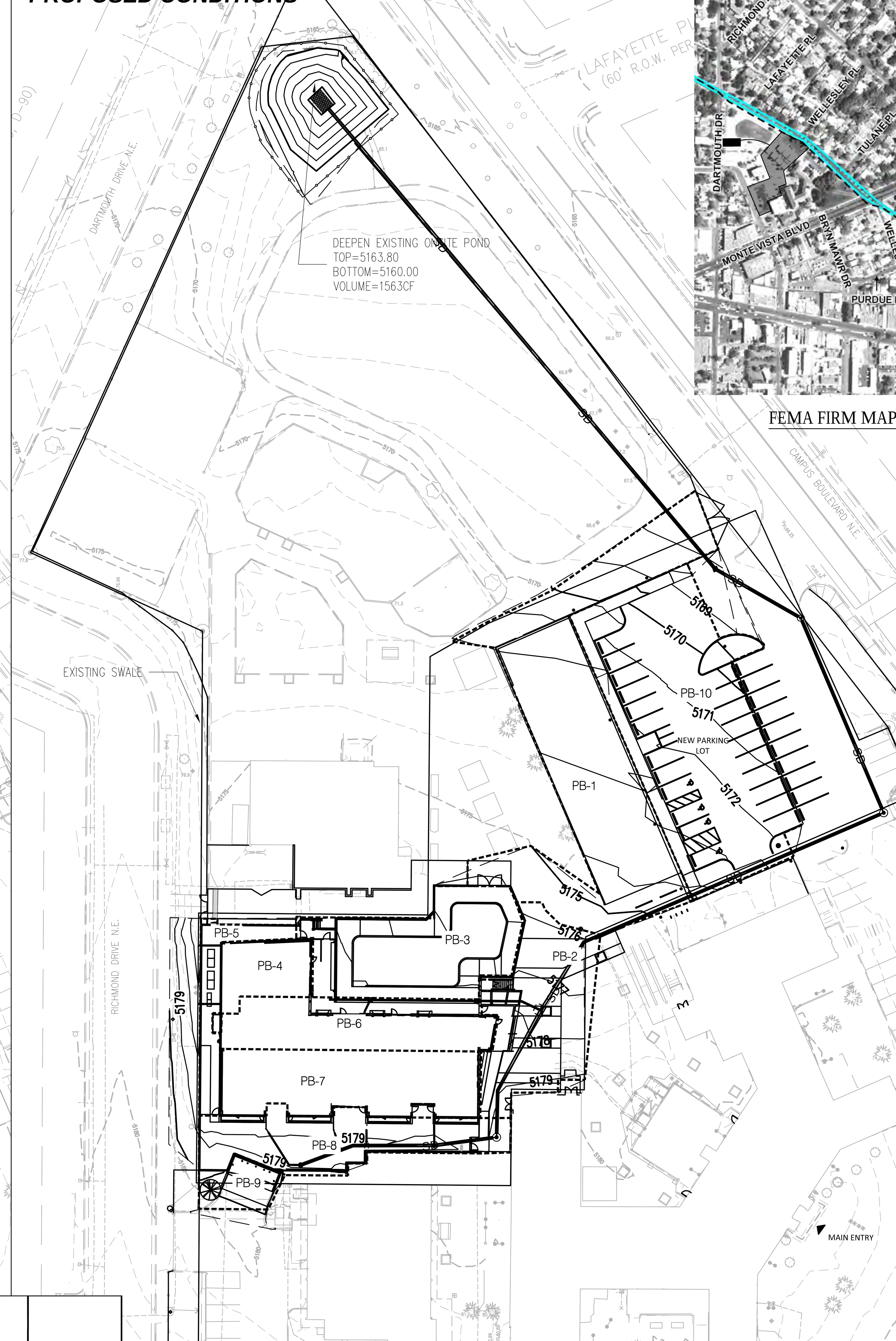
COA STAFF: ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____

EXISTING CONDITIONS



PROPOSED CONDITIONS



FEMA FIRM MAP # 35001C0353H

20180367 APS - MVES Basin Data Table This table is based on page 6-10 of the DPM, Zone: 2												
Basin ID	**Area (SQ. FT)**	**Area (AC.)**	**Land Treatment Percentages**				**Q(100yr) (cfs/ac.)**	**Q(100yr) (CFS)**	**V(100yr) (inches)**	**$V_{(100yr-6hr)}$ (CF)**	**$V_{(100yr-10d)}$ (CF)**	**SW Quality (CF)**
			A	**B**	**C**	**D**						
EXISTING												
EXB-1	10424	0.24	0.0%	0.0%	10.0%	90.0%	4.21	1.01	2.20	1911	2951	
EXB-2	28120	0.65	0.0%	0.0%	5.0%	95.0%	4.28	2.76	2.27	5308	8268	
EXB-3	6259	0.14	0.0%	0.0%	0.0%	100.0%	4.34	0.62	2.33	1215	1909	
EXB-4	1008	0.02	0.0%	80.0%	20.0%	0.0%	2.50	0.06	0.85	71	71	
TOTAL	**45811**	**1.05**	-	-	-	-	-	**4.45**	-	**8505**	**13199**	-
PROPOSED												
PB-1	10846	0.25	0.0%	0.0%	40.0%	60.0%	3.82	0.95	1.81	1636	2357	141
PB-2	4470	0.10	0.0%	0.0%	0.0%	100.0%	4.34	0.45	2.33	868	1363	97
PB-3	4784	0.11	0.0%	0.0%	90.0%	10.0%	3.18	0.35	1.16	462	515	10
PB-4	1420	0.03	0.0%	0.0%	0.0%	100.0%	4.34	0.14	2.33	276	433	31
PB-5	1280	0.03	0.0%	0.0%	40.0%	60.0%	3.82	0.11	1.81	193	278	17
PB-6	3609	0.08	0.0%	0.0%	0.0%	100.0%	4.34	0.36	2.33	701	1101	78
PB-7	4342	0.10	0.0%	0.0%	0.0%	100.0%	4.34	0.43	2.33	843	1324	94
PB-8	3747	0.09	0.0%	0.0%	10.0%	90.0%	4.21	0.36	2.20	687	1061	73
PB-9	888	0.02	0.0%	0.0%	0.0%	100.0%	4.34	0.09	2.33	172	271	19
PB-10	10424	0.24	0.0%	0.0%	5.0%	95.0%	4.28	1.02	2.27	1968	3065	215
TOTAL	**45810**	**1.05**	-	-	-	-	-	**4.27**	-	**7806**	**11769**	**775**

