

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Interim Director



Mayor Timothy M. Keller

September 22, 2021

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

**RE: APS Westside Bus Depot
Grading and Drainage Plan
Engineer's Stamp Date: 07/29/21
Hydrology File: J10D048A**

Dear Mr. Miller:

Based upon the information provided in your submittal received 08/04/2021, the Grading and Drainage Plan is approved for Work Order.

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.

Please provide a Drainage Covenant with Exhibit A for the both detention ponds per Article 6-15(C) of the DPM prior to Work Order closeout. Please submit the original copies along with the \$ 25.00 recording fee check made payable to Bernalillo County to Marion G. Velasquez (mgvelasquez@cabq.gov) on the 4th floor of Plaza de Sol.

If you have any questions, please contact me at 924-3995 or rbrissette@cabq.gov.

Sincerely,

Renée C. Brissette, P.E. CFM
Senior Engineer, Hydrology
Planning Department



City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: APS Westside Bus Depot Building Permit #: _____ Hydrology File #: _____
DRB#: _____ **EPC#:** _____ **Work Order#:** _____
Legal Description: Tract lettered "D-2" of Plat for Tracts D-1 and D-2, Meridian Business Park II, being comprised of Lot 1A, Atrisco Business Park Unit II and Tract D, Meridian Business Park II
City Address: Meridian Business Park located in between Fortuna and Los Volcanes

Applicant: Albuquerque Public Schools, Facilities Contact: Karen Alraid
Address: 915 Locast Street SE
Phone#: 505-848-8876 **Fax#:** _____ **E-mail:** _____

Other Contact: Miller Engineering Consultants, Inc. Contact: Verlyn Miller
Address: 3500 comanche NE, Bldg. F
Phone#: 505-888-7500 **Fax#:** _____ **E-mail:** vmiller@mecnm.com

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

IS THIS A RESUBMITTAL? _____ Yes ☒ No

DEPARTMENT _____ TRANSPORTATION ☒ HYDROLOGY/DRAINAGE

Check all that Apply:

TYPE OF SUBMITTAL:

- ☐ ENGINEER/ARCHITECT CERTIFICATION
☐ PAD CERTIFICATION
☐ CONCEPTUAL G & D PLAN
☒ GRADING PLAN
☐ 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:

- ☒ 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: 8-4-2021 **By:** Verlyn Miller

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____

AHYMO SUMMARY OUTPUT

When developed as indicated on the grading and drainage plan, the increased runoff from the site is estimated at 46 cfs during the 100-year, 24-hour event. The first flush pond volumes for the new impervious areas in Basin A and B are estimated at 20,338 cf and 7,928 cf respectively. The two retention/detention ponds have ample capacity for first flush retention and will release flow from the pond at a controlled rate to the Los Volcanes storm drain system of less than 0.1 cfs/ac during the 100-year event.

Basin #	Area (Ac)	Q (100) Existing	Q(100) Prop	Pond Outflow	MWSE	0.1cfs/ac
A	13.34	23.05	56.89	1.23	11.47	1.34
B	5.2	9.01	21.68	0.48	9.85	0.52

VFF = (581,090 SF * 0.42"/12) = 20,338 CF
VOLUME PROVIDED = 42,950CF (@ ORIFICE INVERT)

VFF = (226,512 SF * 0.42"/12) = 7,928 CF
VOLUME PROVIDED = 13,068 CF (@ ORIFICE INVERT)

Emergency Spillway - North Pond

[illegible]

WATER HARVEST NORTH AREA					WATER HARVEST SOUTH AREA				
Pond Rating Table		2:1			Pond Rating Table		2:1		
Side Slope					Side Slope				
Depth (ft)	Area (sq ft)		Volume (ac-ft)	Cum Volume (ac-ft)	Depth (ft)	Area (sq ft)		Volume (ac-ft)	Cum Volume (ac-ft)
5108	19051	0.437	0.000	0.000	5107	9110	0.209	0.000	0.000
5109	21440	0.492	0.465	0.465	5108	10205	0.234	0.222	0.222
5110	23968	0.550	0.521	0.986	5109	11325	0.260	0.247	0.469
5111	26636	0.611	0.581	1.567	5110	12528	0.288	0.274	0.743
5112	29370	0.674	0.643	2.210	5111	13733	0.315	0.301	1.044
5112.5	30742	0.706	0.345	2.555					
5113	32114	0.737	0.706	2.915					

[illegible]

SCALE: NOT TO SCALE

35001C0328J

The map shows a complex arrangement of land parcels with various zoning codes such as NR-BP, UNSE-020923, MERIDIAN BUSINESS PARK II, and ATRISCO BUSINESS PARK. Key streets include I-84, Airport Blvd, and Color Boulevard - CPQ-2. A large area in the upper right is designated as the 'TOWN OF ATRISCO COUNTY AIRPORT UNIT'. A central parcel is highlighted with diagonal hatching and labeled 'SITE'. Other notable features include 'FAMILY WOODSIDE CENTER', 'MILAN MESA ESTATES', and 'AIRPORT UNIT'.

IDO Zone Atlas
May 2018

SCALE: NOT TO SCALE

South Pond - Orifice

Project Description			
Solve For		Discharge	
Input Data			
Headwater Elevation	11.00 ft		
Control Elevation	8.50 ft		
Tailwater Elevation	8.00 ft		
Discharge Coefficient	0.600		
Diameter	4.0 in		
Headwater Elevation (ft)	Discharge (cfs)		Velocity (ft/s)
9.00		0.30	
9.50		0.42	
10.00		0.51	
10.50		0.59	
11.00		0.66	✓

$$\boxed{\text{EQ. 6.65}} \quad Q = CA(2gh)^{1/2} = 0.60(0.087)(2(32.2)(2.5))^{1/2}$$

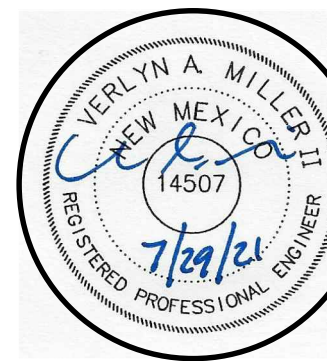
$$= 0.66 \checkmark$$

North Pond Orifice

Project Description	
Solve For	Discharge
Input Data	
Headwater Elevation	12.00 ft
Centroid Elevation	9.75 ft
Tailwater Elevation	8.00 ft
Discharge Coefficient	0.600
Diameter	6.0 in

Eq. 6.65 $Q = CA (2gh)^{1/2} = 0.60(0.19625)(2(32.2)(2.25))^{1/2}$
 $= 1.417 = 1.42 \checkmark$

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
V.EASTMAN@DWLNM.CO



MAY, 2021

**ALBUQUERQUE PUBLIC SCHOOLS
SAPS PROJECT NO: 910, LOCATION
WEST SIDE BUS DEPOT
MERIDIAN BUSINESS PARK
ALBUQUERQUE, NM.**



ISSUE/REVISION		
No.	Description	Date
1.	REVISED PER DRC	08/03/2021

PROJECT NUMBER:
Project Number

CAD DWG FILE:
DWL-NM_20_1611_MERIDIAN

DRAWN BY
MEC

CHECKED
VAM

SHEET TITLE

USER

HYDROLOGY PLAN

C-100

OF SHEET

6/25/2020 13:43:20 165°F RM

- ① PROPOSED BUILDING. SEE ARCHITECTURAL DRAWINGS, FF=17.5
- ② APPROXIMATE EXISTING PROPERTY LINE.
- ③ NEW EMPLOYEE PARKING. SEE ARCHITECTURAL DRAWINGS.
- ④ NEW BUS PARKING. SEE ARCHITECTURAL DRAWINGS.
- ⑤ NEW VISITOR PARKING. SEE ARCHITECTURAL DRAWINGS.
- ⑥ NEW LIGHT DUTY HOT MIX ASPHALT PAVING SEE DETAIL SHEET C-501.
- ⑦ NEW ASPHALT SWALE SEE DETAIL SHEET C-501.
- ⑧ NEW HEAVY DUTY HOT MIX ASPHALT PAVING. SEE DETAIL SHEET C-501.
- ⑨ NEW DETENTION POND #1, TOP=13.0., MWSE=11.5.
- ⑩ NEW DETENTION POND #2, TOP=11.0.

- (11) NEW 4" DIAMETER STORM DRAIN MANHOLE SEE DETAIL SHEET C-502.
- (12) NEW 24" DIAMETER WATER QUALITY RISER SEE DETAIL SHEET C-504.
- (13) NEW 12" SMOOTH INTERIOR LINED CMP STORM DRAIN PIPE WITH WATER TIGHT JOINTS.
- (14) CONNECT NEW 12" STORM DRAIN PIPE INTO EXISTING STORM DRAIN MANHOLE IN STREET.
- (15) NEW CONCRETE SIDEWALKS/FLATWORK. SEE ARCHITECTURAL DRAWINGS FOR DETAILS.
- (16) NEW CURB AND GUTTER. SEE DETAIL SHEET C-501.
- (17) NEW RETAINING WALL. SEE STRUCTURAL.
- (18) NEW CONCRETE RUNDOWN. SEE DETAIL SHEET C-501.
- (19) NEW LANDSCAPE AREA SEE ARCHITECTURAL DRAWINGS.

- (20) MODIFY EXISTING CURB DROP INLET (DRC WORK ORDER REQUIRED).
- (21) EMERGENCY SPILLWAY, SEE SHEET C-501 FOR DETAILS.
- (22) PLACE 24" CURB CUTS 50' ON CENTER ALONG NEW CURB AND GUTTER IN THIS AREA.
- (23) NEW 18" SMOOTH INTERIOR LINED CMP STORM DRAIN PIPE WITH WATER TIGHT JOINTS.
- (24) POND SIDE SLOPES NEED TO BE STABILIZED WITH NATIVE GRASS SEED WITH AGGREGATE MULCH OR EQUAL.

	PROPOSED SPOT ELEVATIONS (FINISHED GRADE)		GRADE BREAK—HIGH POINT
	MATCH EXISTING ELEVATIONS		SWALE
TCO	TOP OF CONCRETE		STORM DRAIN LINE
FL	FLOW LINE, CURB		PROPOSED MAJOR CONTOUR
INV	INVERT		PROPOSED MINOR CONTOUR
FG	FINISH GRADE		EXISTING MAJOR CONTOUR
TBC	TOP OF BASE COURSE		EXISTING MINOR CONTOUR
TC	TOP OF CURB		
TG	TOP OF GRATE		STORM DRAIN MANHOLE
TA	TOP OF ASPHALT		
	FLOW ARROW		

City of Albuquerque
Planning Department
Development Review Services

HYDROLOGY SECTION

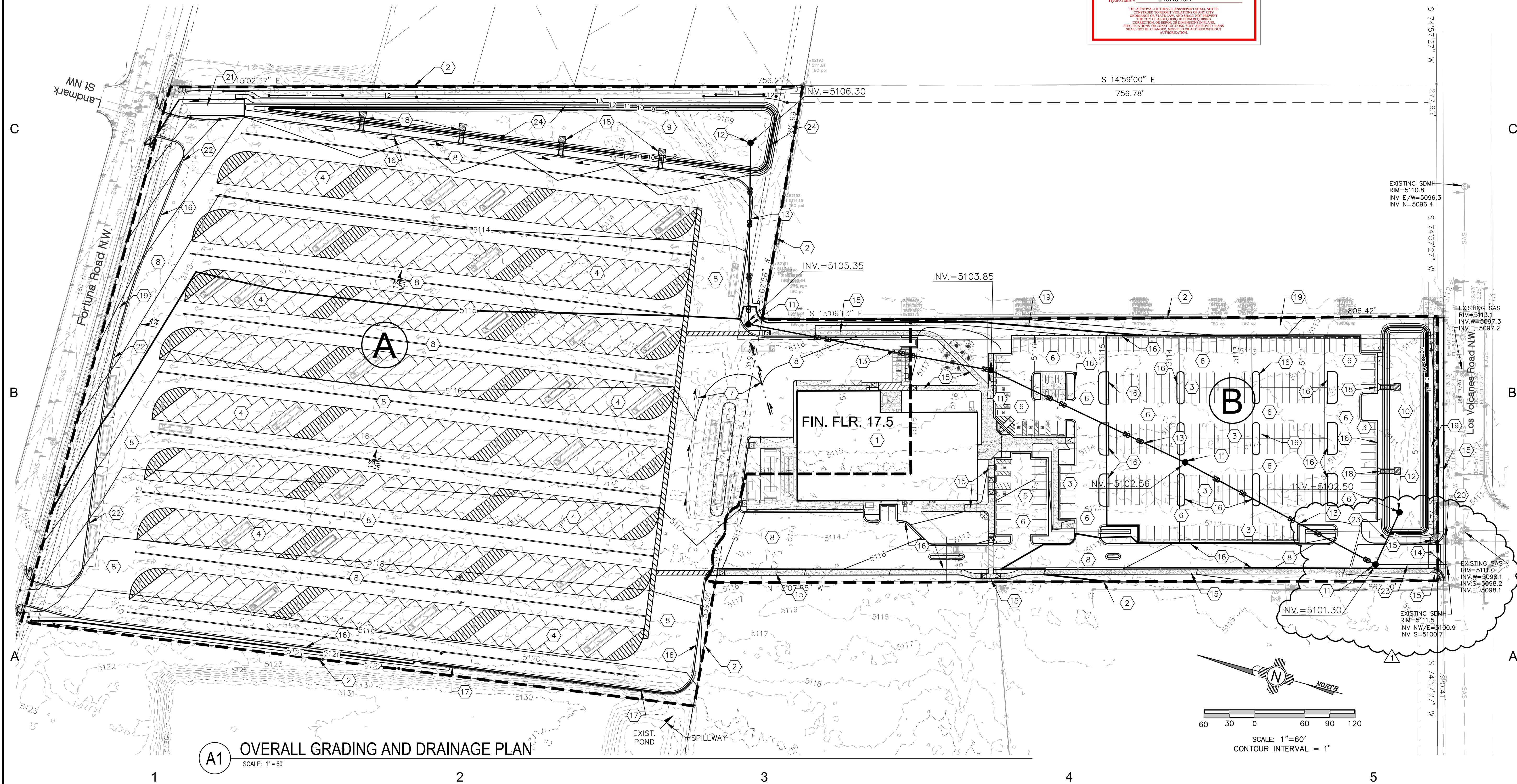
APPROVED

DATE: 09/22/21

BY: *Rosie C. Brissett*

HydroTrans # J1DD048A

THE APPROVAL OF THESE PLANS REPRESENTS THAT THE CITY IS NOT CONSIDERED TO PERMIT VIOLATIONS OF ANY CITY ORDINANCE OR STATE LAW, AND ISSUES OF THIS PERMIT THE CITY OF ALBUQUERQUE FROM REQUESTING CORRECTIONS OR TOLERANCE OF VIOLATIONS IN PLANS, SPECIFICATIONS OR CONSTRUCTIONS. SUCH APPROVED PLANS SHALL NOT BE GRANTED, MODIFIED OR ALTERED WITHOUT AUTHORIZATION.



