

CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



Mayor Timothy M. Keller

June 16, 2020

Verlyn Miller, P.E.
Miller Engineering Consultants, Inc.
206B Sanchez Rd. NW
Albuquerque, NM 87107

RE: **1105 Juan Tabo Blvd NE**
Grading Plan Stamp Date: 4/28/20
Hydrology File: J21D024

Dear Mr. Miller,

Based on the submittal received on 5/4/20 the above-referenced Grading Plan and Drainage Report is approved for Building Permit.

PO Box 1293

Prior to Certificate of Occupancy (For Information):

Albuquerque

1. Payment in Lieu (Amount = 358 CF x \$8/CF = \$2864, per sheet C-100 for Basin B) of onsite management of the SWQV must be made. Take three copies of the treasury deposit slip to the Treasury and then include one copy of the paid deposit slip when resubmitting.

NM 87103

2. 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.

www.cabq.gov

3. Engineer's Certification, per the DPM Chapter 22.7: *Engineer's Certification Checklist For Non-Subdivision* is required.

If you have any questions, please contact me at 924-3986 or earmijo@cabq.gov.

Sincerely,

Ernest Armijo, P.E.
Principal Engineer, Planning Dept.
Development Review Services



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 09/2015)

Project Title: _____ **Building Permit #:** _____ **City Drainage #:** _____
DRB#: _____ **EPC#:** _____ **Work Order#:** _____
Legal Description: _____
City Address: _____

Engineering Firm: _____ **Contact:** _____
Address: _____
Phone#: _____ **Fax#:** _____ **E-mail:** _____

Owner: _____ **Contact:** _____
Address: _____
Phone#: _____ **Fax#:** _____ **E-mail:** _____

Architect: _____ **Contact:** _____
Address: _____
Phone#: _____ **Fax#:** _____ **E-mail:** _____

Other Contact: _____ **Contact:** _____
Address: _____
Phone#: _____ **Fax#:** _____ **E-mail:** _____

Check all that Apply:

DEPARTMENT:

☐ HYDROLOGY/ DRAINAGE
☐ TRAFFIC/ TRANSPORTATION
☐ MS4/ EROSION & SEDIMENT CONTROL

TYPE OF SUBMITTAL:

☐ ENGINEER/ ARCHITECT CERTIFICATION

☐ CONCEPTUAL G & D PLAN
☐ GRADING PLAN
☐ DRAINAGE MASTER PLAN
☐ DRAINAGE REPORT
☐ CLOMR/LOMR

☐ TRAFFIC CIRCULATION LAYOUT (TCL)
☐ TRAFFIC IMPACT STUDY (TIS)
☐ EROSION & SEDIMENT CONTROL PLAN (ESC)

☐ OTHER (SPECIFY) _____

CHECK TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

☐ BUILDING PERMIT APPROVAL
☐ CERTIFICATE OF OCCUPANCY

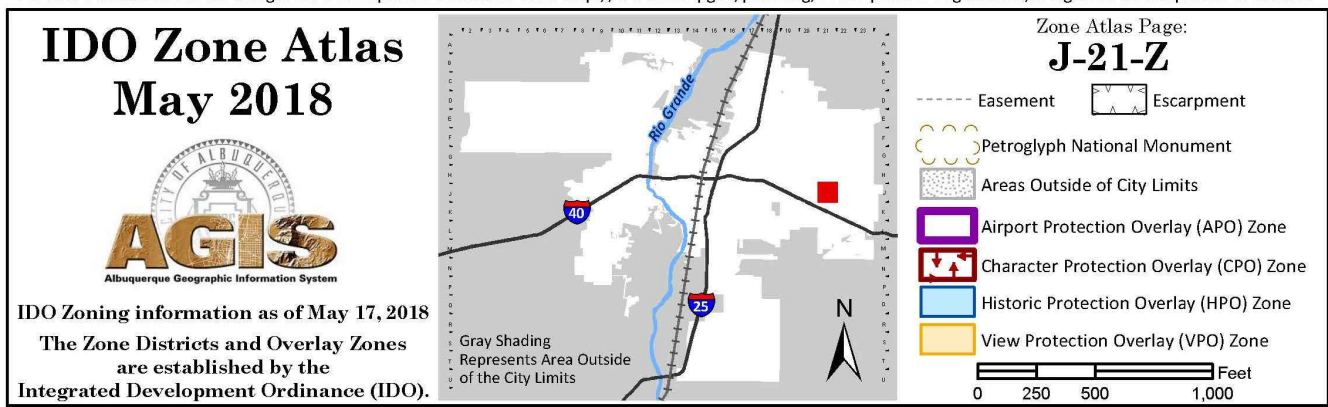
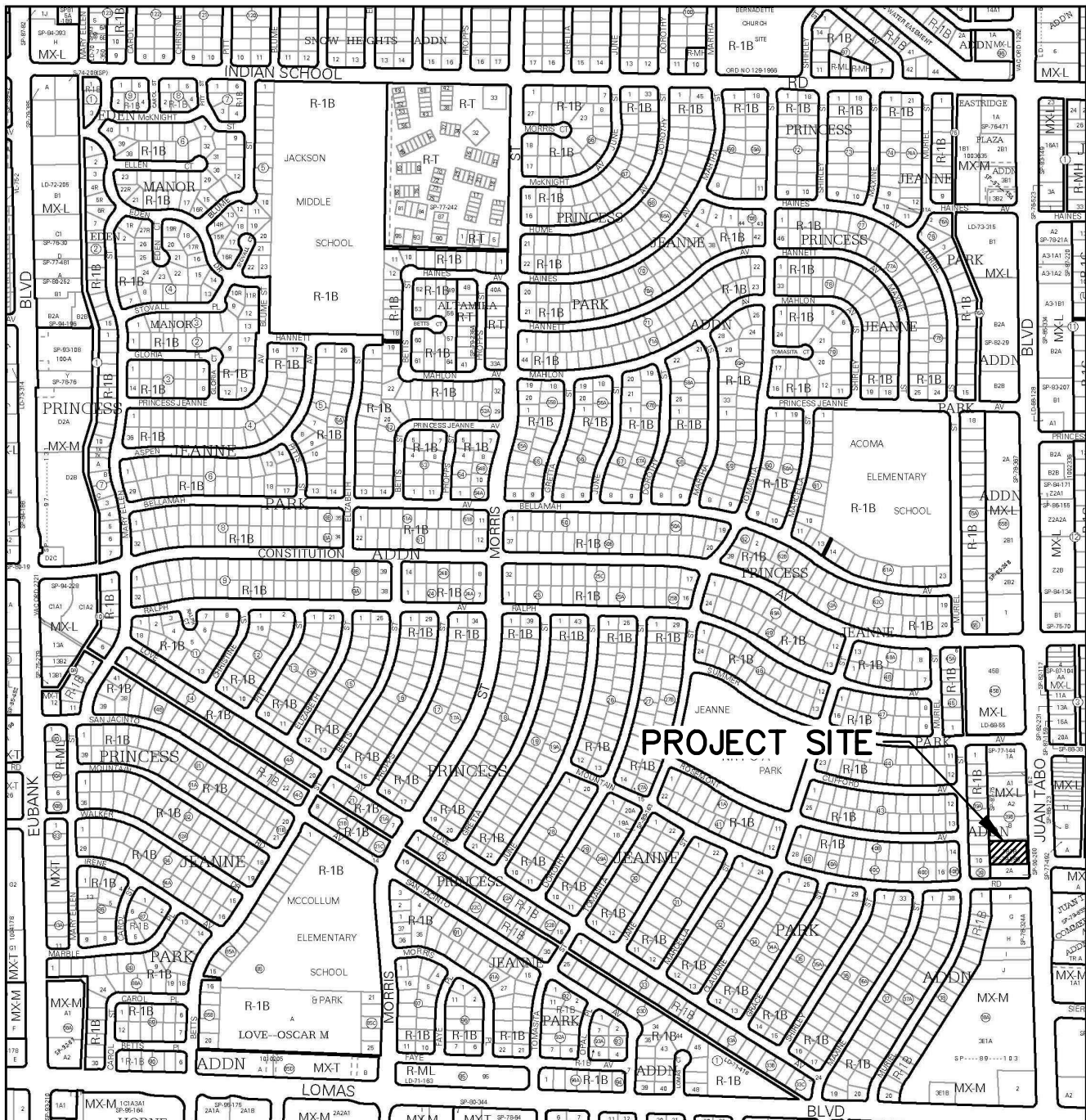
☐ PRELIMINARY PLAT APPROVAL
☐ SITE PLAN FOR SUB'D APPROVAL
☐ SITE PLAN FOR BLDG. PERMIT APPROVAL
☐ FINAL PLAT APPROVAL
☐ SIA/ RELEASE OF FINANCIAL GUARANTEE
☐ FOUNDATION PERMIT APPROVAL
☐ GRADING PERMIT APPROVAL
☐ SO-19 APPROVAL
☐ PAVING PERMIT APPROVAL
☐ GRADING/ PAD CERTIFICATION
☐ WORK ORDER APPROVAL
☐ CLOMR/LOMR