BASIN	V REQUIRED (CF)	V PROVIDED (CF)
PB (1-10)	775	-
EXG STORAGE	600	-
POND TOTAL	1375	1563

City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
APPROVED
DATE: 10/13/22
BY: Renée C. Brissette
HydroTrans # K16D017

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.

LEGEND

- PROPERTY LINE
- LIMITS OF GRADING
- 5025 — EXISTING INDEX CONTOUR
- 5024 — EXISTING INTERMEDIATE CONTOUR
- 5025 — PROPOSED INDEX CONTOUR
- 5024 — PROPOSED INTERMEDIATE CONTOUR
- DRAINAGE BASIN

DRAINAGE NARRATIVE

INTRODUCTION AND METHODOLOGY:

THE PURPOSE OF THIS SUBMITTAL IS TO PRESENT A DRAINAGE AND GRADING PLAN FOR THE MONTE VISTA ELEMENTARY SCHOOL (MVES) BUILDING ADDITION AND PARKING LOT RENOVATION. THIS PROJECT WILL CONSIST OF THE REMOVAL AND REPLACEMENT OF EXISTING WEST PARKING LOT AND COURTYARD. IN ADDITION, THE EXISTING PORTABLE PORTABLE BUILDINGS WILL BE REMOVED AND THE NORTH PARKING LOT WILL BE EXPANDED. THE SCHOOL IS LOCATED ON THE NORTHWEST CORNER OF MONTE VISTA BLVD AND CAMPUS BLVD NE. PER FEMA COMMUNITY MAP PANEL #35001C0353H, THE SITE IS NOT LOCATED WITHIN A FLOODPLAIN. CAMPUS DRIVE NW IS IDENTIFIED AS BEING IN ZONE AO WITH A DEPTH OF 1-FT. THE SITE IS IN RAINFALL ZONE 2. THE LIMITS OF CONSTRUCTION ARE 1.05 ACRES.

THE HYDROLOGIC ANALYSIS PROVIDED WITH THIS DRAINAGE SUBMITTAL HAS BEEN PREPARED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE DEVELOPMENT PROCESS MANUAL, CHAPTER 6 (DRAINAGE, FLOOD CONTROL, AND EROSION CONTROL). LAND TREATMENT PERCENTAGES WERE CALCULATED BASED ON THE EXISTING AND PROPOSED CONDITIONS IN EACH ONSITE BASIN AND ARE SUMMARIZED IN THE "APS-MVES BASIN DATA TABLE" (THIS SHEET). THIS SITE WAS ANALYZED FOR THE 100-YEAR, 6-HOUR AND THE 100-YEAR, 10-DAY STORM EVENTS. THE STORM DRAIN IS SIZED TO CONVEY THE 100-YR, 10-DAY STORM EVENT AND THE PROPOSED POND IS SIZED TO RETAIN THE FIRST FLUSH VOLUME.

EXISTING CONDITIONS:

THE SITE IS CURRENTLY DEVELOPED AND ALMOST ENTIRELY IMPERVIOUS. THE SITE CONTAINS PORTABLE BUILDINGS, A COURTYARD, SMALL LANDSCAPED ISLANDS, AND PARKING AREAS. THE SITE GENERALLY SLOPES FROM SOUTHEAST TO NORTHWEST. THERE IS NO EXISTING ONSITE STORM DRAINAGE INFRASTRUCTURE. EXISTING STORM RUNOFF SHEET FLOWS TO A SHALLOW STORM WATER QUALITY POND LOCATED AT THE NORTHWEST BOUNDARY OF THE MVES PROPERTY. THE ONSITE GENERATED RUNOFF IS RELEASED TO EXISTING STORM DRAIN INFRASTRUCTURE WITHIN CAMPUS BLVD NE. THE EXISTING INFRASTRUCTURE IS PART OF A PREVIOUSLY APPROVED DRAINAGE MANAGEMENT PLAN.

THE EXISTING 1.05 ACRE SITE DISCHARGES APPROXIMATELY 4.45 CFS TO THE NORTH POND AND INTO THE EXISTING STORMWATER INFRASTRUCTURE OF COLLEGE BLVD.

PROPOSED:

THIS DRAINAGE MANAGEMENT PLAN IS PROVIDED FOR THE FULLY DEVELOPED SITE TO SAFELY MANAGE THE DESIGN STORM EVENTS USING ONSITE LID MEASURES. THE PROPOSED IMPROVEMENTS INCLUDE THE CONSTRUCTION OF A NEW BUILDING AND THE REPLACEMENT OF ASSOCIATED PARKING, PORTABLE BUILDINGS, AND COURTYARD AREAS. THESE IMPROVEMENTS WILL REQUIRE REFINEMENT OF EXISTING GRADES AND THE IMPLEMENTATION OF STORM DRAIN INFRASTRUCTURE. IN PROPOSED CONDITIONS, DEVELOPED PEAK FLOWS WILL DISCHARGE AT A RATE EQUAL TO THE EXISTING PEAK FLOWS FOR THE 100-YEAR, 6-HOUR STORM EVENT. THE PROPOSED SITE WILL MAINTAIN EXISTING DRAINAGE PATTERNS. THE SITE IS DIVIDED INTO 10 ONSITE BASINS, WHICH ARE MANAGED BY STORM DRAINS AND STORMWATER QUALITY POND. THE LAND TREATMENTS AND VOLUME CALCULATIONS FOR THE CONTRIBUTING BASINS ARE SHOWN IN TABLE FORMAT ON THIS SHEET.