ALBUQUERQUE PUBLIC SCHOOLS
APS PROJECT NO: 910, LOCATION: 173
WEST SIDE BUS DEPOT
MERIDIAN BUSINESS PARK
ALBUQUERQUE, NM.



ISSUE/REVISION		
No.	Description	Date
1.	REVISED PER DRC	08/03/2021

PROJECT NUMBER:
Project Number

CAD DWG FILE:
DWL-NM_20_1611_MERIDIAN

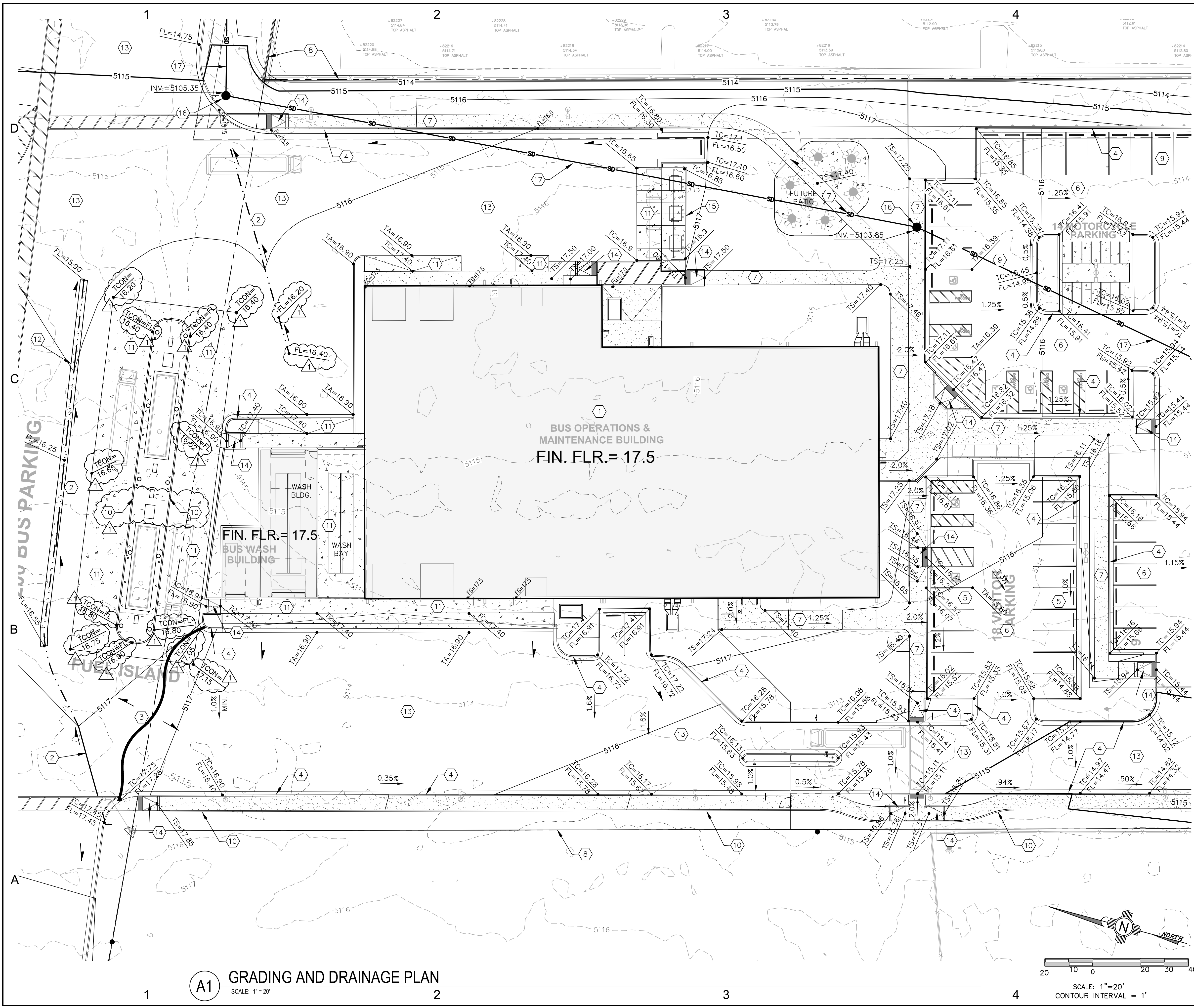
DRAWN BY:
MEC

CHECKED BY:
VAM

SHEET TITLE:

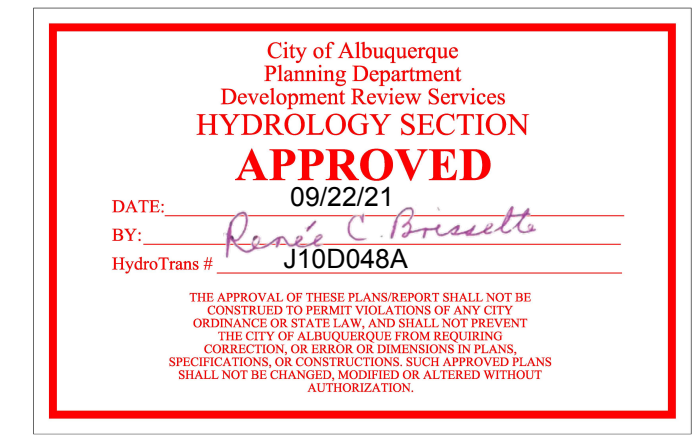
OVERALL GRADING AND DRAINAGE PLAN

C-101



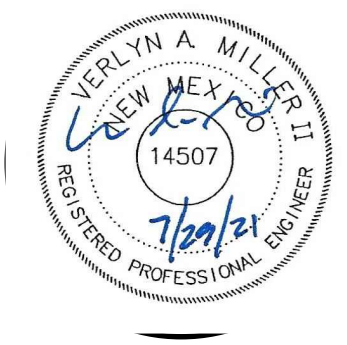
- LEGEND:**
- 38.00 FG PROPOSED SPOT ELEVATIONS (FINISHED GRADE)
 - MATCH (95.19) MATCH EXISTING ELEVATIONS
 - TCON TOP OF CONCRETE
 - FL FLOW LINE, CURB
 - INV INVERT
 - FG FINISH GRADE
 - TBC TOP OF BASE COURSE
 - TC TOP OF CURB
 - TG TOP OF GRATE
 - TA TOP OF ASPHALT
 - FLOW ARROW
 - GRADE BREAK-HIGH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

- KEYED NOTES:**
- PROPOSED BUILDING FF=17.5 SEE ARCHITECTURAL DRAWINGS.
 - NEW DRAINAGE SWALE SLOPE 1% MAX.
 - PROPOSED HIGH POINT.
 - NEW CURB AND GUTTER SEE DETAIL SHEET C-501.
 - NEW VISITOR PARKING AREA SEE ARCHITECTURAL DRAWINGS.
 - NEW LIGHT DUTY HOT MIX ASPHALT PAVING SEE DETAIL SHEET C-501.
 - NEW CONCRETE SIDEWALK/FLATWORK. SIDEWALKS SHALL HAVE A 2% SLOPE. CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS PRIOR TO CONSTRUCTION.
 - APPROXIMATE PROPERTY LINE LOCATION.
 - NEW EMPLOYEE PARKING AREA SEE ARCHITECTURAL DRAWINGS.
 - NEW CONCRETE HEADER CURB, SEE DETAIL ON SHEET C-501. SEE ARCHITECTURAL PLANS FOR DETAIL OF FUEL ISLAND AREA.
 - NEW HEAVY DUTY CONCRETE PAVING SEE DETAIL SHEET C-501.
 - NEW 3' WIDE CONCRETE VALLEY GUTTER, SEE DETAIL ON SHEET C-501.
 - NEW HEAVY DUTY HOT MIX ASPHALT PAVING SEE DETAIL SHEET C-501 FOR DETAILS.
 - NEW HANDICAP RAMP SEE ARCHITECTURAL DRAWINGS FOR DETAILS.
 - NEW TRASH ENCLOSURE SEE ARCHITECTURAL DRAWINGS FOR DETAILS.
 - NEW 4' DIA. STORM DRAIN MANHOLE SEE DETAIL SHEET C-502.
 - NEW 12" SMOOTH INTERIOR LINED CMP STORM DRAIN PIPE WITH WATER TIGHT JOINTS.



A1 GRADING AND DRAINAGE PLAN
SCALE: 1"=20'

DWL ARCHITECTS
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
W.EASTMAN@DWLNM.COM

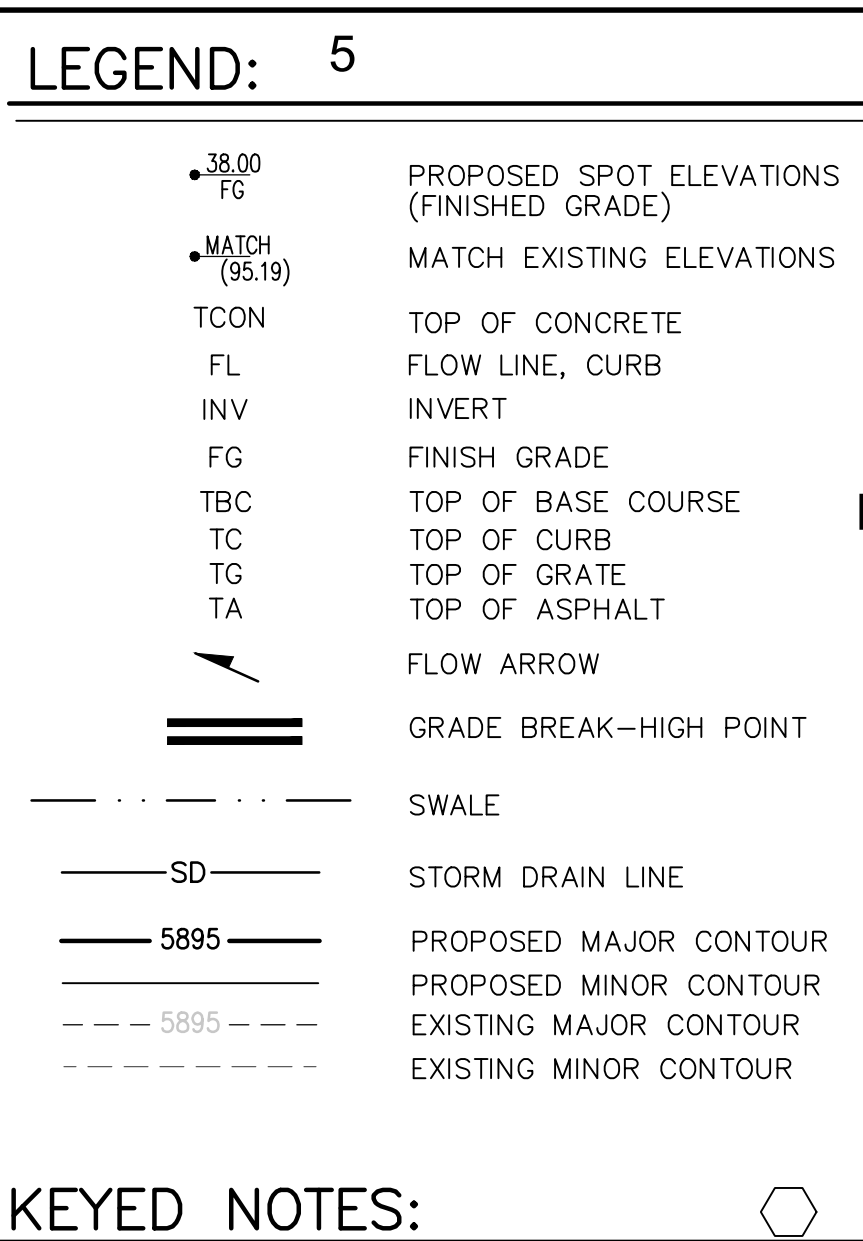


MAY, 2021

ALBUQUERQUE PUBLIC SCHOOLS
APS PROJECT NO: 910, LOCATION: 173
WEST SIDE BUS DEPOT
MERIDIAN BUSINESS PARK
ALBUQUERQUE, NM.



