



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 11/2018)

Project Title: _____ **Building Permit #:** _____ **Hydrology File #:** _____

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

Legal Description: _____

City Address: _____

Applicant: _____ **Contact:** _____

Address: _____

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

Owner: _____ **Contact:** _____

Address: _____

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

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

IS THIS A RESUBMITTAL?: _____ Yes _____ No

DEPARTMENT: _____ TRAFFIC/ TRANSPORTATION _____ HYDROLOGY/ DRAINAGE

Check all that Apply:

TYPE OF SUBMITTAL:

- _____ 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
- _____ 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: _____ **By:** _____

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

October 27, 2022

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

**RE: Wat Phrathat Doi Suthep NM
Conceptual Grading and Drainage Plan
Engineer's Stamp Date: no stamp
Hydrology File: K19D125A**

Dear Mr. Miller:

PO Box 1293
Based upon the information provided in your submittal received 10-18-22, the Conceptual Grading & Drainage Plan is approved for Administrative Site Amendment.

If you have any questions, please contact me at 924-3993 or ccherne@cabq.gov

Albuquerque

Sincerely,

NM 87103

Curtis Cherne, P.E. CFM
Principal Engineer
Planning Department

www.cabq.gov

National Flood Hazard Layer FIRMette



FLOOD ZONE MAP

FLOOD_ZONE_MAP_35001C0354H

DRAINAGE REPORT

SITE LOCATION

The existing site is an approximate 1-acre site located 320 Louisiana Boulevard SE in Albuquerque. The site is located on the east side of Louisiana Boulevard north of Zuni Road and can be accessed via Zuni Road south of the site (see vicinity map this sheet).

EXISTING CONDITIONS

The existing site is estimated at 1-acres and is mostly developed with buildings and asphalt paving. The site currently slopes from the east to west at a mild slope. The site does not lie within a 100-year FEMA floodplain (see FEMA panel on this sheet).

PROPOSED CONDITIONS

The proposed project will consist of a new building to be located on the western portion of the site. There is an existing building located on the eastern portion of the site that will remain. Since the existing site is currently fully developed and there will be no increase in impervious area on the site. The total area of disturbance for this site is estimated at 9481 square feet. The storm water quality volume for this disturbance area is estimated at 202 cubic feet. A small 330 cubic foot storm water quality pond has been provided between the existing on Louisiana and the new perimeter wall. The drainage calculations for proposed conditions are indicated on this sheet.

CONCLUSIONS

When fully developed as indicated on the grading and drainage plan, the runoff from the site will decrease by an estimated at 0.02 cfs and 0.001 acre-feet during the 100-year, 24-hour event. Storm water runoff from the site will discharge to its historical location west into Louisiana Boulevard. A small 330 cubic foot storm water quality pond is proposed along the back of existing sidewalk on Louisiana Boulevard to address the water quality volume required for this site.

GENERAL NOTES:

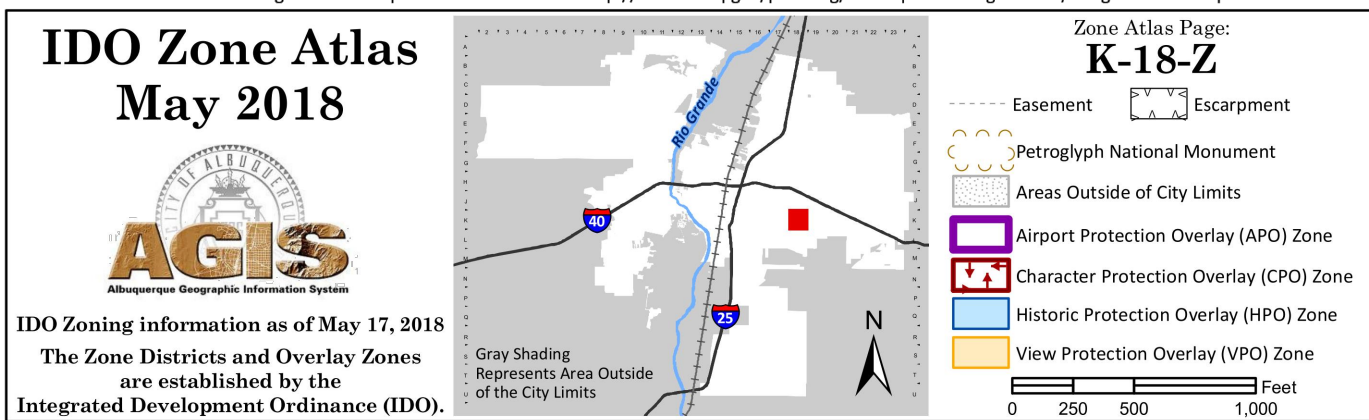
- EXISTING TOPOGRAPHIC SURVEY PERFORMED AND COMPILED BY HARRIS SURVEYING INC., CORRALES, NEW MEXICO AUGUST, 2022. MILLER ENGINEERING CONSULTANTS HAS UNDERTAKEN NO FIELD VERIFICATION OF THIS INFORMATION.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY SEDIMENT AND EROSION CONTROL DEVICES DURING THE 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.
- THE CONTRACTOR SHALL FIELD VERIFY LOCATION AND SIZE OF ALL UTILITIES PRIOR TO CONSTRUCTION.
- 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 2014 EDITION OF THE NEW MEXICO STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION (GREY BOOK).
- ALL EXISTING MANHOLES, VALVES AND METERS SHALL BE ADJUSTED TO NEW FINISH GRADE.