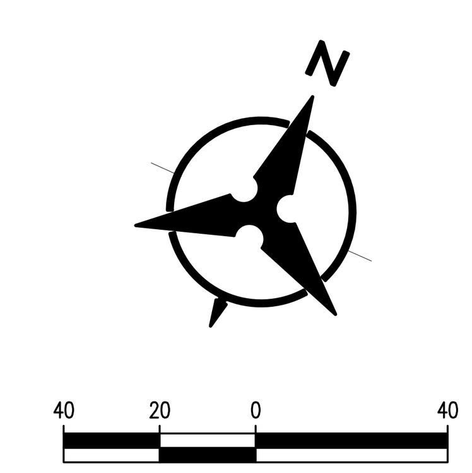
STORM DRAIN INFRASTRUCTURE WILL BE INSTALLED AROUND THE PROPOSED BUILDING AND WITHIN THE PARKING LOT TO CONVEY FLOWS TO THE POND. STORM RUNOFF FROM BASINS PB3, PB6-PB8, AND PB10 (WHICH INCLUDES THE COURTYARD, BUILDING ROOF DRAINS, NEW PARKING LOT, AND NEW PLAY AREAS) ARE COLLECTED BY A SERIES OF STORM DRAINS AND INLETS. STORM RUNOFF WITHIN BASINS PB-1 AND PB-2 SHEET FLOW NORTHEAST TO THE POND. BASINS PB4, PB5, AND PB9 ARE DIRECTED TO THE EXISTING ROADSIDE SWALE ALONG THE WEST PROPERTY EDGE BY RE-GRADING. THE RUNOFF FROM THE PROPOSED IMPROVEMENTS IS CONVEYED TO THE MODIFIED POND AT THE NORTH SITE BOUNDARY.

THE NORTH POND HAS BEEN DEEPENED AND EXPANDED TO AUGMENT THE DETENTION CAPACITY, ALLOWING THE FULL FIRST FLUSH VOLUME OF THE PROPOSED IMPROVEMENTS TO BE RETAINED ON SITE. AN EXISTING STORM DRAIN PIPE CONVEYS DISCHARGE FROM THE EXISTING POND TO OFFSITE STORM DRAIN INFRASTRUCTURE. THE PROPOSED IMPROVEMENTS TO THE NORTH POND ACCOMMODATE THIS EXISTING STORM DRAIN PIPE AND ALLOW FOR THE PIPE TO REMAIN IN PLACE, CONVEYING DISCHARGE AT HISTORIC RATES.

THE TOTAL STORM RUNOFF FROM THE SITE IS 4.27 CFS. THIS IS LESS THAN THE 4.45 CFS IN EXISTING CONDITIONS. THE PROPOSED SITE IS REQUIRED TO INCORPORATE 775 CF OF STORM WATER QUALITY PONDING ONSITE (0.26 INCHES OVER THE IMPERVIOUS AREA). STORM WATER QUALITY PONDING IS A BEST PRACTICE. THERE IS CURRENTLY 600 CF OF STORM WATER QUALITY VOLUME PROVIDED IN THE EXISTING POND. THE EXISTING ONSITE POND AT THE NORTHWEST CORNER OF THE PROPERTY IS EXPANDED TO PROVIDE STORAGE FOR THE ADDITIONAL 775 CF STORM WATER QUALITY VOLUME. REGRADING OF THE ONSITE POND PROVIDES A TOTAL STORAGE VOLUME OF 1563 CF. THIS IS GREATER THAN THE TOTAL REQUIRED STORAGE VOLUME OF 1375 CF.

CONCLUSION:

THE ONSITE STORM DRAIN NETWORK AND ASSOCIATED INLETS ARE SIZED TO FULLY ACCOMMODATE THE DESIGN STORM EVENT. THE DETENTION PONDS HAVE ADEQUATE CAPACITY TO FULLY RETAIN THE REQUIRED FIRST-FLUSH VOLUME. THIS DRAINAGE MANAGEMENT PLAN DEMONSTRATES THAT THE PROPOSED DEVELOPMENT IS IN CONFORMANCE WITH CITY OF ALBUQUERQUE HYDROLOGY REQUIREMENTS. THIS DRAINAGE MANAGEMENT PLAN IS BEING SUBMITTED IN SUPPORT OF HYDROLOGY APPROVAL.



DESIGN PLUS LLC
2415 PRINCETON DR. NE, SUITE G-2
ALBUQUERQUE, NM 87107
505 . 843 . 7587
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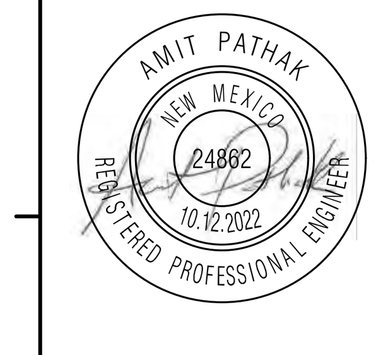


ALBUQUERQUE PUBLIC SCHOOLS
MONTE VISTA ELEMENTARY SCHOOL
CLASSROOM ADDITION
3211 MONTE VISTA BLVD NE
ALBUQUERQUE, NEW MEXICO 87106

DATE: MARCH 2018

REVISIONS

PROJECT NO:

CAD DWG FILE:

DRAWN BY: LS

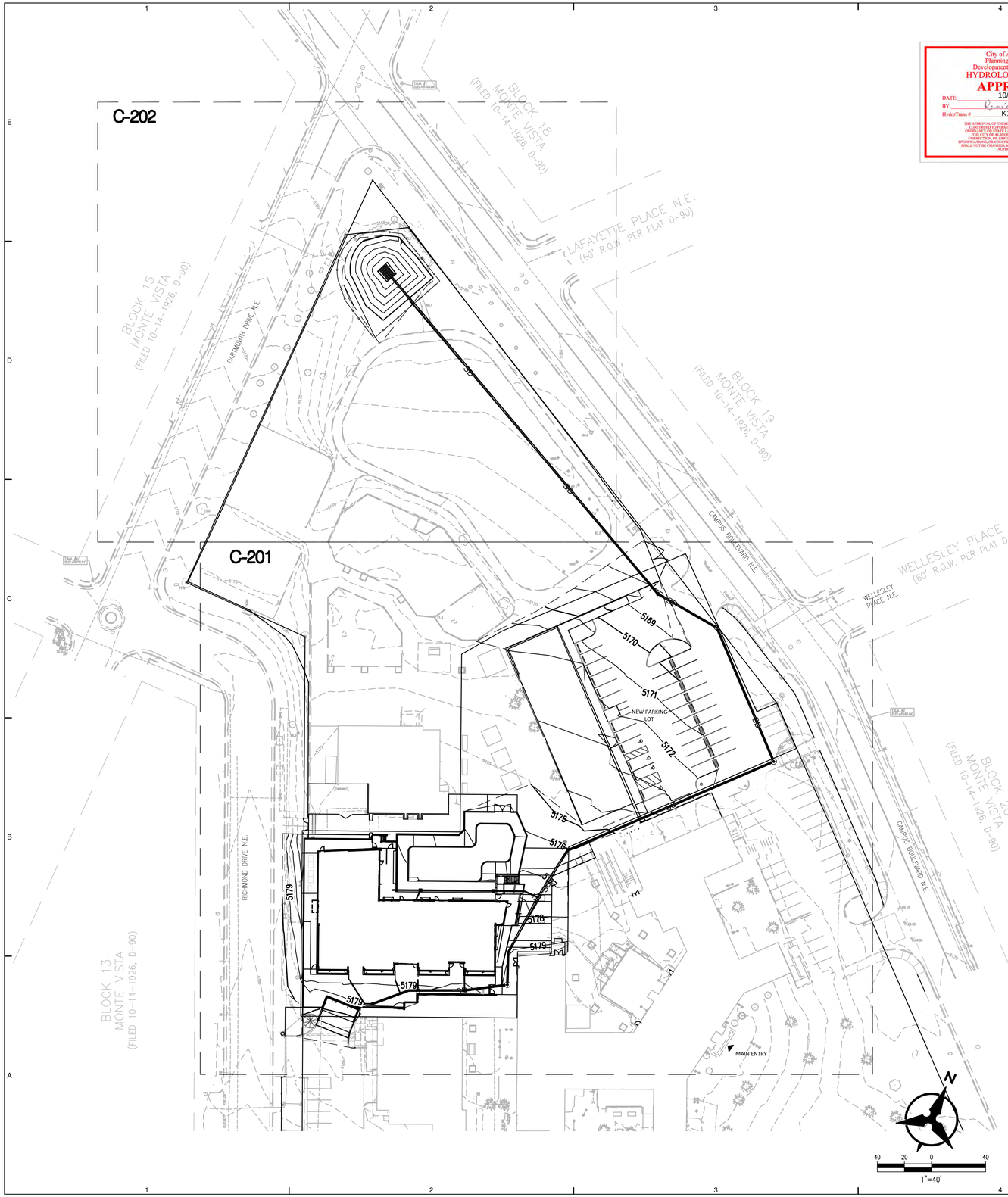
CHECKED BY:

SHEET TITLE

DRAINAGE MANAGEMENT PLAN

DMP-00

SHEET ___ OF ___



City of Albuquerque
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GRADING SHEET NOTES

A. ALL WORK DETAILED ON THESE PLANS AND PERFORMED UNDER THIS CONTRACT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND THE PROJECT GEOTECHNICAL REPORT. WHERE APPLICABLE, NMAPWA PUBLIC WORKS STANDARDS SHALL APPLY.

B. THE CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS, INCLUDING EPA REQUIREMENTS WITH RESPECT TO STORM WATER DISCHARGE.

C. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL OBSTRUCTIONS INCLUDING ALL UNDERGROUND UTILITIES. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION OBSERVER OR ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.

D. CONTRACTOR SHALL COORDINATE WITH THE ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY (ABCWUA) FIVE (5) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING PUBLIC WATER OR SEWER UTILITIES. EXISTING VALVES TO BE OPERATED BY CITY PERSONNEL ONLY. CONTRACTOR SHALL CONTACT THE WATER SYSTEMS DIVISION THREE (3) WORKING DAYS PRIOR TO NEEDING VALVES TURNED ON OR OFF. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.

E. ALL ELECTRICAL, TELEPHONE, CABLE TV, GAS AND OTHER UTILITY LINES, CABLES, AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION, SHALL BE COORDINATED WITH THAT UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY ADJUSTMENTS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCES CAUSED BY UTILITY COMPANY WORK CREWS. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE HIS ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK.

F. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AND APPROVED BY THE CONSTRUCTION OBSERVER.

G. CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROPERTY AND/OR PROJECT LIMITS. ANY DAMAGE TO ADJACENT PROPERTIES RESULTING FROM THE CONSTRUCTION PROCESS SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.

H. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY.

I. THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS FOR THE PROJECT PRIOR TO COMMENCING CONSTRUCTION (I.E., BARRICADING, TOPSOIL DISTURBANCE, EXCAVATION PERMITS, DRIVEWAY PERMITS, ETC.).

J. ALL PROPERTY CORNERS DESTROYED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. ALL PROPERTY CORNERS MUST BE RESET BY A REGISTERED LAND SURVEYOR.

K. THE PROJECT MUST CONFORM WITH THE EROSION AND SEDIMENT REQUIREMENTS OF THE 2003 EPA CONSTRUCTION GENERAL PERMIT OR LOCAL STANDARDS & CODES WHICHEVER IS MORE STRINGENT.