☐ PRE-DESIGN MEETING
☐ OTHER (SPECIFY) _____

IS THIS A RESUBMITTAL?: ☐ Yes ☐ No

DATE SUBMITTED: _____ **By:** _____

COA STAFF: _____ ELECTRONIC SUBMITTAL RECEIVED: _____



B1 VICINITY MAP

SCALE: NOT TO SCALE

National Flood Hazard Layer FIRMette



A1 FLOOD ZONE MAP

FLOOD ZONE MAP: 35001C0359G

SITE LOCATION

The proposed site is an approximate 0.6-acre site located on west side of Juan Tabo Boulevard north of Mountain Road. The site is bound on the north and south by commercial development, on the west by a residential neighborhood and on the east by Juan Tabo Boulevard (see vicinity map this sheet).

EXISTING CONDITIONS

The existing site is estimated at 0.6 acres and is currently developed with an existing commercial building and an associated asphalt paved parking area. The site currently has an estimate impervious area of 96%. The drainage computations are provided in the table below. The site does not lie within a 100-year FEMA floodplain and is not impacted by offsite flows.

PROPOSED CONDITIONS

The proposed project would consist of the demolition of the existing commercial building and the construction of a much smaller commercial building. Most of the existing asphalt-paved parking lot will be maintained and used as parking for the new building. The site under proposed conditions will have an impervious percentage of nearly 80%. The drainage calculations for proposed conditions are contained in the table provided below. Basin A will discharge to a first flush pond while Basin B will free discharge as it does under existing conditions. The owner will pay a fee in lieu of first flus ponding for Basin B.

CONCLUSIONS

When fully developed as indicated on the grading and drainage plan, the runoff from the site will decrease by an estimated 0.15 cfs for the 100-year event. Storm water from Basin A will be routed through a storm water harvesting pond to satisfy the City's first flush requirement of 235 cubic feet. Basin B consists of the existing parking lot and does not have the ability to drain into a first flush pond. Basin B has a first flush volume requirement of 358 cubic feet. The owner will pay a fee in lieu of first flush ponding for Basin B.