DPM HYDROLOGY CALCULATIONS

| Precipitation Zone 3 - 100-year Storm | | | | P(360) = 2.6 in | | P(1440) = 3.1 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 | 1.14 | 0.00 | 0.00 | 0.15 | 0.99 | 2.22 | 0.211 | 0.252 | 5.49 |
| Total | 1.14 | | | | | | | | 5.49 |
| Proposed Conditions | | | | | | | | | |
| Site | 1.14 | 0.00 | 0.00 | 0.16 | 0.98 | 2.21 | 0.210 | 0.251 | 5.47 |
| Total | 1.14 | | | | | | | | 5.47 |

STORM WATER QUALITY VOLUME CALCULATIONS

STORM WATER QUALITY VOLUME (REQUIRED) = 9481 SF * 0.26"/12 = 205 CF < 330 CF



VICINITY MAP

ZONE MAP K-18-Z

WAT PHRATHAT DOI SUTHEP NM

CONGREGATE LIVING

NON-TRANSIENT

320 LOUISIANA BLVD. SE.

ALBUQUERQUE, NEW MEXICO 87108-3183

ISSUE/REVISION

PROJECT NUMBER
20_1611.03

CAD DWG FILE:
DWL-NM_APS OSUNA

DRAWN BY:
MEC

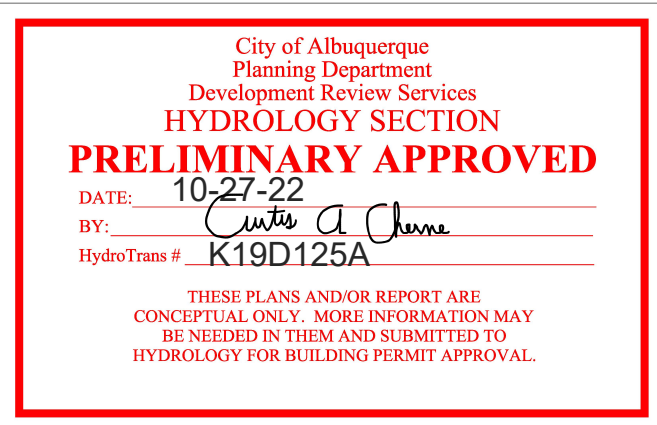
CHECKED BY:
VAM

SHEET TITLE:

HYDROLOGY PLAN

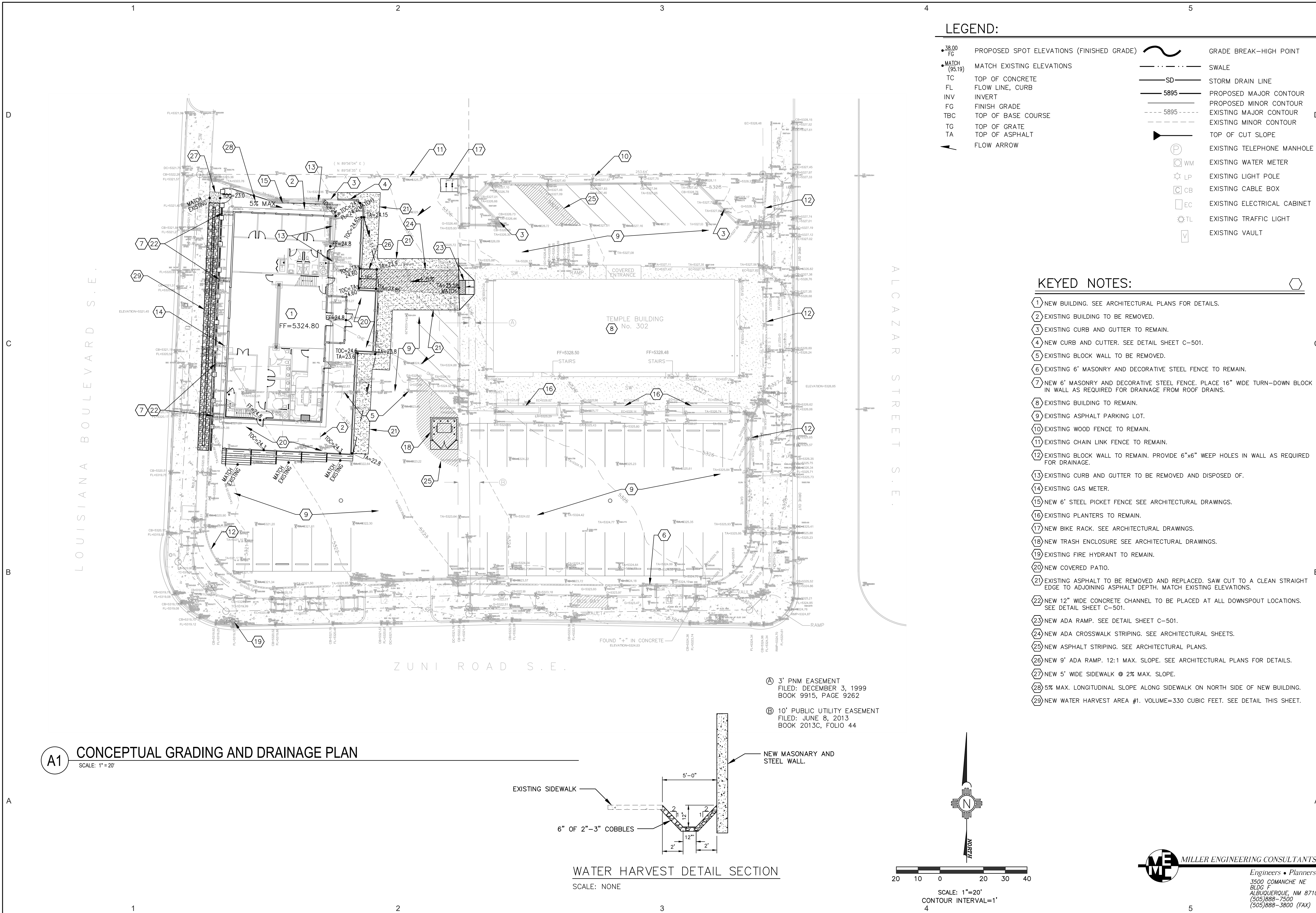
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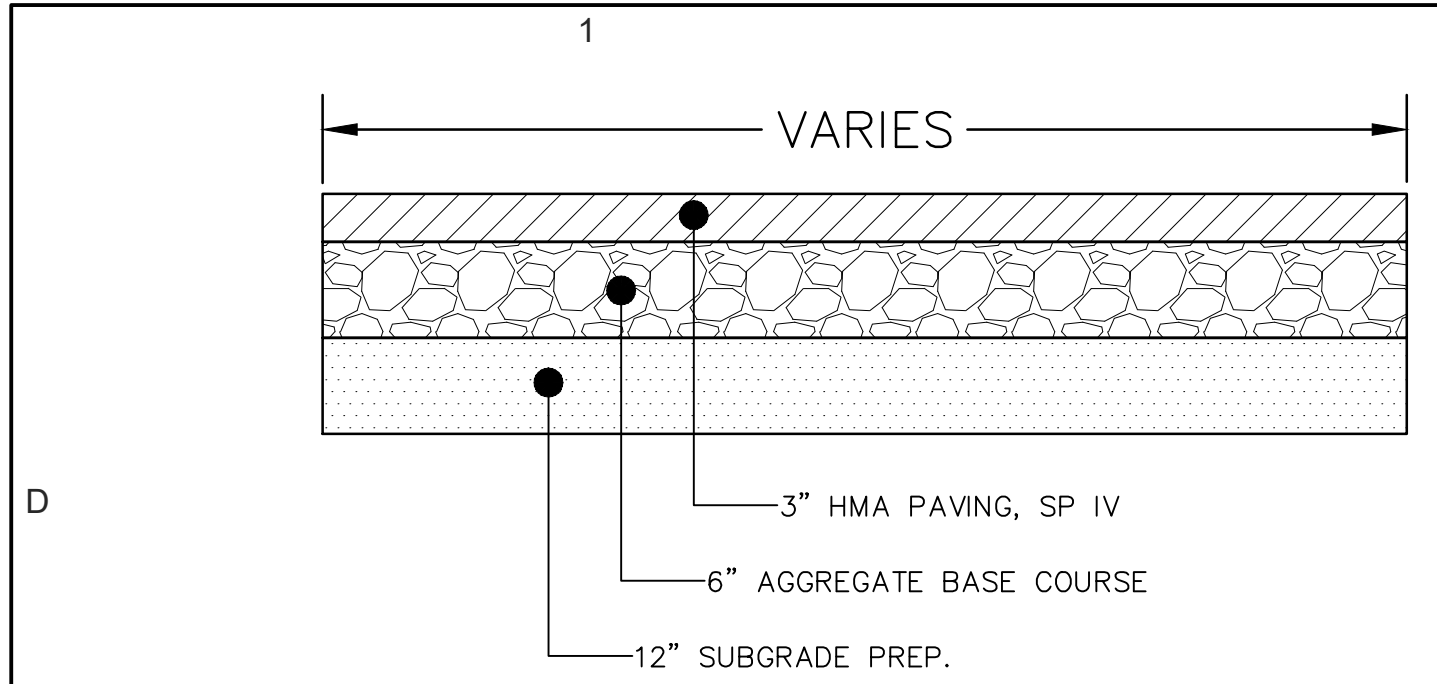
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