L. CONTRACTOR SHALL RECORD DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF "AS CONSTRUCTED" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.

M. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.

N. EXCEPT AS PROVIDED HEREIN, GRADING SHALL BE PERFORMED AT THE ELEVATIONS AND IN ACCORDANCE WITH THE DETAILS SHOWN ON THIS PLAN.

O. THE COST FOR REQUIRED CONSTRUCTION DUST AND EROSION CONTROL MEASURES SHALL BE INCIDENTAL TO THE PROJECT COST. THE CONTRACTOR IS TO ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO ADJACENT PROPERTY OR PUBLIC RIGHT-OF-WAY.

P. ALL WORK RELATIVE TO FOUNDATION CONSTRUCTION, SITE PREPARATION, AND PAVEMENT INSTALLATION, AS SHOWN ON THIS PLAN, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "GEOTECHNICAL INVESTIGATION," AS PROVIDED BY THE ARCHITECT OR OWNER. ALL OTHER WORK SHALL, UNLESS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT, (FIRST PRIORITY) SPECIFICATIONS, AND/OR THE BERNALILLO COUNTY STANDARD SPECIFICATIONS FOR PUBLIC WORKS.

Q. EARTH SLOPES SHALL NOT EXCEED 5 HORIZONTAL TO 1 VERTICAL PER THE GEOTECHNICAL REPORT UNLESS SHOWN OTHERWISE.

R. A DISPOSAL SITE FOR ANY & ALL EXCESS EXCAVATION MATERIAL, AND UNSUITABLE MATERIAL AND/OR A BORROW SITE CONTAINING ACCEPTABLE FILL MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE OBSERVER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL OR BORROW SITE AND HAUL TO OR FROM SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.

S. PAVING AND ROADWAY GRADES SHALL BE +/- 0.1' FROM PLAN ELEVATIONS. PAD ELEVATION SHALL BE +/- 0.05' FROM BUILDING PLAN ELEVATION.

T. ALL PROPOSED CONTOURS REFLECT TOP OF PAVEMENT ELEVATIONS IN THE PARKING AREA AND MUST BE ADJUSTED FOR MEDIANS AND ISLANDS.

U. VERIFY ALL ELEVATIONS SHOWN ON PLAN FROM BASIS OF ELEVATION CONTROL STATION PRIOR TO BEGINNING CONSTRUCTION.

V. SIDEWALK CROSS-SLOPES SHALL BE AT A MINIMUM OF 1.0% AND A MAXIMUM OF 2.0%

W. HDPE PIPE AND FITTINGS SHALL BE INSTALLED AND BACKFILLED PER MANUFACTURER SPECIFICATIONS. CONNECTIONS TO CONCRETE MANHOLES AND CONCRETE DROP INLETS SHALL USE WATER STOP GASKETS AND SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS

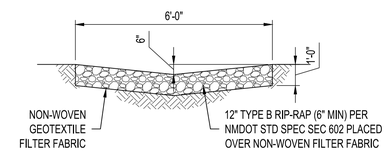
X. ENDS OF ALL STORM DRAIN PIPES, CULVERTS, & CMP END SECTIONS (LARGER THAN 12") SHALL BE COVERED WITH STEEL BARS (TO KEEP CHILDREN OUT) APPROXIMATELY 12" SQUARE. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL. HYDRAULIC INTEGRITY SHALL NOT BE COMPROMISED. BARS TO BE PAINTED TO MATCH BUILDING.

Y. THE CONTRACTOR SHALL PREPARE A CONSTRUCTION TRAFFIC CONTROL AND SIGNING PLAN AND OBTAIN APPROVAL OF SUCH PLAN FROM THE BERNALILLO COUNTY TRAFFIC ENGINEERING DEPARTMENT PRIOR TO BEGINNING ANY CONSTRUCTION WORK ON OR ADJACENT TO EXISTING STREETS.

Z. ALL BARRICADES AND CONSTRUCTION SIGNING SHALL CONFORM TO APPLICABLE SECTIONS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), US DEPARTMENT OF TRANSPORTATION, LATEST EDITION.

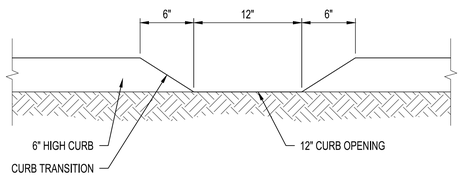
AA. THE CONTRACTOR SHALL MAINTAIN ALL CONSTRUCTION BARRICADES AND SIGNING AT ALL TIMES. THE CONTRACTOR SHALL VERIFY THE PROPER LOCATION OF ALL BARRICADING AT THE END AND BEGINNING OF EACH DAY.

AB. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.



A RIP-RAP SWALE

NTS



B CURB CUT

NTS

LEGEND

- PROPERTY LINE
- LIMITS OF GRADING
- 5025 — EXISTING INDEX CONTOUR
- 5024 — EXISTING INTERMEDIATE CONTOUR
- 5025.25 — EXISTING GROUND SPOT ELEVATION
- 5025 — PROPOSED INDEX CONTOUR
- 5024 — PROPOSED INTERMEDIATE CONTOUR
- 26.75 — PROPOSED FINISHED GRADE SPOT ELEVATION TC=TOP OF CURB, FL=FLOW LINE, TS=TOP OF SIDEWALK TG=TOP OF GRATE, FGH=FINISH GRADE HIGH, FGL=FINISH GRADE LOW
- PROPOSED CURB & GUTTER
- PROPOSED RETAINING WALL
- S=2.0% — DIRECTION OF FLOW
- WATER BLOCK/GRADE BREAK
- PROPOSED STORM DRAIN LINE
- PROPOSED STORM DRAIN MANHOLE
- PROPOSED STORM DRAIN INLETS

DESIGN PLUS LLC
2415 PRINCETON DR. NE, SUITE G-2
ALBUQUERQUE, NM 87107
505. 843. 7587
www.designplusabq.com