GENERAL NOTES:

- 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.
- 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)
- THE CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY SEDIMENT AND EROSION CONTROL DEVICES DURING THE CONSTRUCTION PHASE.
- CONTRACTOR SHALL OBTAIN A GRADING PERMIT FROM THE CITY OF ALBUQUERQUE, PRIOR TO ANY GRADING OR CONSTRUCTION.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION CONTRACTOR MUST CONTACT LINE LOCATING SERVICE 260-1990 FOR LOCATION OF EXISTING UTILITIES.
- 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.
- MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER(S) OF THE PROPERTY SERVED.
- THE CONTRACTOR SHALL FIELD VERIFY LOCATION AND SIZE OF ALL UTILITIES PRIOR TO CONSTRUCTION.
- 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.
- 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."
- THE OWNER, CONTRACTOR AND/OR BUILDER SHALL COMPLY WITH ALL APPROPRIATE LOCAL, STATE AND FEDERAL REGULATIONS AND REQUIREMENTS.
- 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.
- 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.
- THE CONTRACTOR SHALL NOT DISTURB AREAS OUTSIDE THE AREAS SHOWN AS "SLOPE LIMITS" ON THE GRADING AND DRAINAGE PLAN.
- SEE ARCHITECTURAL DRAWINGS FOR SIDEWALK AND HANDICAPPED RAMPS, DETAILS AROUND THE BUILDING.
- 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.
- 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.
- 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.
- THE CONTRACTOR SHALL SUBMIT MATERIAL SUBMITTALS, CUT SHEETS AND SHOP DRAWINGS FOR ALL CIVIL RELATED ITEMS FOR REVIEW PRIOR TO CONSTRUCTION.
- THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS (UPDATE 8, AMENDMENT 1)
- ALL EXISTING MANHOLES, VALVES AND METERS SHALL BE ADJUSTED TO NEW FINISH GRADE.

FIRST FLUSH CALCULATIONS

FIRST FLUSH=

BASIN A: (8,276 SF * 0.34")/12 = 235 CF

BASIN B: (12,632 SF * 0.34")/12 = 358 CF

HYDROLOGY

Percipitation Zone 4 - 100-year Storm P(360) = 2.92 in P(1440) = 3.65 in

Basin	Basin Area (Ac)	Land Treatment Factors				Ew (in)	V(100-6) (af)	V(100-24) (af)	Q(100) (cfs)
		A	B	C	D				
Existing Conditions									
Site	0.60	0.00	0.00	0.02	0.58	2.60	0.130	0.166	3.12
Total	0.60								3.12
Proposed Conditions									
A	0.23	0.00	0.00	0.04	0.19	2.43	0.047	0.059	1.15
B	0.37	0.00	0.00	0.08	0.29	2.38	0.074	0.092	1.82
Total	0.60								2.97

WATER HARVEST EAST AREA

Pond Rating Table				
Side Slope 3:1				
Depth (ft)	Area (sq ft)	(ac)	Volume (ac-ft)	Cum Volume (ac-ft)
85	510	0.012	0.000	0.000
85.75	600	0.014	0.010	0.010

MILLER ENGINEERING CONSULTANTS
Engineers • Planners

DESIGNED
RFH

DRAWN
RFH

CHECKED
VAM

JOB #
E-20-014

FILE #
C-100 HYDRO.