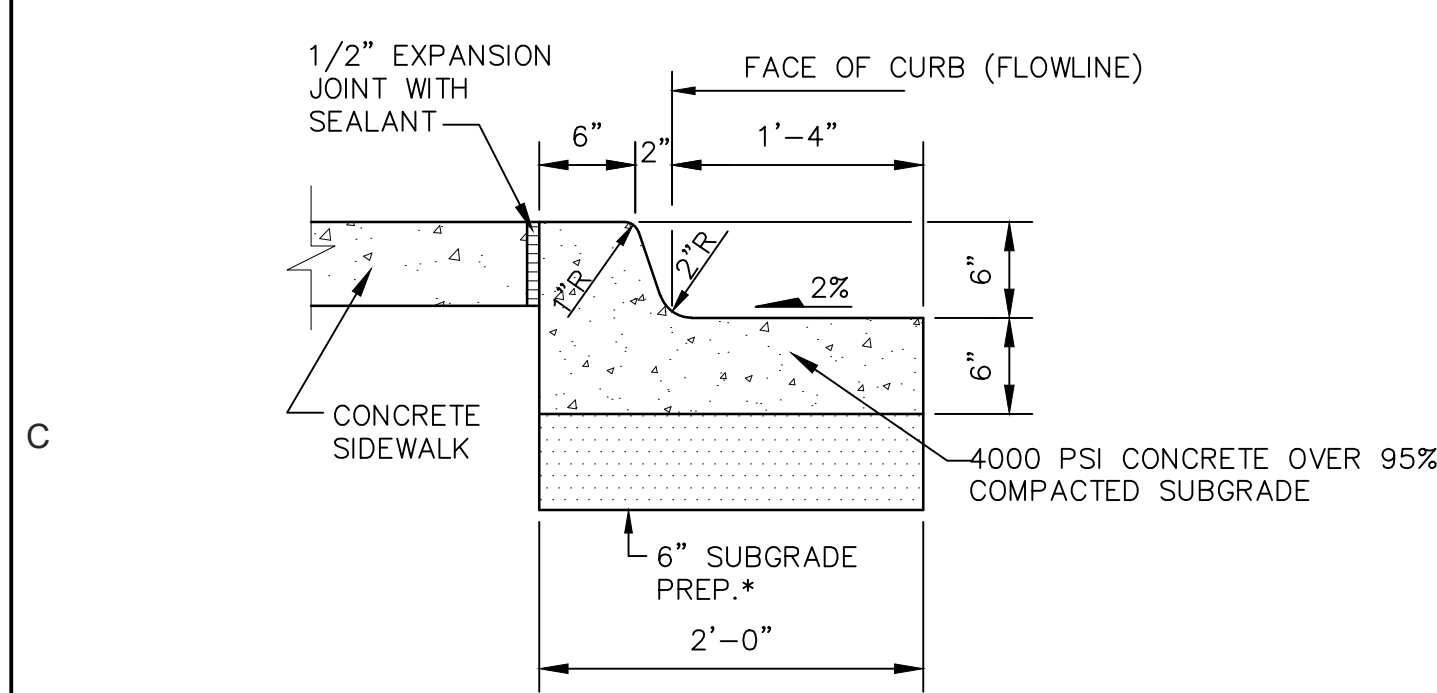
MILLER ENGINEERING CONSULTANTS
Engineers • Planners
3500 COMANCHE NE
BLDG F
ALBUQUERQUE, NM 87107
(505) 888-3800
(505) 888-3800 (FAX)