AMIT PATHAK
NEW MEXICO
24862
REGISTERED PROFESSIONAL ENGINEER
10.12.2022

ALBUQUERQUE PUBLIC SCHOOLS
MONTE VISTA ELEMENTARY SCHOOL
CLASSROOM ADDITION
3211 MONTE VISTA BLVD NE
ALBUQUERQUE, NEW MEXICO 87106

DATE: MARCH 2018
REVISIONS
PROJECT NO:
CAD DWG FILE:
DRAWN BY: LS
CHECKED BY:
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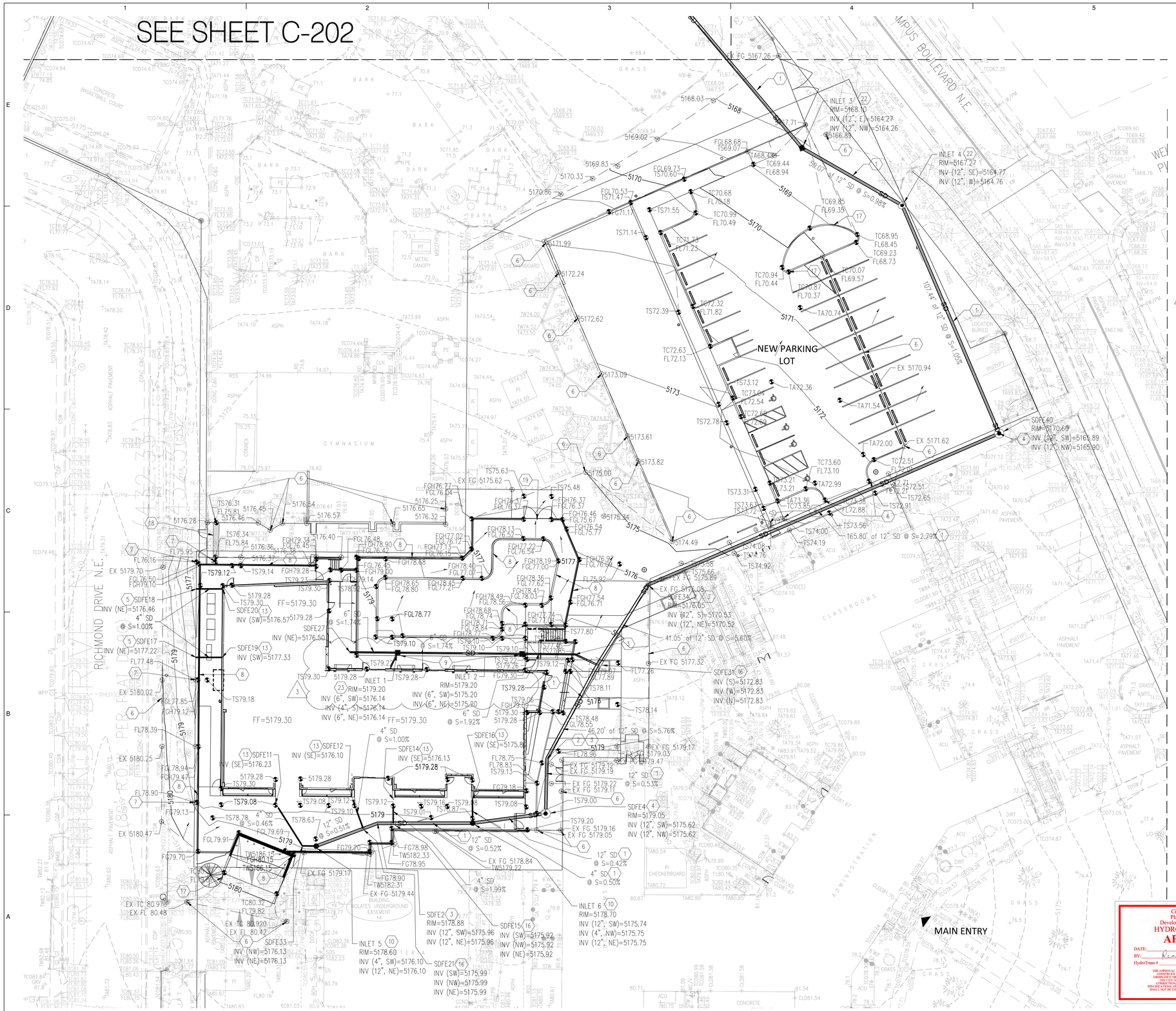
SHEET TITLE
OVERALL GRADING PLAN

C-200
SHEET ____ OF ____

SEE SHEET C-202



GRADING KEYNOTES*

1. INSTALL HDPE (N12 WT, OR APPROVED EQUAL) STORM DRAIN PIPE, SIZE PER PLANS.
2. INSTALL 11.25° PRE-FABRICATED STORM DRAIN FITTING.
3. INSTALL 22.5° PRE-FABRICATED STORM DRAIN FITTING.
4. INSTALL 4' TYPE C MANHOLE PER COA STD DWG 2201.
5. ROOF DRAIN TO DISCHARGE AT WALL. REFER TO ARCHITECTURAL AND STRUCTURAL PLANS FOR MORE INFORMATION.
6. MATCH EXISTING ELEVATION.
7. INSTALL RIP RAP SWALE PER DETAIL "A" SHEET C200.
8. SITE RETAINING WALL; SEE STRUCTURAL PLANS FOR DETAILS.
9. INSTALL 12" H20 TRAFFIC RATED DRAIN INLET.
10. INSTALL 12" NYOPLAST DOME DRAIN INLET.
11. NOT USED.
12. INSTALL STORM DRAIN END SECTION (SIZE PER PLAN).
13. INSTALL STORM DRAIN TO WITHIN 5' OF BUILDING. SEE PLUMBING PLANS FOR CONTINUATION.
14. EXISTING CONCRETE PIPE END SECTION TO REMAIN.
15. SIDE SLOPES SHALL BE STABILIZED WITH NATIVE GRASS SEED (PER COA SPEC SECTION 1012) WITH AGGREGATE MULCH OR EQUAL (MUST SATISFY THE "FINAL STABILIZATION CRITERIA" CGP 2.2.14.B).
16. INSTALL PRE-FABRICATED TEE STORM DRAIN FITTING, SIZE PER PLANS.
17. INSTALL CURB CUT PER DETAIL "B" SHEET C200.
18. REUSE EXISTING SIDEWALK CULVERT.
19. INSTALL NEW MAINTENANCE ACCESS GATE. SEE ARCHITECTURAL PLANS FOR DETAILS.
20. NOT USED.
21. NOT USED.
22. INSTALL 2'x2' NYLOPLAST CURB INLET WITH STANDARD GRATE AND MID HOOD SETTING.
23. CONNECT ROOF DRAIN TO SURFACE INLET RISER.