DATE
03/18/2020

BERNILLO COUNTY
NEW MEXICO

1105 JUAN TABO BLVD. NE
ALBUQUERQUE, NEW MEXICO

BERNILLO COUNTY
HYDROLOGY PLAN

ENGINEER'S STAMP

DATE

MARK

C-100

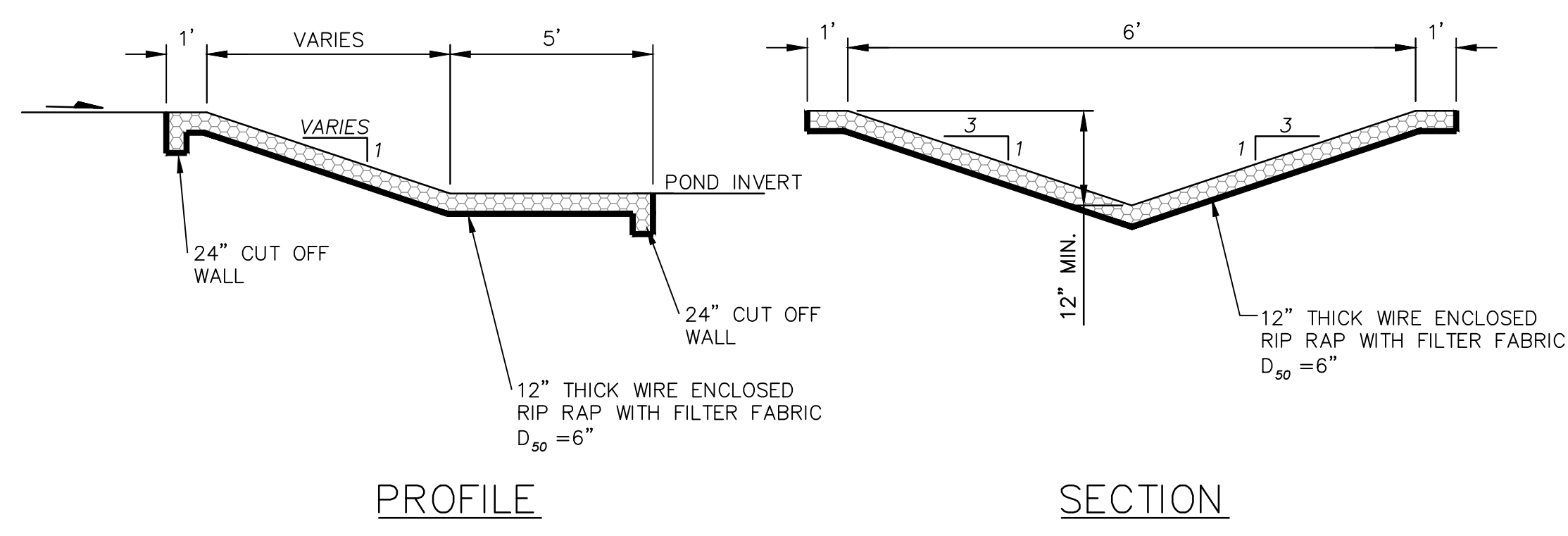
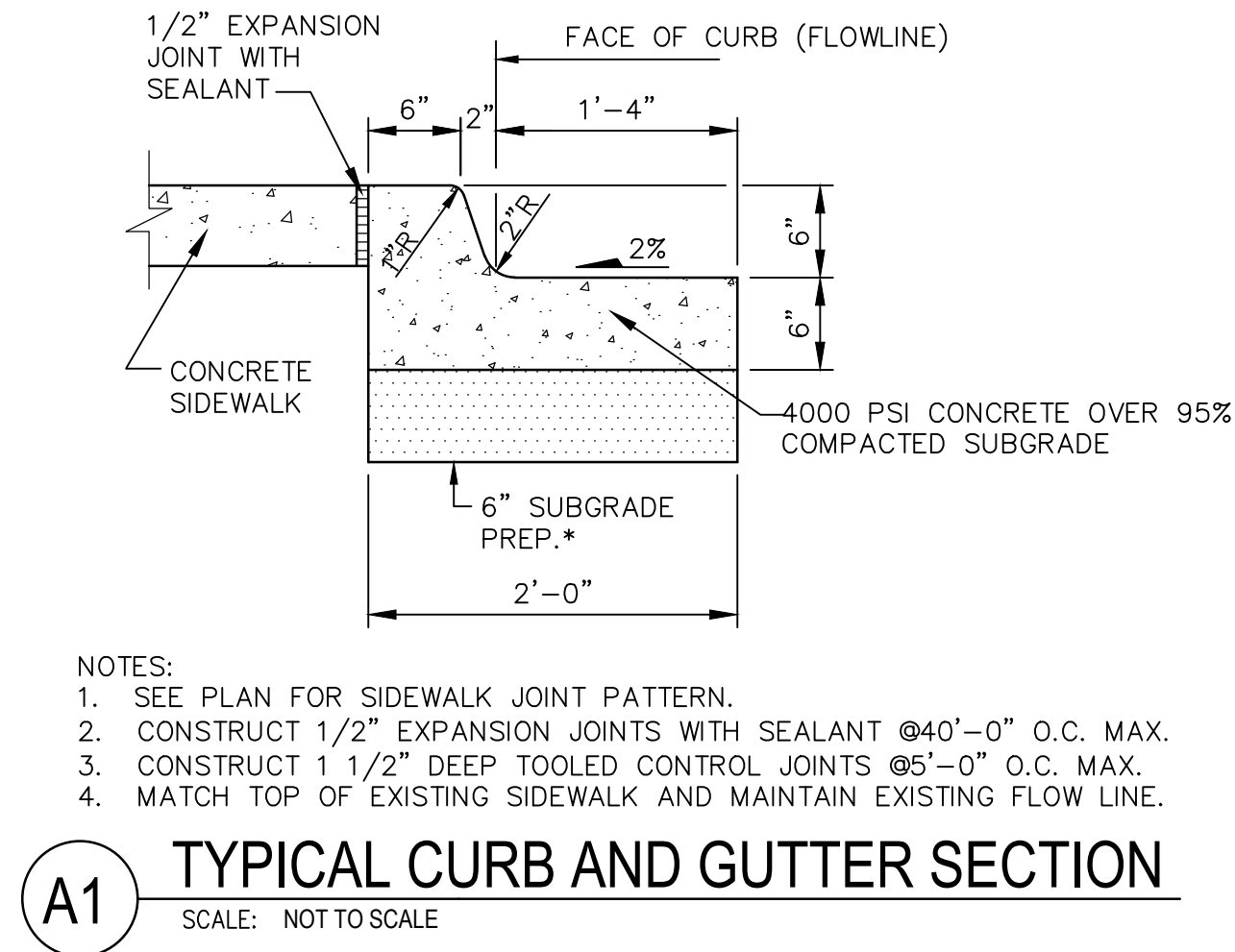
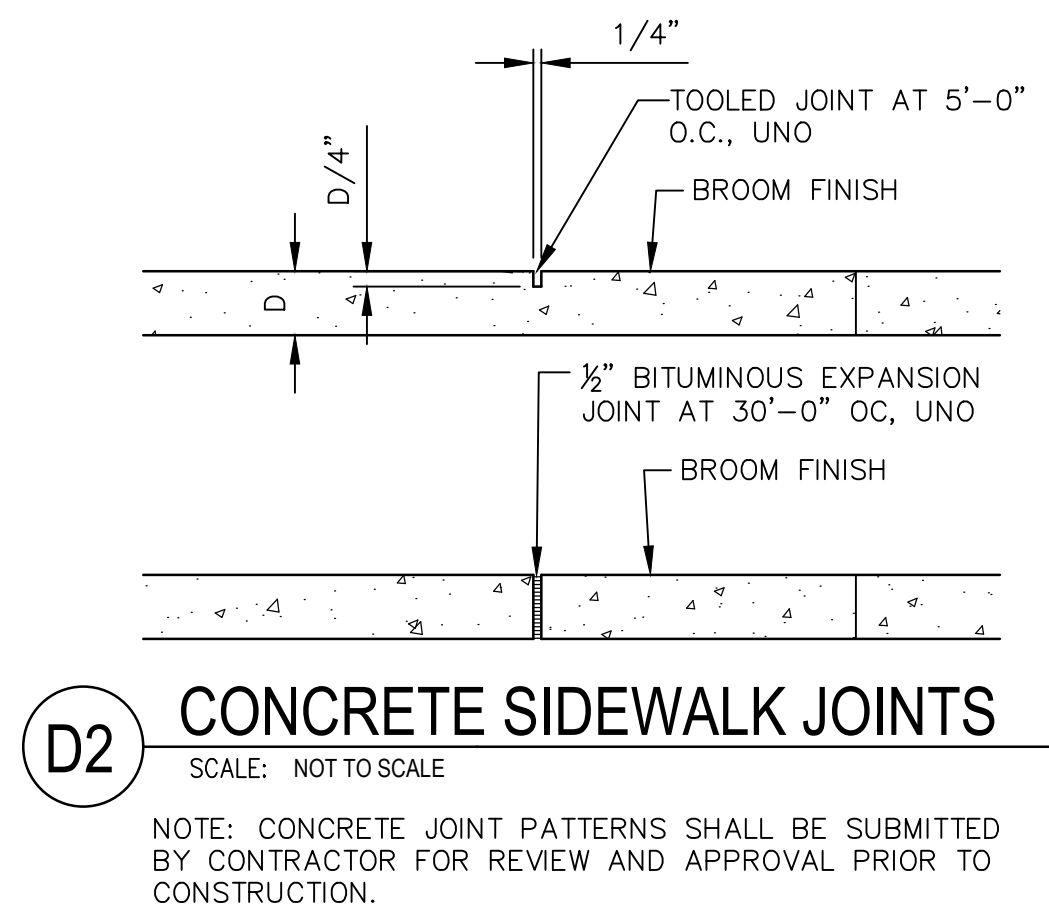
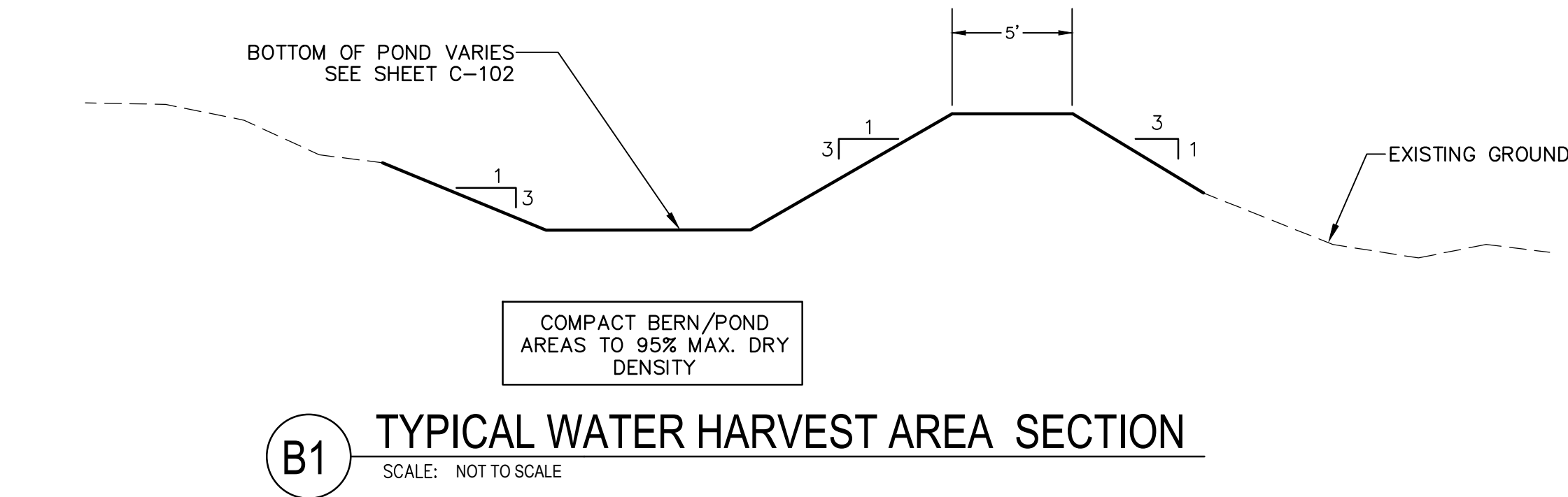
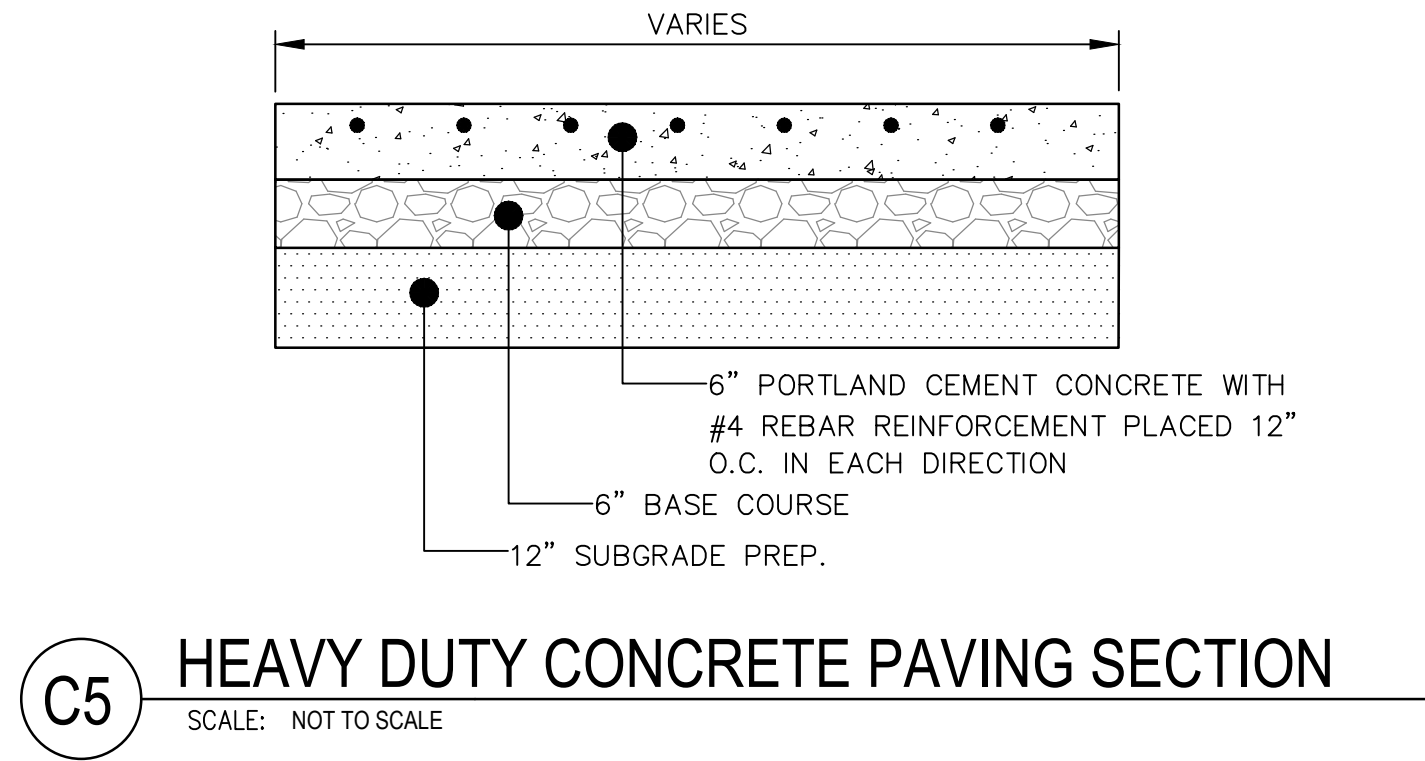