ISSUE/REVISION	
No. 1	Description
ADDENDUM	
Date 08/08/2021	
PROJECT NUMBER:	
Project Number	
CAD DWG FILE:	
DWL-NM_20_1611_MERIDIAN	
DRAWN BY:	
MEC	
CHECKED BY:	
VAM	
SHEET TITLE:	
ENLARGED GRADING AND DRAINAGE PLAN - BUILDING	
C-102	
OF SHEET	



DWL
ARCHITECTS

DWL ARCHITECTS &
PLANNERS, INC. OF NM

202 CENTRAL AVE. S.E.
EAST COURTYARD
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NEW MEXICO, 87102

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MAY, 2021

ALBUQUERQUE PUBLIC SCHOOLS
APS PROJECT NO: 910, LOCATION: 173
WEST SIDE BUS DEPOT
MERIDIAN BUSINESS PARK
ALBUQUERQUE, NM.



**ALBUQUERQUE
PUBLIC SCHOOLS**

ISSUE/REVISION		
No.	Description	Date
1.	REVISED PER DRC	08/03/2021
PROJECT NUMBER:		
Project Number		
CAD DWG FILE:		
DWL-NM_20_1611_MERIDIAN		
DRAWN BY:		
MEC		
CHECKED BY:		
VAM		

SHEET TITLE:

**ENLARGED
GRADING AND
DRAINAGE PLAN-SOUTH
PARKING AREA
C-103**

- 1 NEW 20' WIDE CONCRETE EMERGENCY SPILLWAY. CREST ELEV.=12.0. SEE DETAIL SHEET C-501.
- 2 APPROXIMATE EXISTING PROPERTY LINE.
- 3 NEW BUS PARKING. SEE ARCHITECTURAL DRAWINGS.
- 4 NEW ASPHALT SWALE SEE DETAIL SHEET C-501.
- 5 NEW HEAVY DUTY HOT MIX ASPHALT PAVING. SEE DETAIL SHEET C-501.
- 6 NEW DETENTION POND #1. INV.=8.0, TOP=13.0, MWSE=11.5
- 7 NEW CONCRETE PAVING VALLEY GUTTER AND FILLET SEE DETAIL SHEET C-504.

- 8 NEW CONCRETE RUNDOWN SEE DETAIL SHEET C-501.
- 9 NEW CURB AND GUTTER SEE DETAIL SHEET C-501.
- 10 NEW 24" DIAMETER WATER QUALITY RISER SEE DETAIL SHEET C-504.
- 11 NEW 12" SMOOTH INTERIOR LINED CMP STORM DRAIN PIPE WITH WATER TIGHT JOINTS.
- 12 NEW 4' DIAMETER STORM DRAIN MANHOLE SEE DETAIL SHEET C-502.
- 13 NEW PARALLEL RAMPS SEE DETAIL SHEET C-505.

- 14 NEW 20' CURB CUT FOR CONCRETE SPILLWAY.
- 15 NEW 2' WIDE CURB CUTS 50' O.C. ALONG NEW CURB AND GUTTER IN THIS AREA.
- 16 POND SIDE SLOPES NEED TO BE STABILIZED WITH NATIVE GRASS SEED WITH AGGREGATE MULCH OR EQUAL.

Symbol	Description	Legend	Description
● 38.00 FG	PROPOSED SPOT ELEVATIONS (FINISHED GRADE)	=====	GRADE BREAK—HIGH POINT
● MATCH (95.19)	MATCH EXISTING ELEVATIONS	-----	SWALE
TCO	TOP OF CONCRETE	-----SD-----	STORM DRAIN LINE
FL	FLOW LINE, CURB	-----5895-----	PROPOSED MAJOR CONTOUR
INV	INVERT	-----	PROPOSED MINOR CONTOUR
FG	FINISH GRADE	-----5895-----	EXISTING MAJOR CONTOUR
TBC	TOP OF BASE COURSE	-----	EXISTING MINOR CONTOUR
TC	TOP OF CURB	●	STORM DRAIN MANHOLE
TG	TOP OF GRATE		
TA	TOP OF ASPHALT		
➔	FLOW ARROW		

GRADE BREAK-HIGH POINT
SWALE
STORM DRAIN LINE
PROPOSED MAJOR CONTOUR
PROPOSED MINOR CONTOUR
EXISTING MAJOR CONTOUR
EXISTING MINOR CONTOUR
STORM DRAIN MANHOLE



5 SCALE: 1"=30'
CONTOUR INTERVAL = 1'



**ALBUQUERQUE
PUBLIC SCHOOLS**

ISSUE/REVISION	
No.	Description

PROJECT NUMBER:
Project Number

CAD DWG FILE:
DWL-NM_20_1611_MERIDIAN

DRAWN BY:
MEC

CHECKED BY:
VAM

SHEET TITLE:

ENLARGED GRADING
AND DRAINAGE
PLAN-NORTH
C-104



2 KEYED NOTES:

- 1 NEW BUS PARKING. SEE ARCHITECTURAL DRAWINGS.
- 2 NEW HEAVY DUTY HOT MIX ASPHALT PAVING. SEE DETAIL SHEET C-501.
- 3 NEW CONCRETE SIDEWALKS/FLATWORK. SEE ARCHITECTURAL DRAWINGS FOR DETAILS.
- 4 NEW CURB AND GUTTER SEE DETAIL SHEET C-501.
- 5 NEW RETAINING WALL. SEE STRUCTURAL.
- 6 PLACE CURB CUTS 50' N CENTER ALONG NEW CURB AND GUTTER IN THIS AREA.

3 KEYED NOTES:

- 7 NEW CONCRETE PAVING VALLEY GUTTER AND FILLET SEE DETAIL SHEET C-504.
- 8 NEW 3' WIDE CONCRETE VALLEY GUTTER SEE DETAIL SHEET C-501.
- 9 NEW PARARELL RAMPS SEE DETAIL SHEET C-505.

LEGEND:

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



A1 ENLARGED GRADING AND DRAINAGE PLAN-NORTH
SCALE: 1" = 30'

DWL ARCHITECTS
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FAX (505) 242-4159
W.EASTMAN@DWLNM.COM

VERLYN A. MILLER II
NEW MEXICO
14507
REGISTERED PROFESSIONAL ENGINEER
MAY, 2021

ALBUQUERQUE PUBLIC SCHOOLS
APS PROJECT NO: 910, LOCATION: 173
WEST SIDE BUS DEPOT
MERIDIAN BUSINESS PARK
ALBUQUERQUE, NM.