* - NOT ALL KEYNOTED USED ON THIS SHEET

NOTE
REFER TO SHEET G-106 FOR BID DESCRIPTION AND CONSTRUCTION PHASING.

NOTE
HDPE PIPE AND FITTINGS SHALL BE INSTALLED AND BACKFILLED PER MANUFACTURER SPECIFICATIONS. CONNECTIONS TO CONCRETE MANHOLES AND CONCRETE DROP INLETS SHALL USE WATER STOP GASKETS AND SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS

NOTE
ENDS OF ALL STORM DRAIN PIPES, CULVERTS, & CMP END SECTIONS (LARGER THAN 12") SHALL BE COVERED WITH STEEL BARS (TO KEEP CHILDREN OUT) APPROXIMATELY 12" SQUARE. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL. HYDRAULIC INTEGRITY SHALL NOT BE COMPROMISED. BARS TO BE PAINTED TO MATCH BUILDING.

NOTE
SIDEWALK CROSS-SLOPES SHALL BE AT A MINIMUM OF 1.0% AND A MAXIMUM OF 2.0%

LEGEND

- PROPERTY LINE
- LIMITS OF GRADING
- 5025 — EXISTING INDEX CONTOUR
- 5024 — EXISTING INTERMEDIATE CONTOUR
- 5025.25 — EXISTING GROUND SPOT ELEVATION
- 5025 — PROPOSED INDEX CONTOUR
- 5024 — PROPOSED INTERMEDIATE CONTOUR
- 26.75 — PROPOSED FINISHED GRADE SPOT ELEVATION TC=TOP OF CURB, FL=FLOW LINE, TS=TOP OF SIDEWALK TG=TOP OF GRATE, FGH=FINISH GRADE HIGH, FGL=FINISH GRADE LOW
- PROPOSED CURB & GUTTER
- PROPOSED RETAINING WALL
- S=2.05% — DIRECTION OF FLOW
- WATER BLOCK/GRADE BREAK
- PROPOSED STORM DRAIN LINE
- PROPOSED STORM DRAIN MANHOLE
- PROPOSED STORM DRAIN INLETS

City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
APPROVED
DATE: 10/13/22
BY: Renée C. Brissette
HydroTrans # K16D017
THE APPROVAL OF THESE PLANS/REPORT SHALL NOT BE CONSTRUED TO BE A VIOLATION OF ANY PROVISION OF ORDINANCE OR STATE LAW. APPROVAL DOES NOT RELIEVE THE CITY OF ALBUQUERQUE FROM REQUIRING CORRECTION OF ERRORS IN THE CONSTRUCTION DRAWINGS. SPECIFICATIONS OR OTHER CONSTRUCTION PROVISIONS AND SHALL NOT BE CHANGED, MODIFIED OR ALTERED WITHOUT AUTHORIZATION.

20 10 0 20
SCALE: 1"=20'

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AMIT PATHAK NEW MEXICO 24967 10.12.2022 REGISTERED PROFESSIONAL ENGINEER

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DATE: MARCH 2018	
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1	ADDENDUM 3
PROJECT NO:	
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SHEET TITLE	
GRADING PLAN SOUTH	