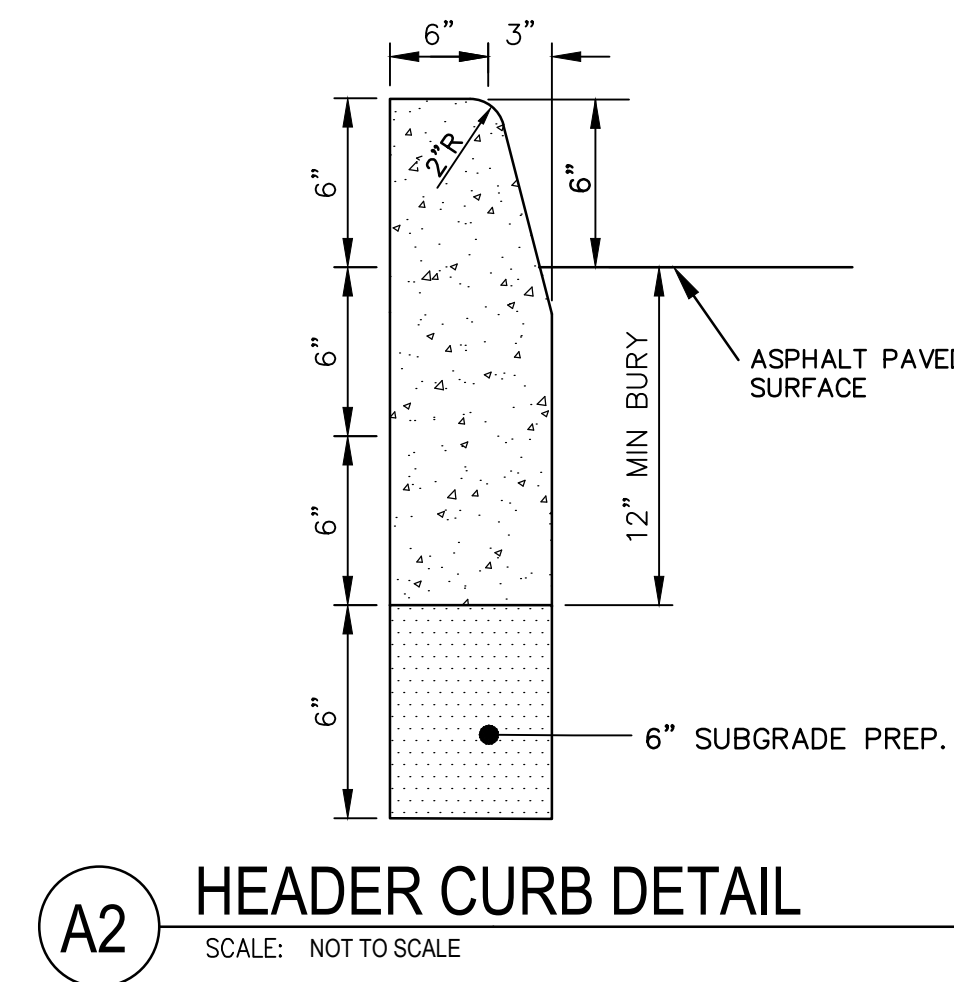
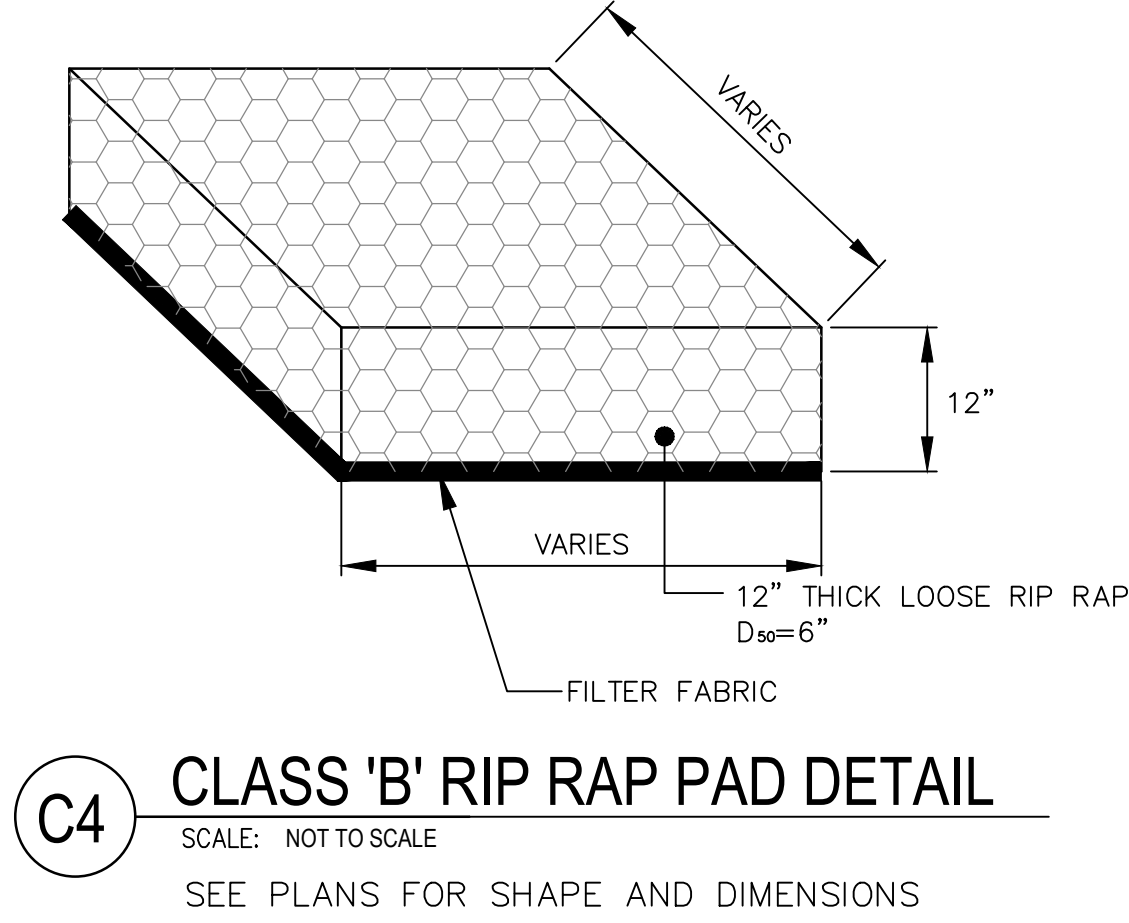
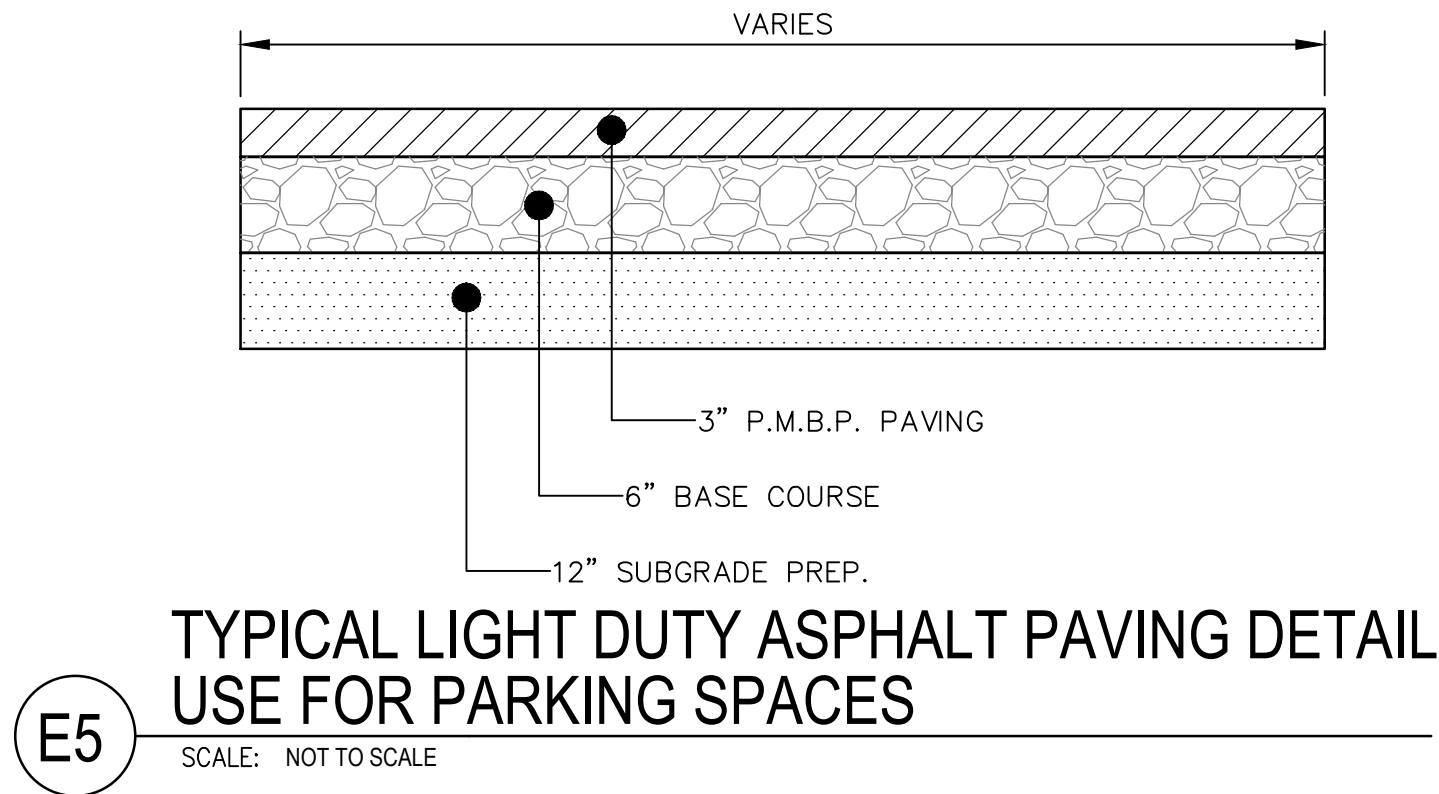
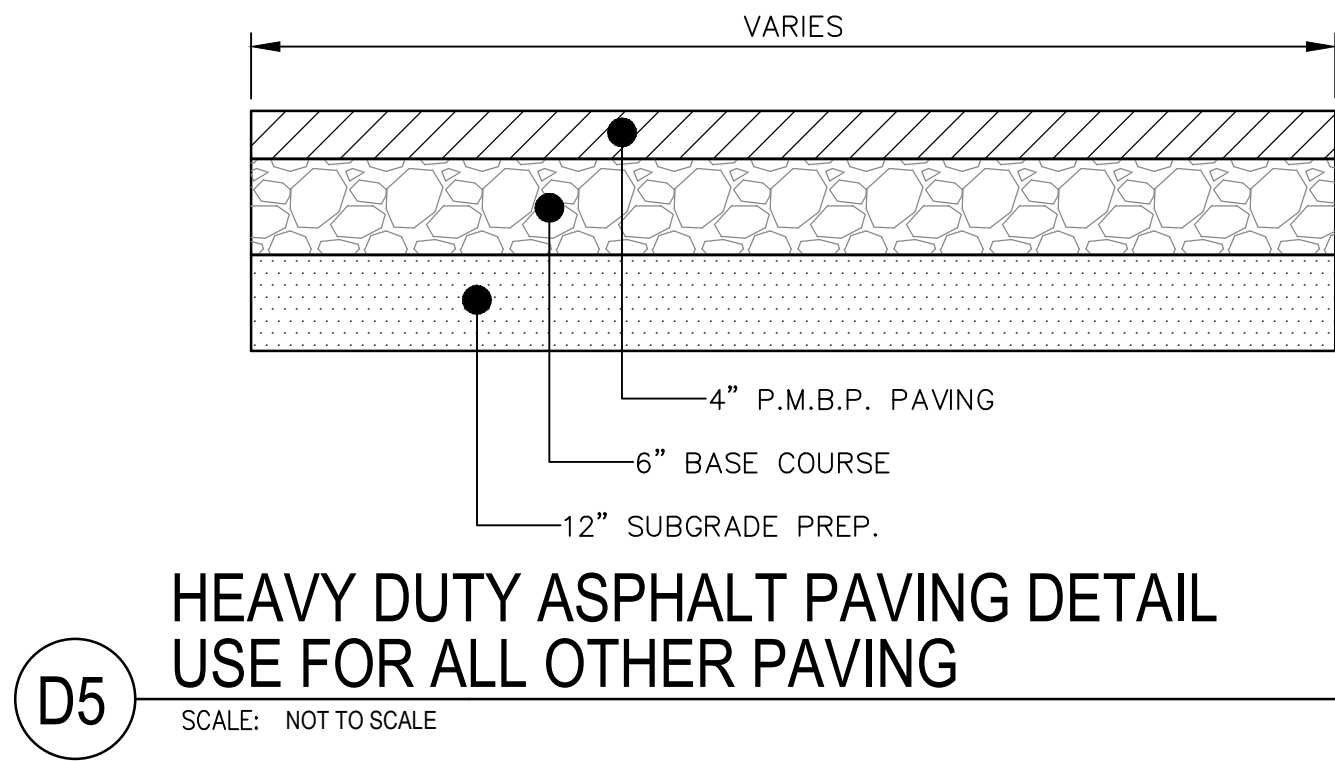