ALBUQUERQUE PUBLIC SCHOOLS

ISSUE/REVISION
No. Description Date

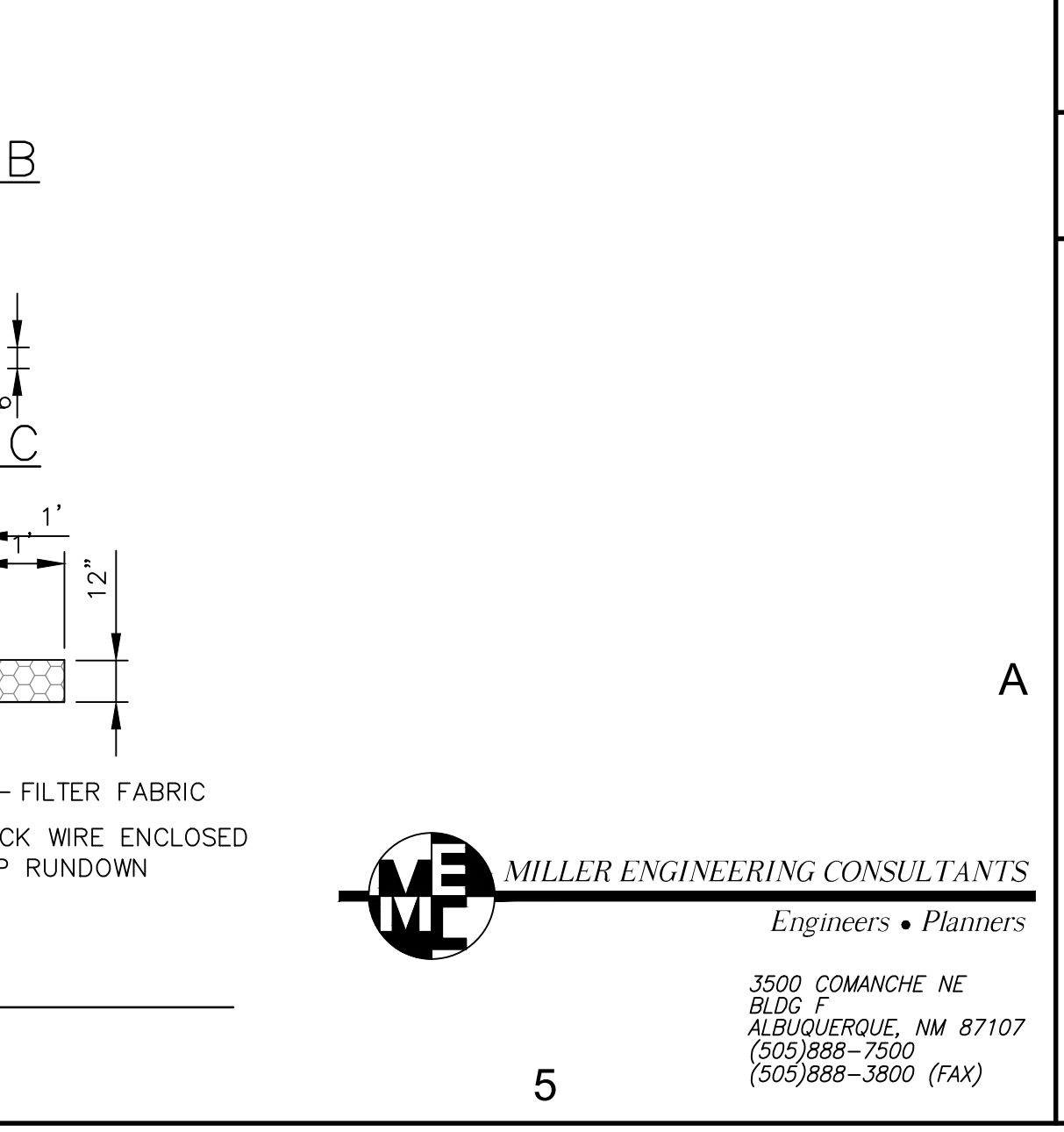
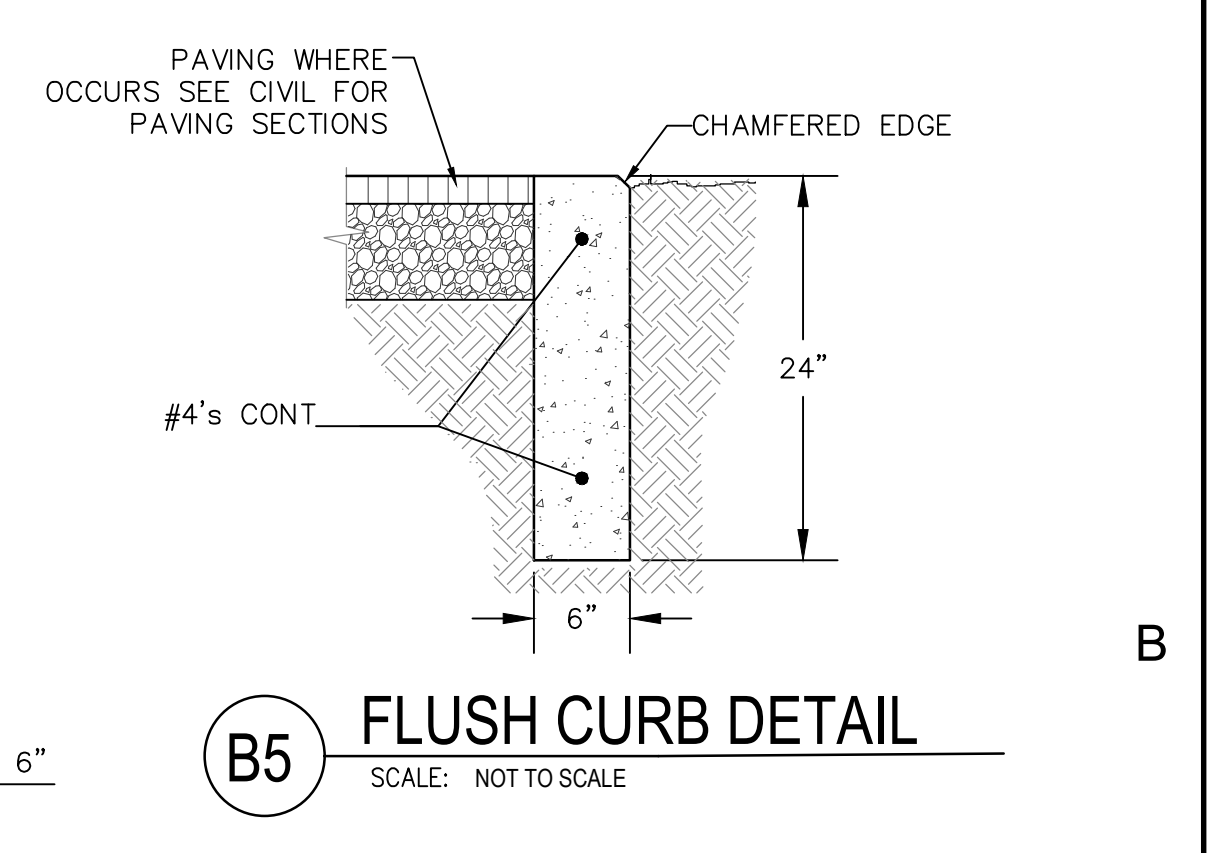
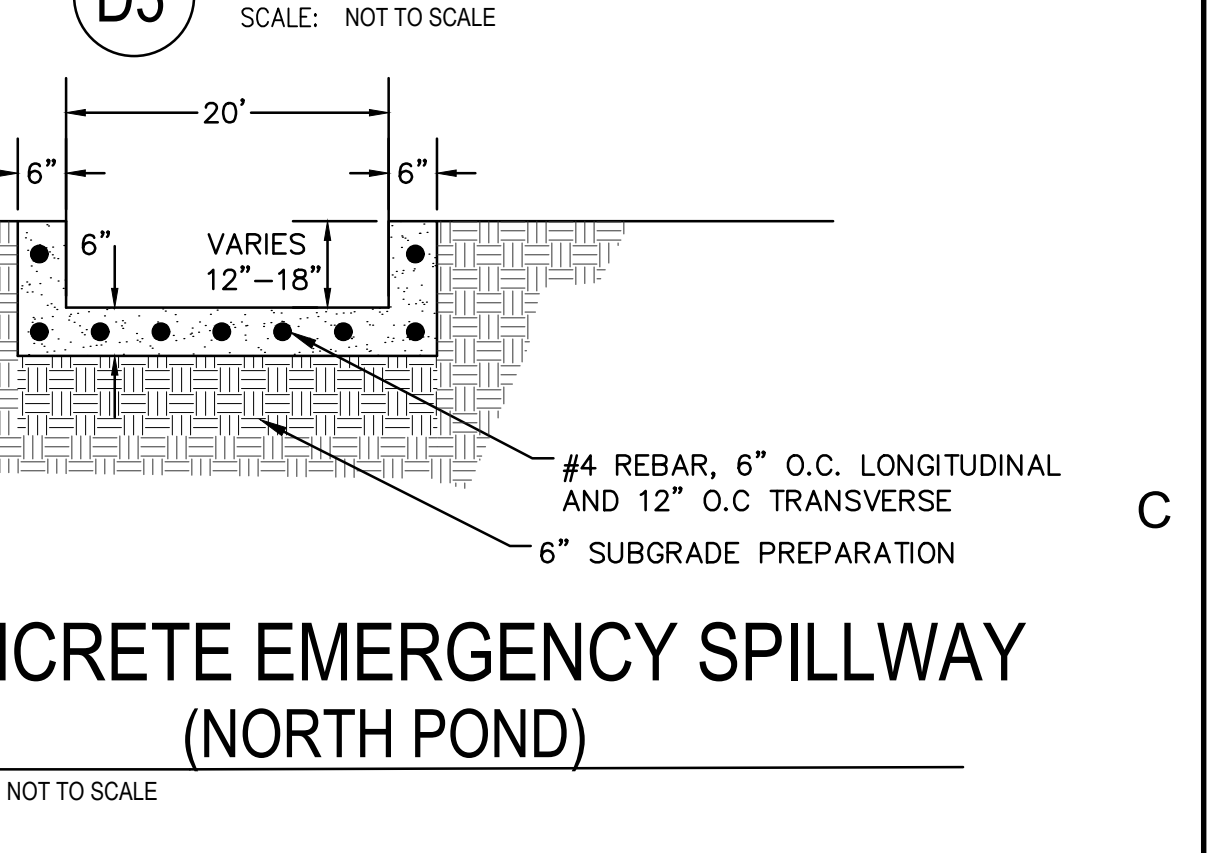
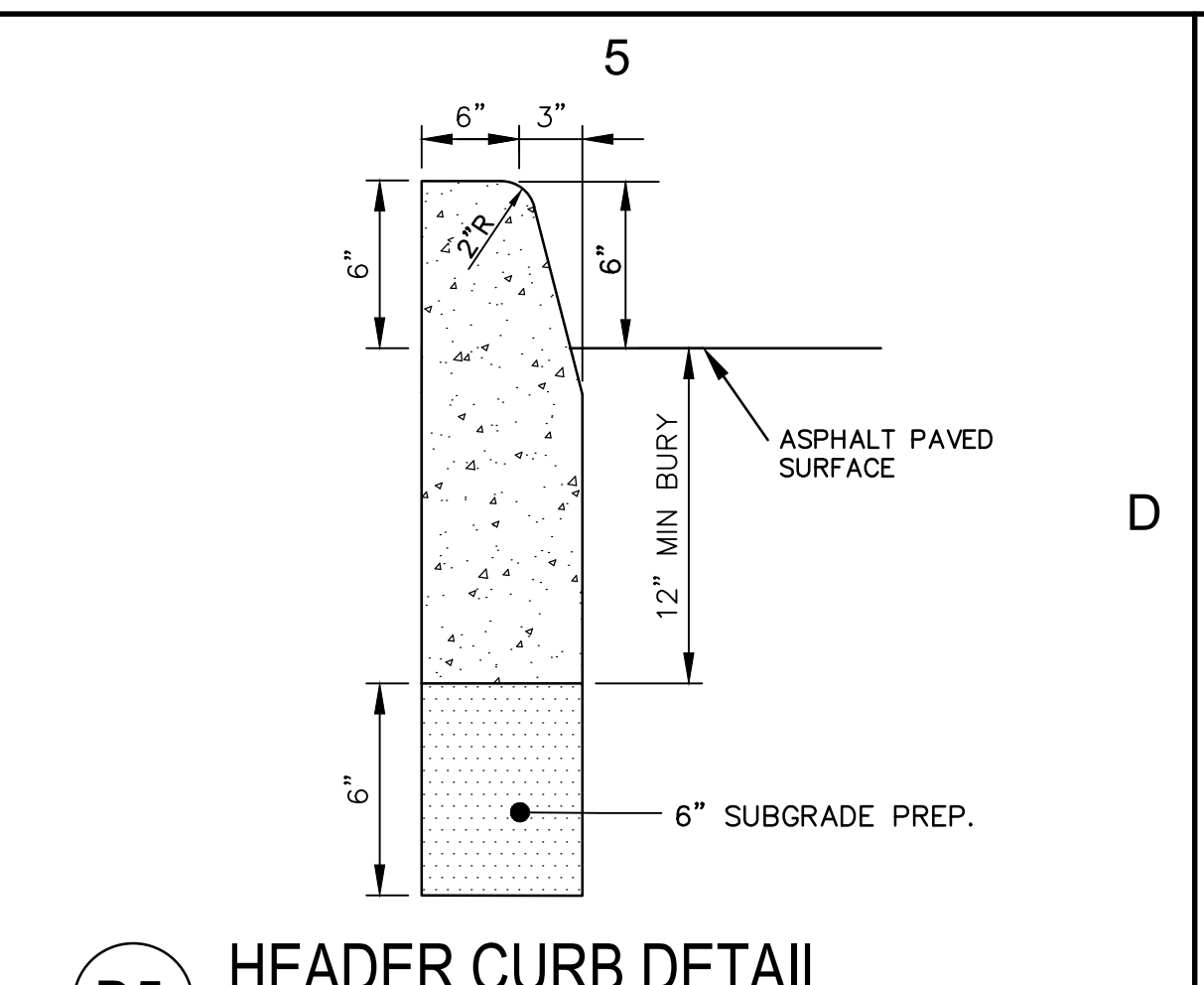