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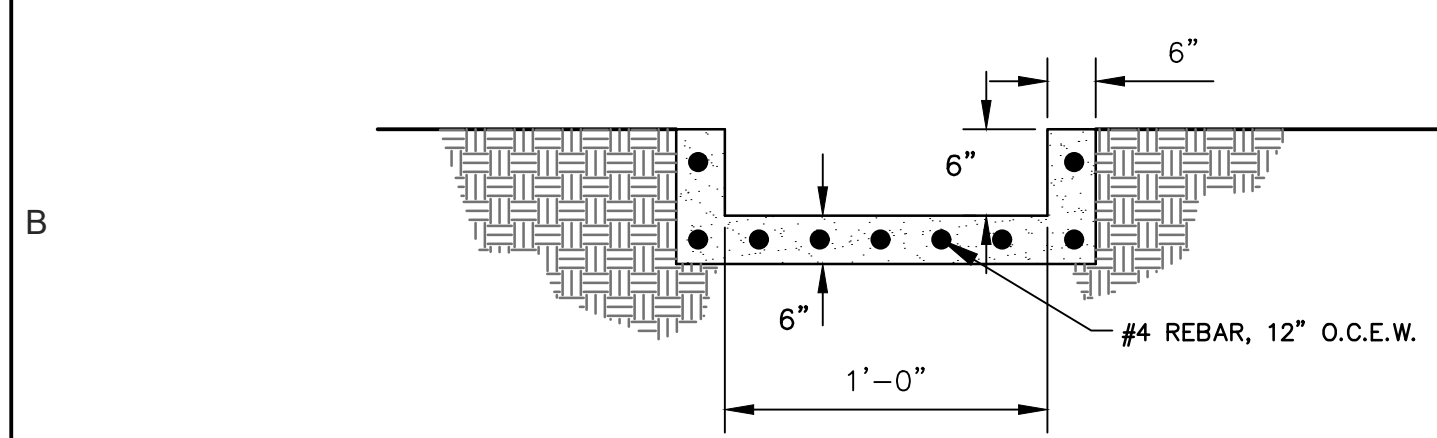