KEYED NOTES:

1. PROPOSED BUILDING SEE ARCHITECTURAL DRAWINGS.
2. EXISTING PARKING AND ASPHALT TO REMAIN.
3. SAW CUT EXISTING ASPHALT AND MATCH EXISTING GRADE.
4. PROPOSED TRASH ENCLOSURE SEE ARCHITECTURAL DRAWINGS.
5. NEW 3' CURB CUT.
6. NOT USED.
7. NEW HEADER CURB SEE DETAIL SHEET C-501.
8. NEW CURB AND GUTTER SEE DETAIL SHEET C-501.
9. NEW WATER HARVEST AREA #1. INV=85.25, SEE DETAIL SHEET C-501.
10. PROPOSED LANDSCAPE AREA SEE ARCHITECTURAL DRAWINGS.
11. NEW HANDICAP PARKING.
12. NEW CONCRETE PAVING SEE DETAIL SHEET C-501.
13. NEW NEW HMA PAVING SEE DETAIL SHEET C-501.
14. EXISTING PROPERTY LINE.
15. NEW BOLLARDS SEE DETAIL SHEET C-502.
16. HOT MIXED ASPHALT AND CONCRETE FLUSH.
17. NEW CROSSWALK SEE DETAIL SHEET C-502.
18. NEW PARKING BUMPER AND HANDICAP SIGNAGE SEE DETAIL SHEET C-502.
19. NEW 3' CURB CUT, FL=85.75.
20. CONCRETE HEADER CURB, HEIGHT VARIES 0" - 6" SEE DETAIL SHEET C-501.
21. MATCH ELEVATION AT BACK OF SIDEWALK, ELEV.=88.55