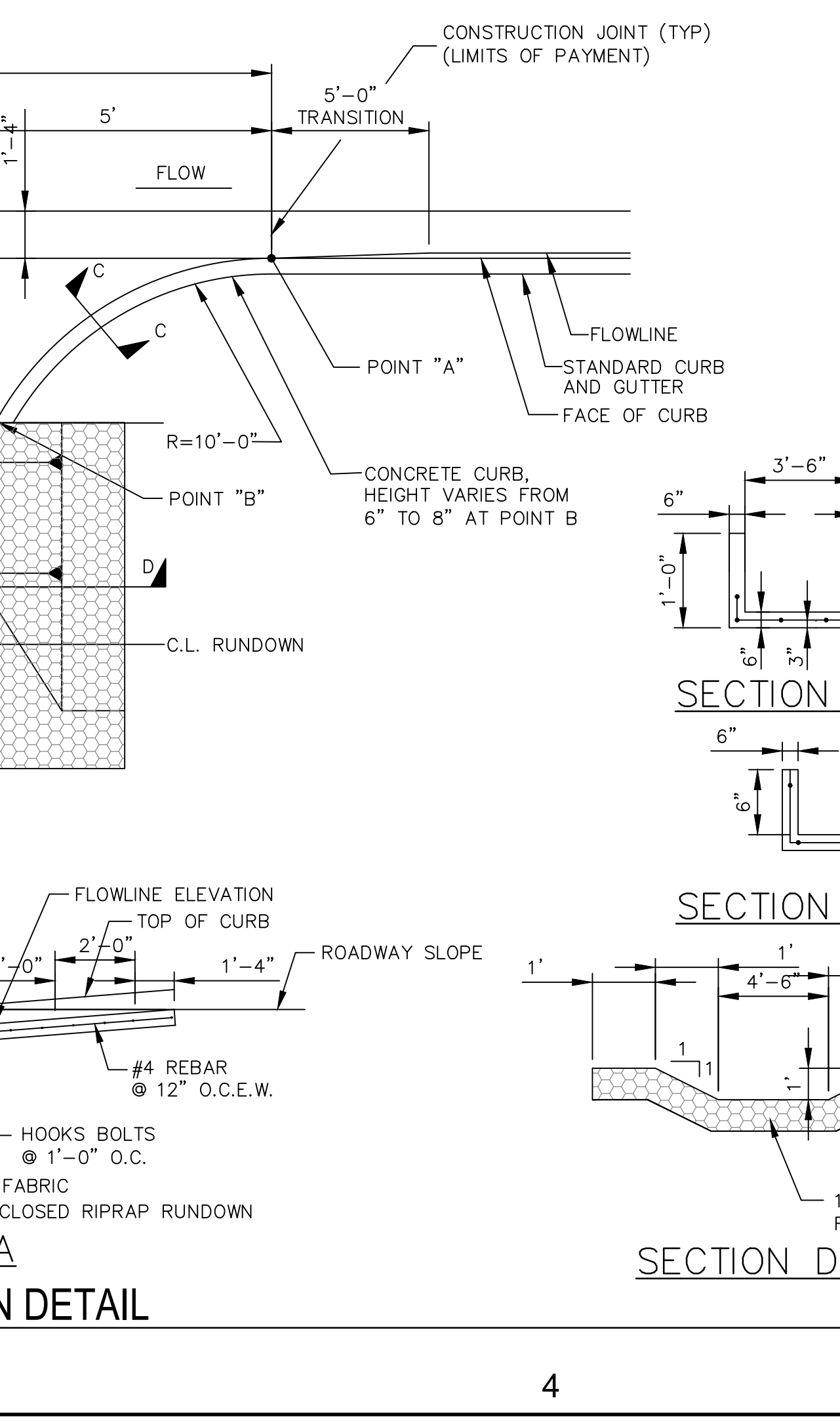
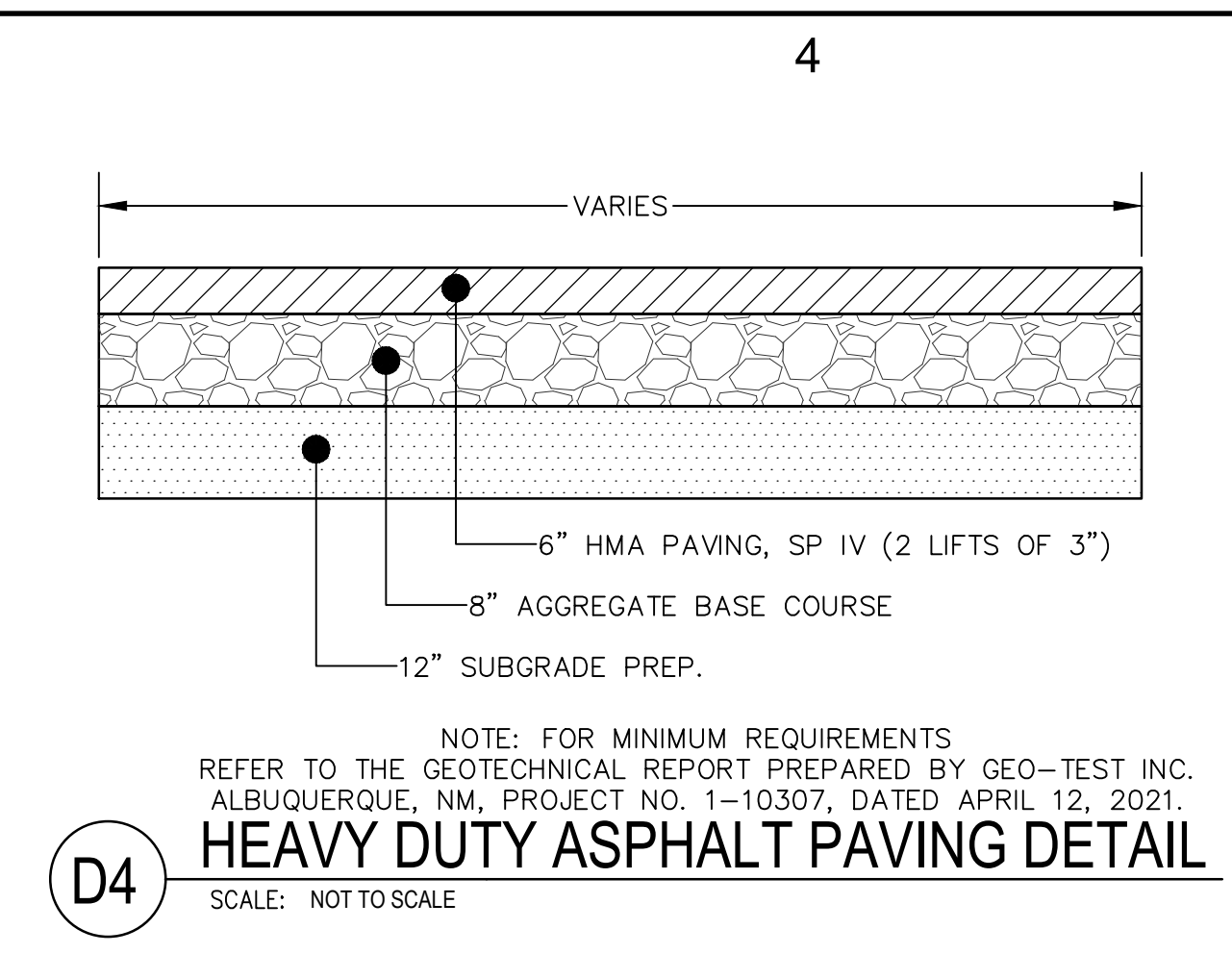
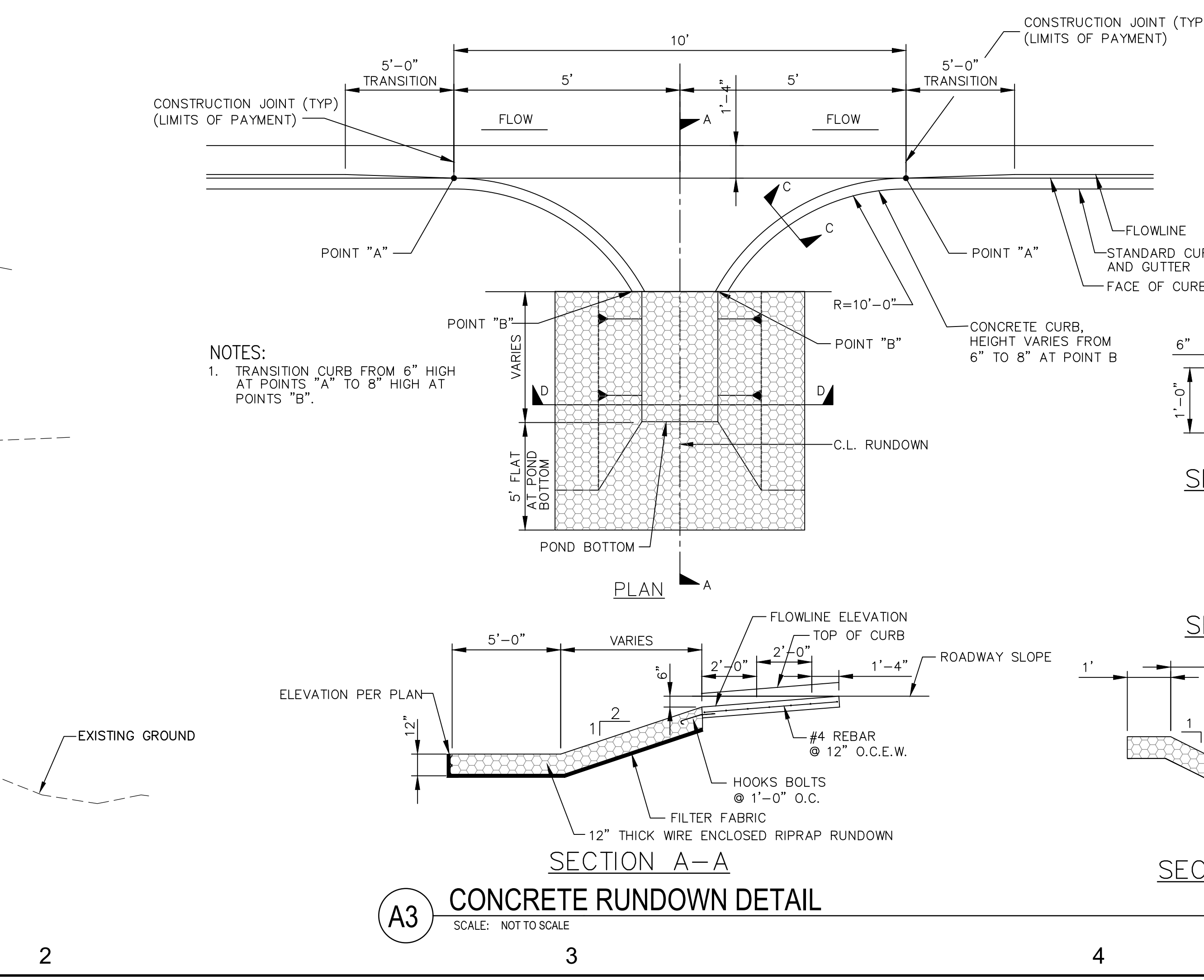
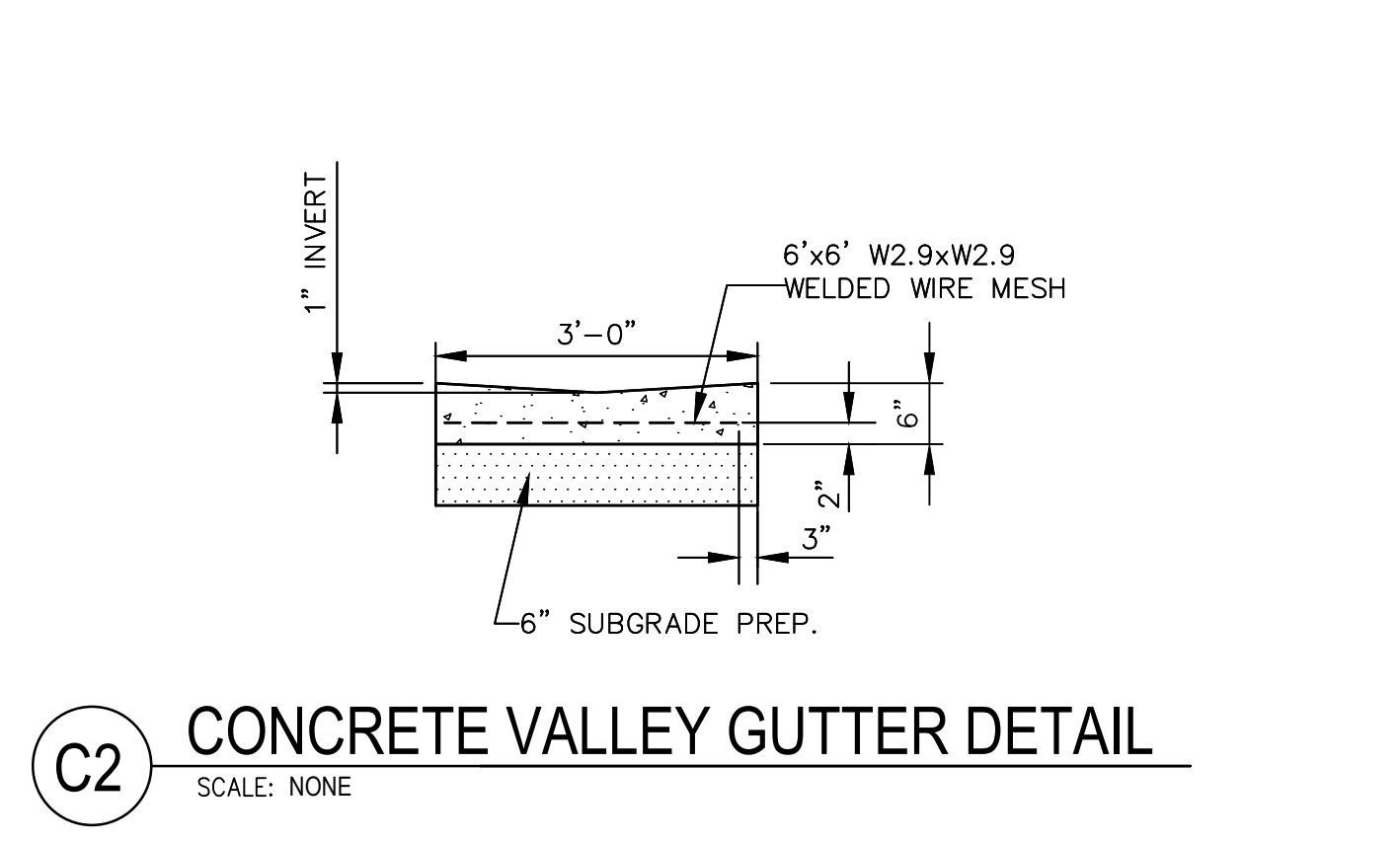
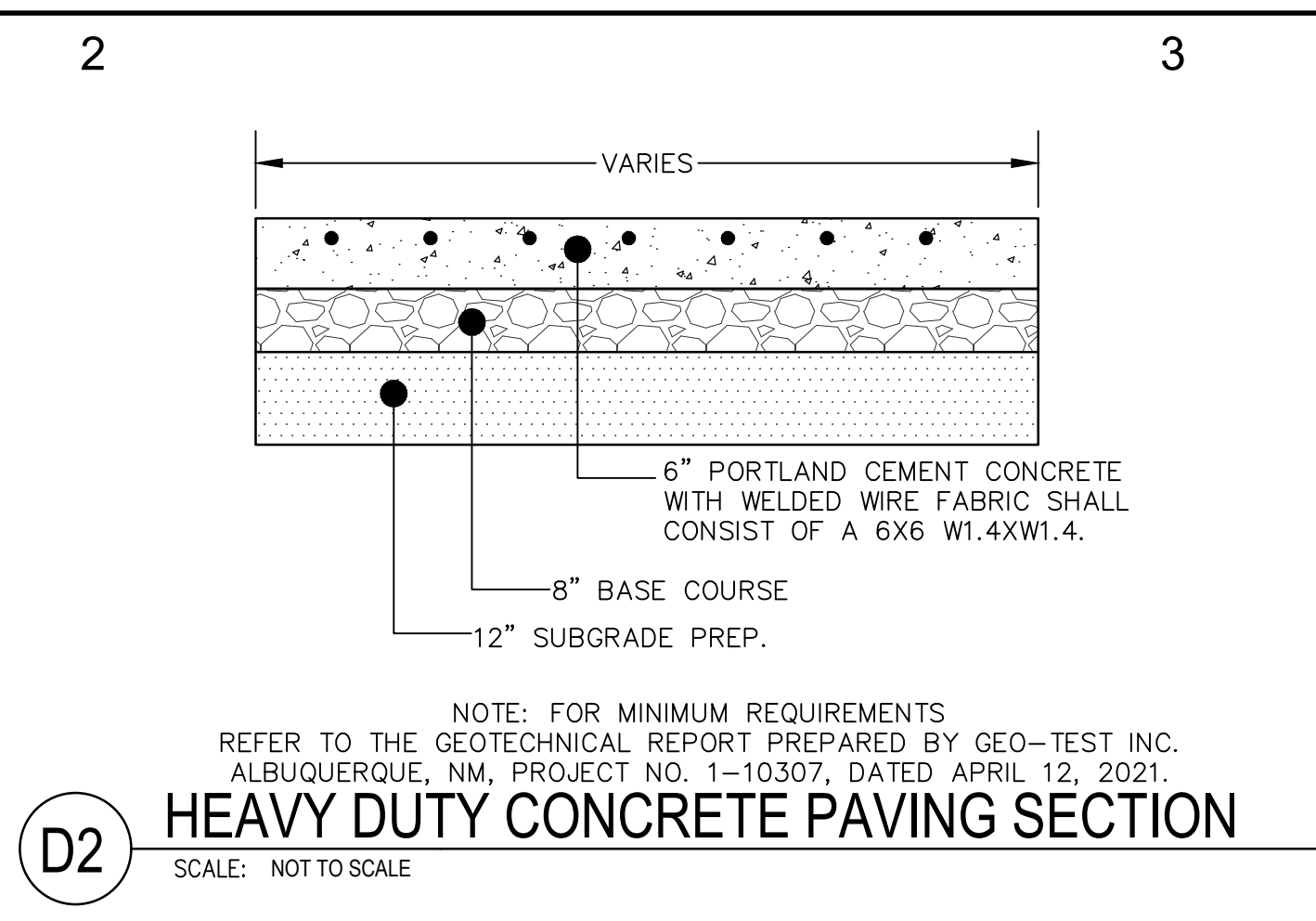