C-201
SHEET ____ OF ____

Wed, 12-Oct-2022 - 9:28:am, Plotted by: PSISNEROS
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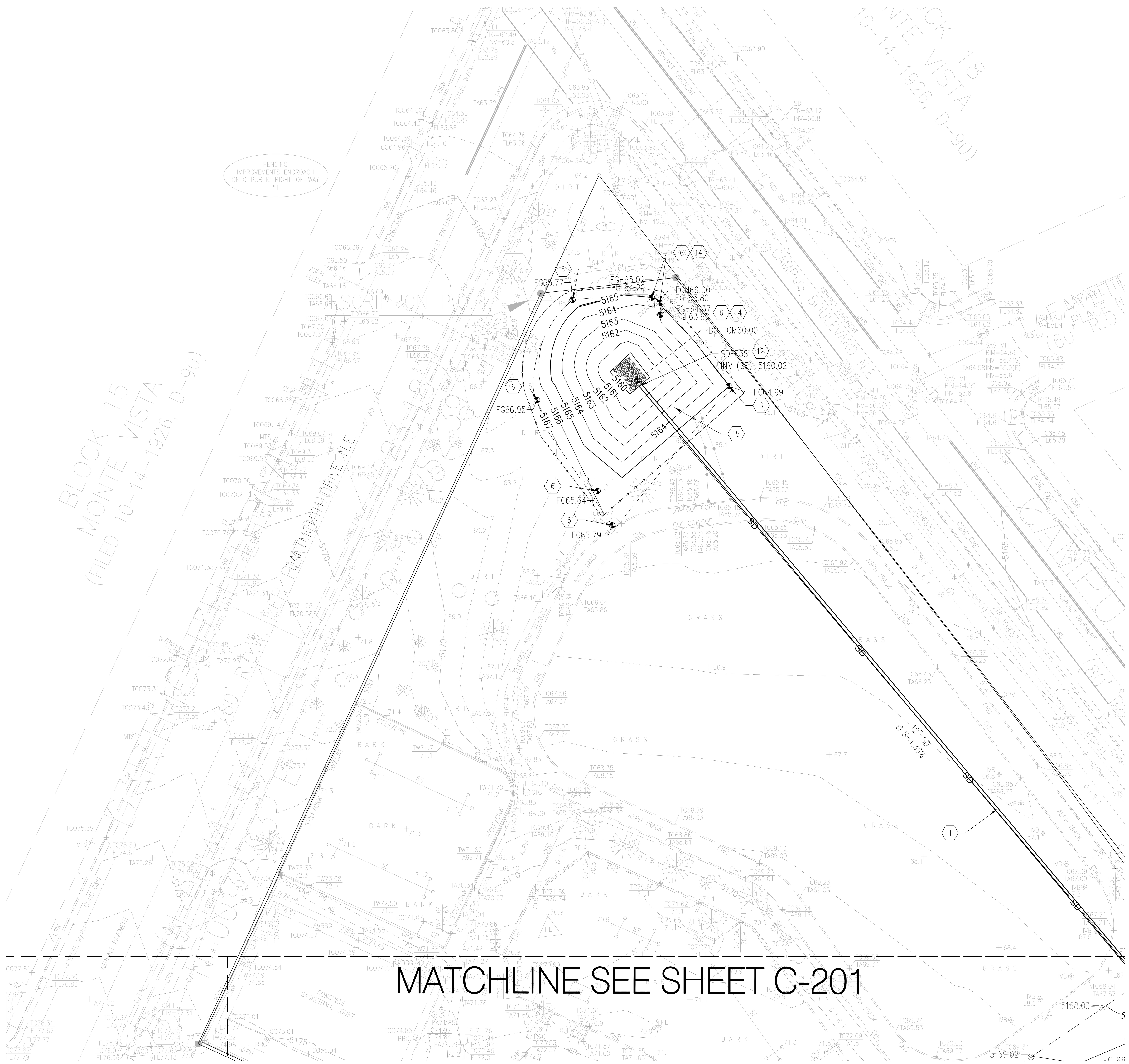

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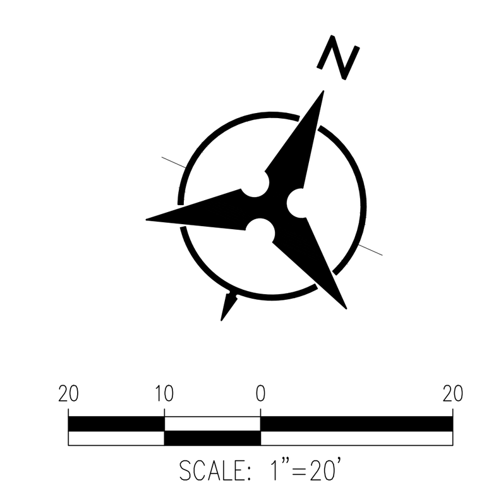

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CHECKED BY:

SHEET TITLE

GRADING PLAN NORTH

C-202

SHEET ___ OF ___

MATCH LINE

MATCH LINE

LAFAYETTE PL.
(60' R.O.W.)

CAMPUS BOULEVARD N.E.

WELLESLEY PLACE N.E.

WELLESLEY
(60' R.O.W.

NEW PARKING LOT

RICHMOND DRIVE N.E.

BLOCK 13
MONTE VISTA
(FILED 10-14-1926, D-90)

MAIN ENTRY

MONTE VISTA BOULEVARD N.E.

City of Albuquerque
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20 10 0 20
SCALE: 1"=20'

PAVING KEYED NOTES

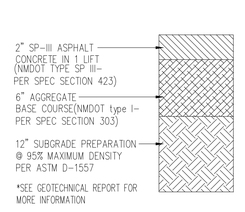
1. INSTALL 6" STANDARD CONCRETE CURB & GUTTER PER COA STD DWG 2415.
2. CONNECT 6" STANDARD CURB & GUTTER TO EXISTING CURB & GUTTER.
3. REMOVE AND REPLACE ASPHALT AND CONCRETE FOR UTILITY INSTALLATION PER COA STD DWG. 2465 AND 2430.
4. INSTALL TURNED DOWN SIDEWALK EDGE. SEE GRADING PLAN FOR ELEVATIONS. SEE ARCHITECTURAL PLANS FOR CONCRETE SIDEWALK INFORMATION.

NOTE: REFER TO SHEET G-106 FOR BID DESCRIPTION AND CONSTRUCTION PHASING.

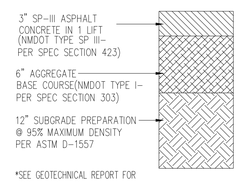
NOTE: SEE LANDSCAPE ARCHITECTURAL PLANS FOR SIDEWALK AND COURTYARD PAVING.

PAVING LEGEND

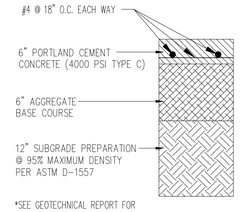
- 3 — REMOVE AND REPLACE SURFACE PAVING/ LANDSCAPE FOR UTILITY INSTALLATION.
- HEAVY DUTY ASPHALT PAVEMENT SECTION SEE DETAIL THIS SHEET
- LIGHT DUTY ASPHALT PAVEMENT SECTION SEE DETAIL THIS SHEET
- HEAVY DUTY CONCRETE PAVEMENT SECTION SEE DETAIL THIS SHEET
- SEE ARCHITECTURAL PLANS FOR CONCRETE SIDEWALK INFORMATION



LIGHT DUTY ASPHALT PAVEMENT SECTION
NOT TO SCALE



HEAVY DUTY ASPHALT PAVEMENT SECTION
NOT TO SCALE



HEAVY DUTY CONCRETE PAVEMENT SECTION
NOT TO SCALE

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PAVING PLAN

C-400

SHEET ____ OF ____