[illegible]

ENGINEERS STAMP



NEW MEXICO

BERNALILLO COUNTY

1105 JUAN TABO BLVD. NE

ALBUQUERQUE, NEW MEXICO

MISCELLANEOUS DETAILS

REVISION DESCRIPTION

DATE

MARK

C-501

MILLER ENGINEERING CONSULTANTS

Engineers • Planners

3500 COMANCHE NE

BLDG F

ALBUQUERQUE, NM 87107

(505)888-7500

(505)888-3600 (FAX)

DESIGNED

RFH

DRAWN

RFH

CHECKED

VAM

JOB #

E-20-014

FILE

C-501

DATE

03/18/2020

ENGINEER'S STAMP

BERNARD A. MILLER II

14507

REGISTERED PROFESSIONAL ENGINEER

NEW MEXICO

CLIENTS/CALIFORNIA GOLD/1105 JUAN TABO/CAD/SHEETS/C-501_MISC-DETAILS.dwg, 5/4/2020 8:16:26 AM, 1:1



TREASURY DIVISION DAILY DEPOSIT

Transmittals for:
PROJECTS Only

Payment-in-Lieu for Storm Water Quality Volume Requirement

CASH COUNT	AMOUNT	ACCOUNT NUMBER	FUND NUMBER	BUSINESS UNIT	PROJECT ID	ACTIVITY ID	AMOUNT
TOTAL CHECKS	\$	461615	305	PCDMD	24_MS4	7547210	\$
TOTAL AMOUNT						TOTAL DEPOSIT	\$2864

Hydrology#: J21D024 Name: _____
Payment In-Lieu For Storm Water Quality
Volume Requirement

Address/Legal Description: 1105 Juan Tabo Blvd. NE

DEPARTMENT NAME: Planning Department/Development Review Services, Hydrology

PREPARED BY Ernest Armijo PHONE 924-3986

BUSINESS DATE 06/16/2020

DUAL VERIFICATION OF DEPOSIT Ernest Armijo
EMPLOYEE SIGNATURE

AND BY _____
EMPLOYEE SIGNATURE

REMITTER: _____

AMOUNT: _____

BANK: _____

CHECK #: _____ DATE ON CHECK: _____

The Payment-in-Lieu can be paid at the Plaza del Sol Treasury, 600 2nd St. NW. **Bring three copies of this invoice to the Treasury** and provide a copy of the receipt to Hydrology, Suite 201, 600 2nd St. NW, or e-mail with the Hydrology submittal to PLNDRS@cabq.gov.