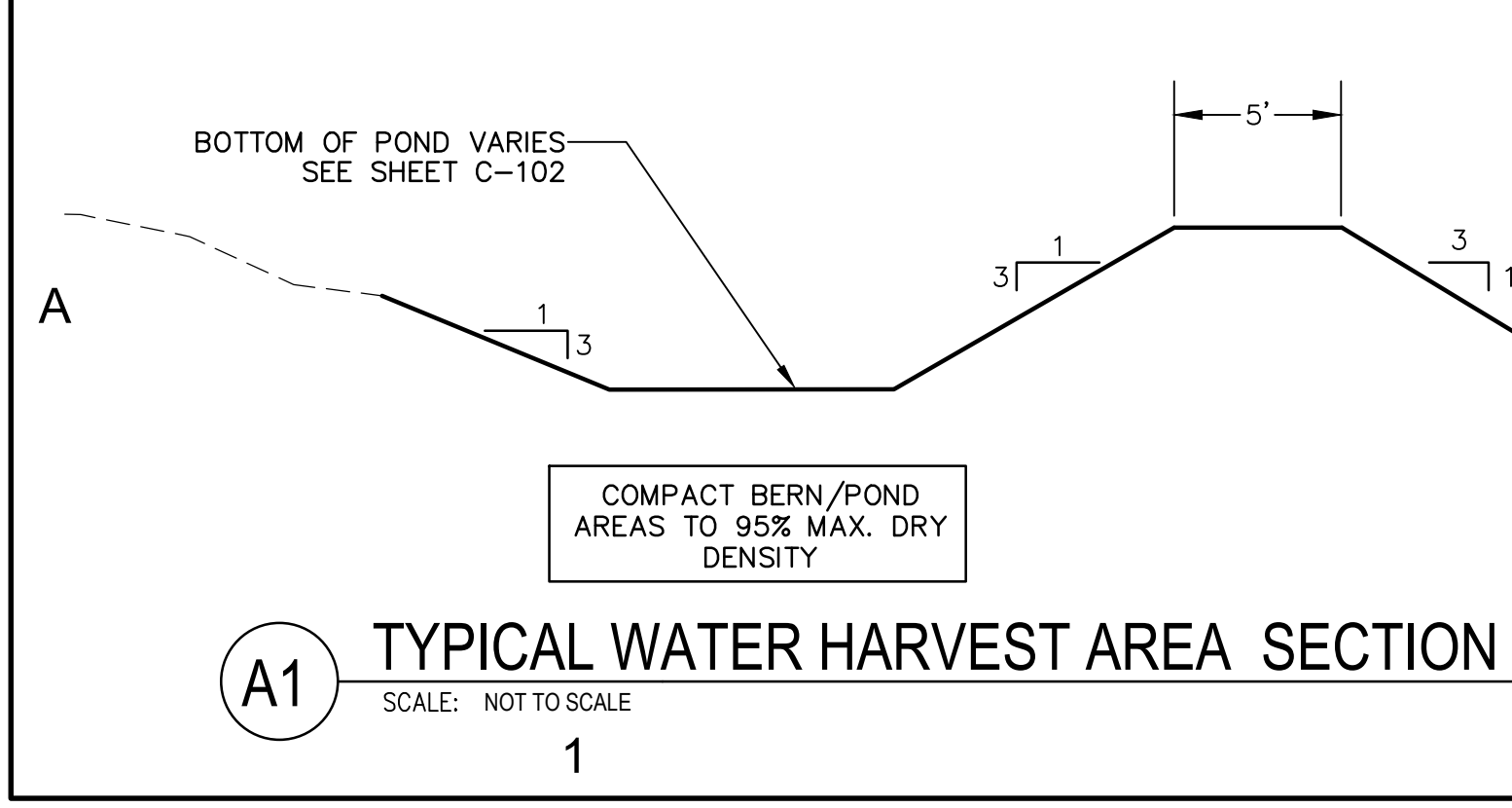
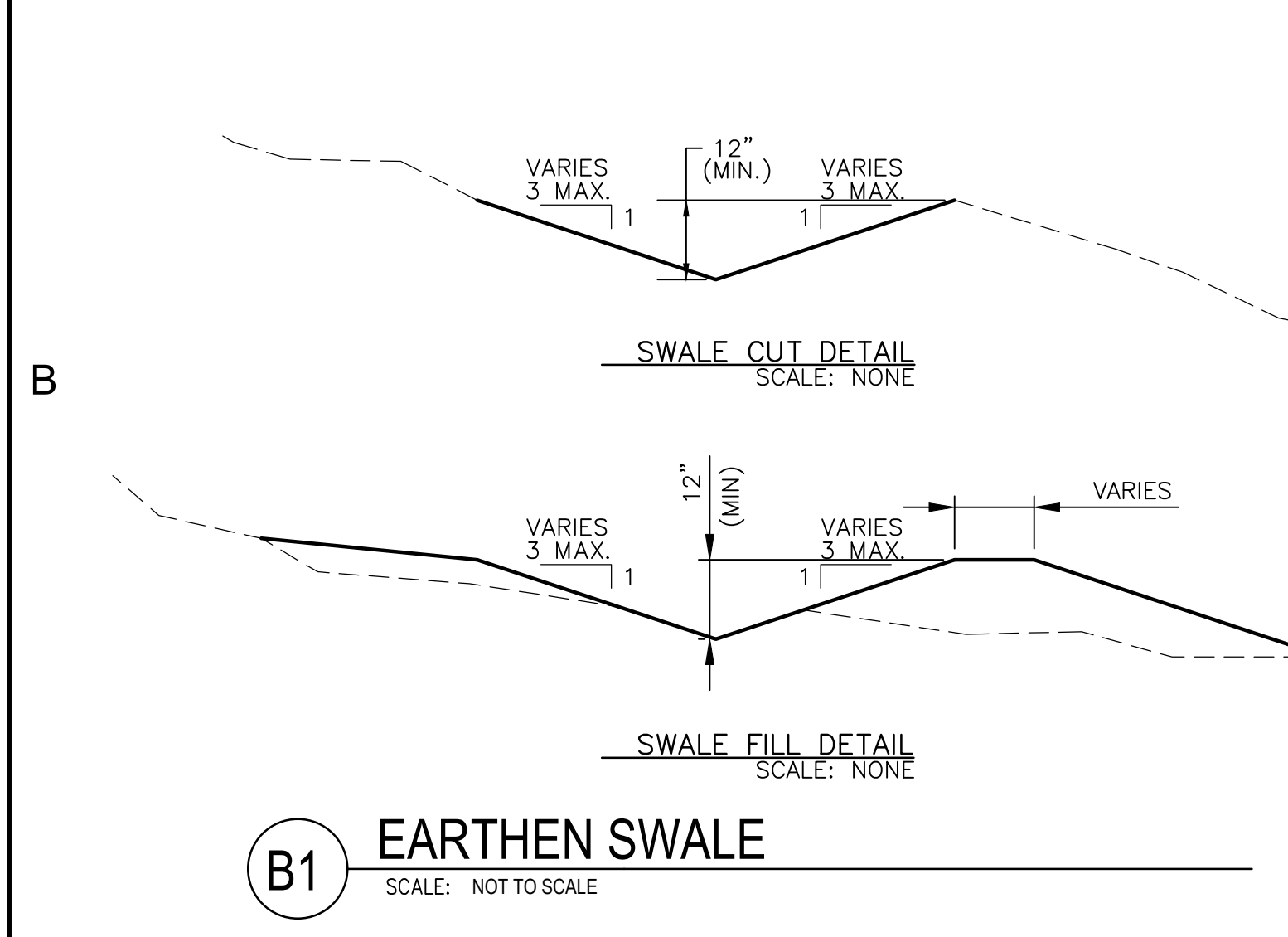
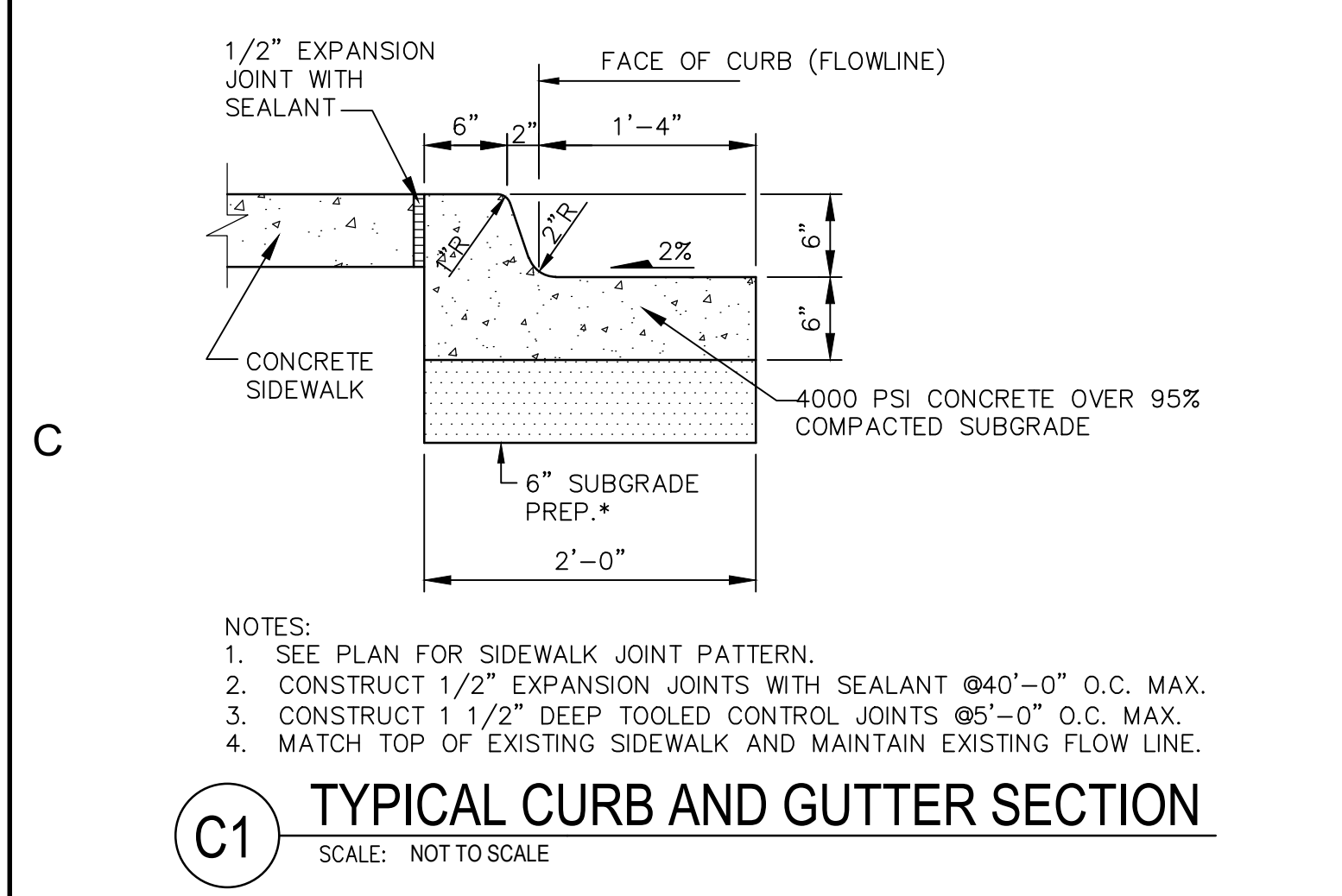
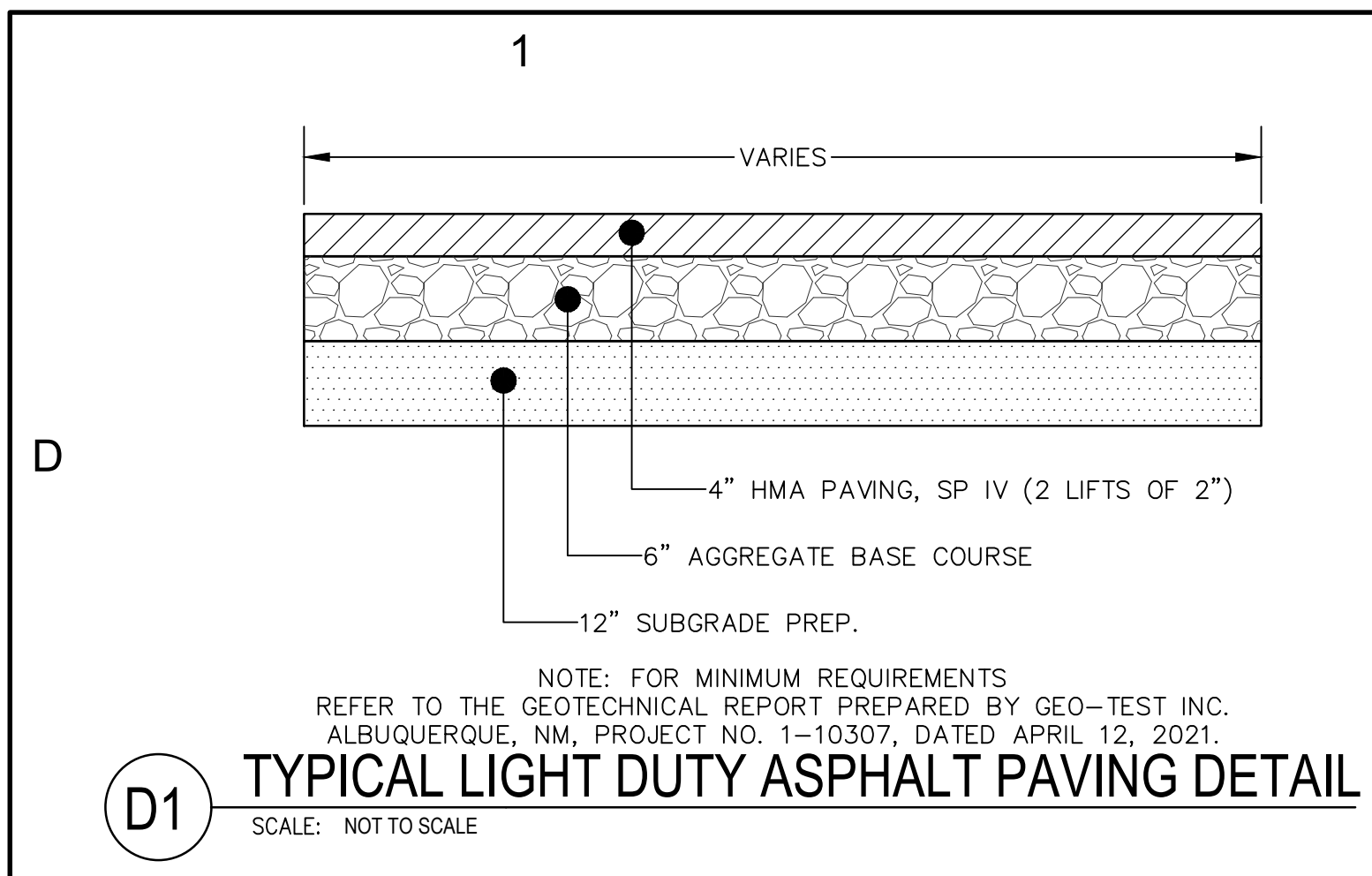
PROJECT NUMBER:
Project Number