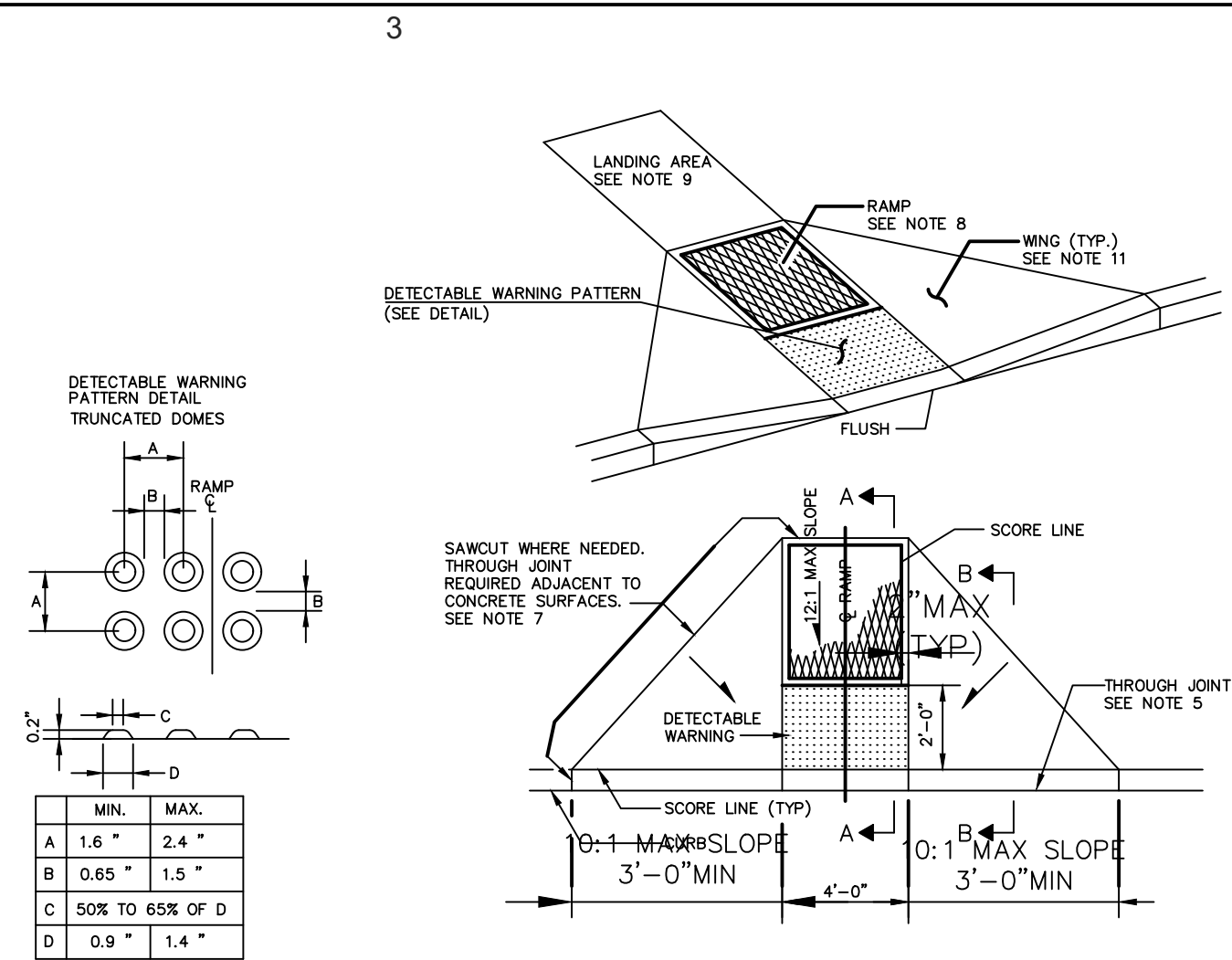
D4 TYPICAL LIGHT DUTY ASPHALT PAVING DETAIL
SCALE: NOT TO SCALE



B1 TYPICAL CURB AND GUTTER SECTION
SCALE: NOT TO SCALE



A1 CONCRETE CHANNEL DETAIL
SCALE: NOT TO SCALE



B2 HANDICAP RAMP DETAIL
SCALE: NOT TO SCALE

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

DWL ARCHITECTS & PLANNERS, INC. OF NM
202 CENTRAL AVE. S.E.
EAST COURTYARD
ALBUQUERQUE,
NEW MEXICO, 87102
PH (505) 242-6202
FAX (505) 242-4159
WEASTMAN@DWLNM.COM

WAT PHRATHAT DOI SUTHEP NM
CONGREGATE LIVING
NON-TRANSIENT
320 LOUISIANA BLVD. SE.
ALBUQUERQUE, NEW MEXICO 87108-3183

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CAD DWG FILE:
DWL-NM_APS OSUNA

DRAWN BY:
MEC

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VAM

SHEET TITLE:
MISCELLANEOUS DETAILS

C-501

OF SHEET

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