CAD DWG FILE:
DWL-NM_20_1611_MERIDIAN

DRAWN BY:
MEC

CHECKED BY:
VAM

SHEET TITLE:
ENLARGED GRADING
AND DRAINAGE
PLAN-NORTH
C-105
OF SHEET



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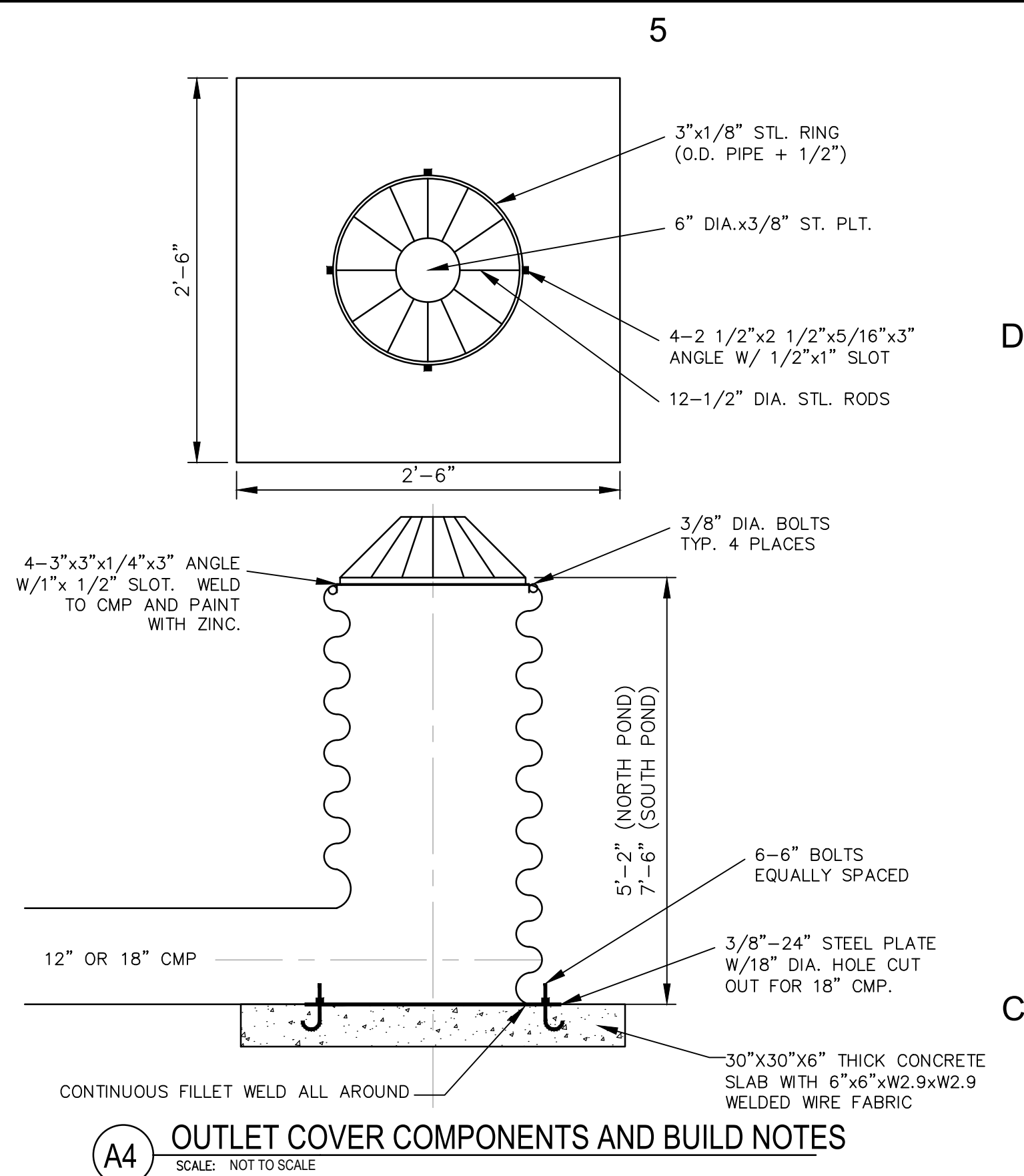
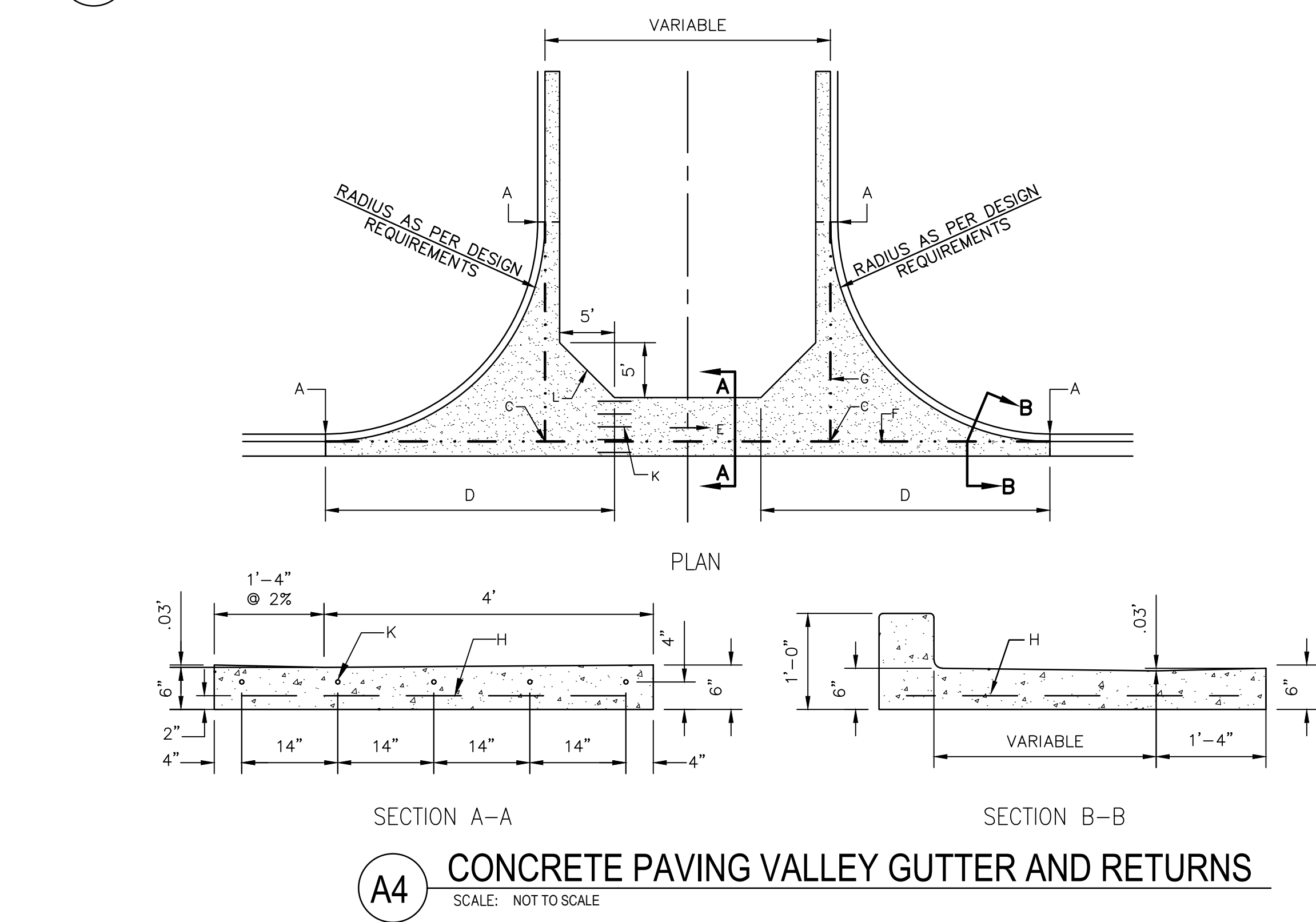
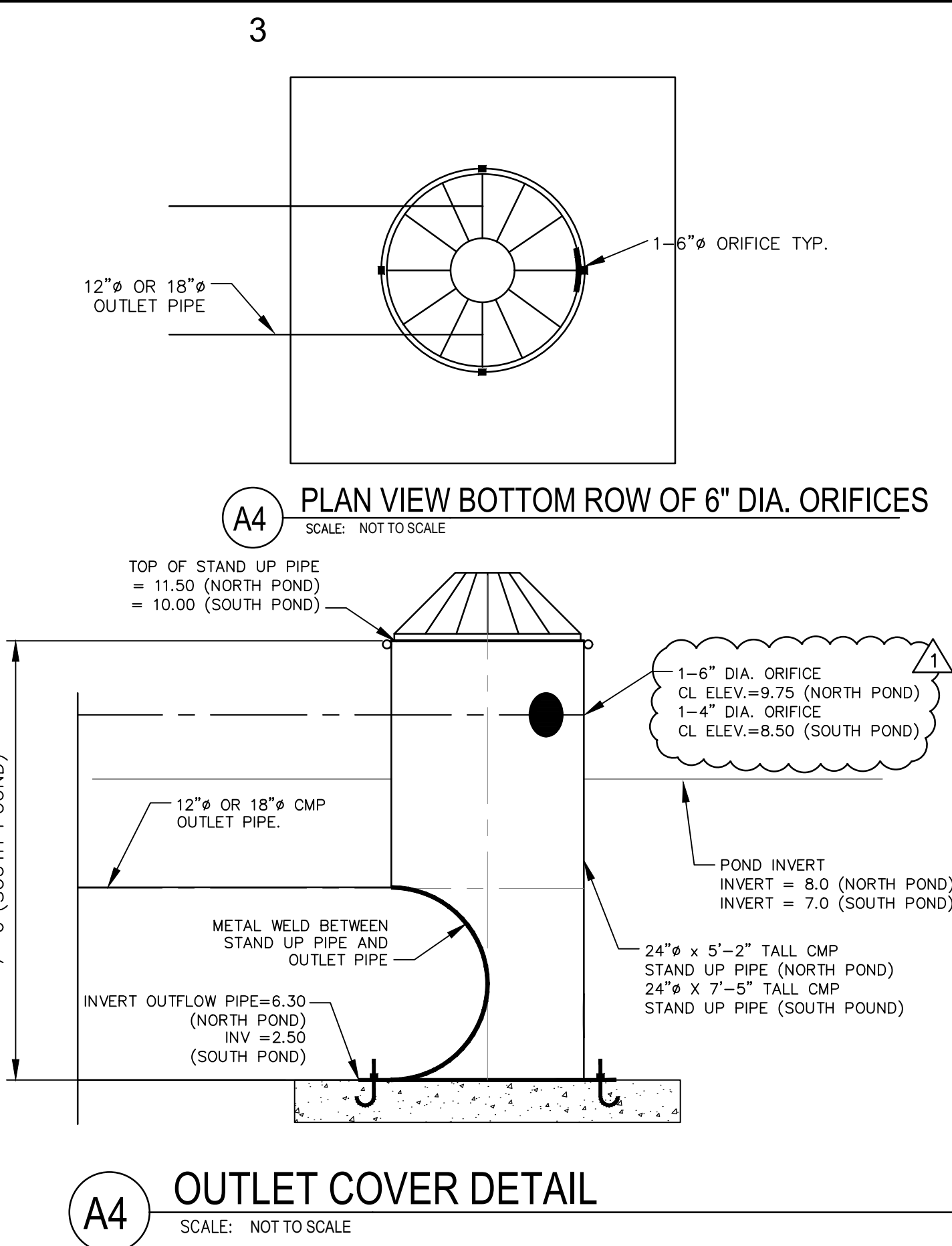
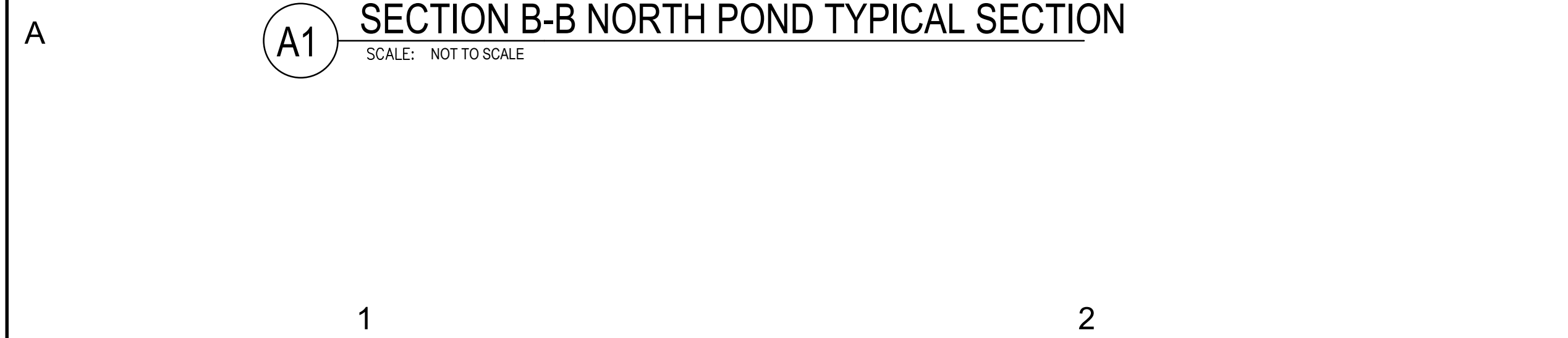
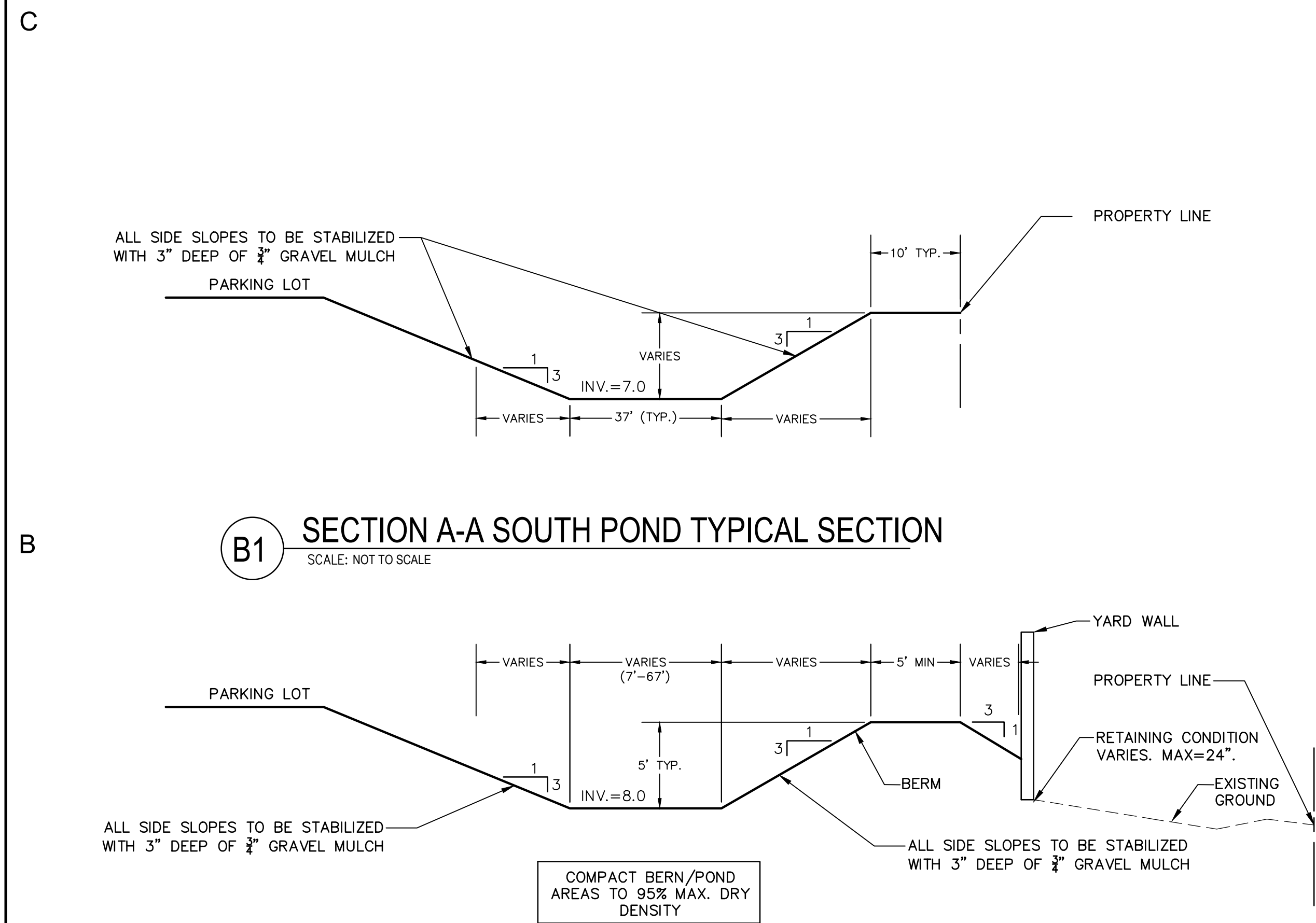
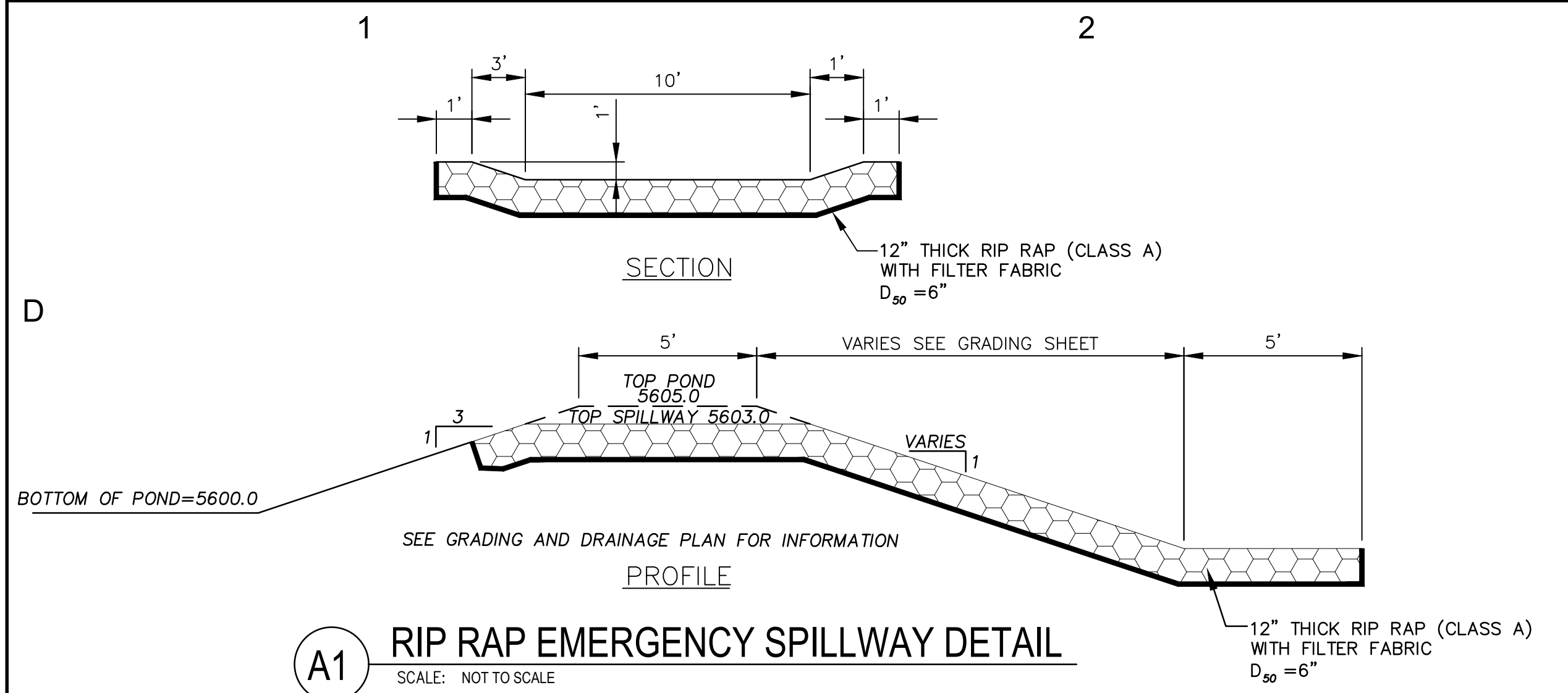
MAY, 2021

ALBUQUERQUE PUBLIC SCHOOLS
APS PROJECT NO: 910, LOCATION: 173
WEST SIDE BUS DEPOT
MERIDIAN BUSINESS PARK
ALBUQUERQUE, NM.

ISSUE/REVISION		
No.	Description	Date
PROJECT NUMBER: Project Number		
CAD DWG FILE: DWL-NM_20_1611_MERIDIAN		
DRAWN BY: MEC		
CHECKED BY: VAM		
SHEET TITLE: MISCELLANEOUS DETAILS		
C-501		

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GENERAL NOTES:

- DESIGN ELEVATIONS TO BE GIVEN AT EACH END OF THE CURB RETURN (TOP OF CURB ELEV.) AND AT INTERSECTIONS OF PROJECTED FLOWLINES (FLOWLINE ELEV.).
- ON UPSTREAM AND DOWNSTREAM ENDS OF THE INTERSECTION, VALLEY GUTTER CONSTRUCTION SHALL EXTEND TO THE END OF RETURNS.
- THE VALLEY GUTTER TO BE REINFORCED WITH 6"x6"xNo. 6 GA. WIRE MESH.
- INVERT OF VALLEY GUTTER TO EXTEND FROM FLOWLINE OF UPSTREAM CURB RETURN TO FLOWLINE OF DOWNSTREAM CURB RETURN.
- CURB FLOWLINE AND TOP OF CURB ELEV. SHOWN IN THE BOX TO CORRESPOND TO QUARTERPOINTS INDICATED ON THE CURB RETURN IN THE CLOCKWISE DIRECTION.
- DENOTES 1/2" EXPANSION JOINT.
- FOR NEW CONSTRUCTION, VALLEY GUTTER SHALL BE CONSTRUCTED PRIOR TO ADJACENT PAVEMENT. ASPHALT CONCRETE SHALL BE INSTALLED MONOLITHICALLY TO MEET NEW VALLEY GUTTER.
- PRIOR TO CONSTRUCTION OF NEW VALLEY GUTTER ON EXISTING ACCEPTED STREETS, PAVEMENT SHALL BE REMOVED AS SHOWN ON PLANS.

CONSTRUCTION NOTES:

- END OF CURB RETURN, SEE NOTE 1.
- FOR RAMP DETAILS SEE SHEET C-505
- INTERSECTION OF FLOWLINES, SEE NOTE 1.
- SURFACE AND CURB TO BE MONOLITHIC.
- DIRECTION OF FLOW.
- FLOWLINE.
- PROJECTED FLOWLINE OF 0.03' INVERT, SEE NOTE 2.
- 6"x6"x No. 6 GA. WIRE MESH.
- NO. 4 REBARS 3'-0" LONG @ 14" O.C.
- FILLET AS PER PLAN.



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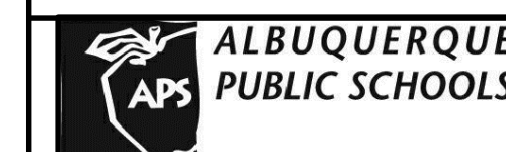


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MAY, 2021

ALBUQUERQUE PUBLIC SCHOOLS
APS PROJECT NO: 910, LOCATION: 173
WEST SIDE BUS DEPOT
MERIDIAN BUSINESS PARK
ALBUQUERQUE, NM.



ISSUE/REVISION		
No.	Description	Date
1.	Revised per DRC	08/03/2021
PROJECT NUMBER: Project Number		
CAD DWG FILE: DWL-NM_20_1611_MERIDIAN		
DRAWN BY: MEC		
CHECKED BY: VAM		
SHEET TITLE:		

MISCELLANEOUS
DETAILS

C-504

OF SHEET