

CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



Mayor Timothy M. Keller

April 6, 2021

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

**RE: Horizon Auto Glass & Tint
8310 San Pedro Dr. NE
Grading and Drainage Plan
Engineer's Stamp Date: 02/22/21
Hydrology File: C18D107**

Dear Mr. Miller:

PO Box 1293

Based upon the information provided in your submittal received 02/23/2021, the Grading & Drainage Plan is approved for Building Permit.

Albuquerque

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 approval in support of Permanent Release of Occupancy by Hydrology, Engineer Certification per the DPM checklist will be required.

NM 87103

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

Also, the Payment-in-Lieu of \$ **6,591.20** must be paid prior to Hydrology's Permanent Release of Occupancy approval. Due to COVID-19, please follow the instructions:

Please use the attached City of Albuquerque Treasury Deposit form and when ready please email this form to Shannon Cordero (sdcordero@cabq.gov). She will then produce and email back with a receipt and instructions on how to pay online. Once paid, please email me proof of payment. This will insure that Hydrology will be able to process Permanent Release of Occupancy approval when officially submitted.

CITY OF ALBUQUERQUE

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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 6/2018)

Project Title: Horizon Glass **Building Permit #:** _____ **Hydrology File #:** _____
DRB#: _____ **EPC#:** _____ **Work Order#:** _____
Legal Description: Lot 1, Block 33 of North Albuquerque Acres Tract A Unit 8
City Address: 8310 San Pedro Dr. NE, Albuquerque, NM 87113

Applicant: Horizon Auto Glass & Tint **Contact:** Laura & Rod Williams
Address: 8201 Menaul Blvd. NE, Albuquerque, NM 87110
Phone#: 505-897-9000 **Fax#:** _____ **E-mail:** _____

Other Contact: Miller Engineering Consultants **Contact:** Verlyn Miller, P.E.
Address: 3500 Comanche NE, Bldg. F, Albuquerque, NM 87107
Phone#: 505-888-7500 **Fax#:** 505-888-3800 **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:

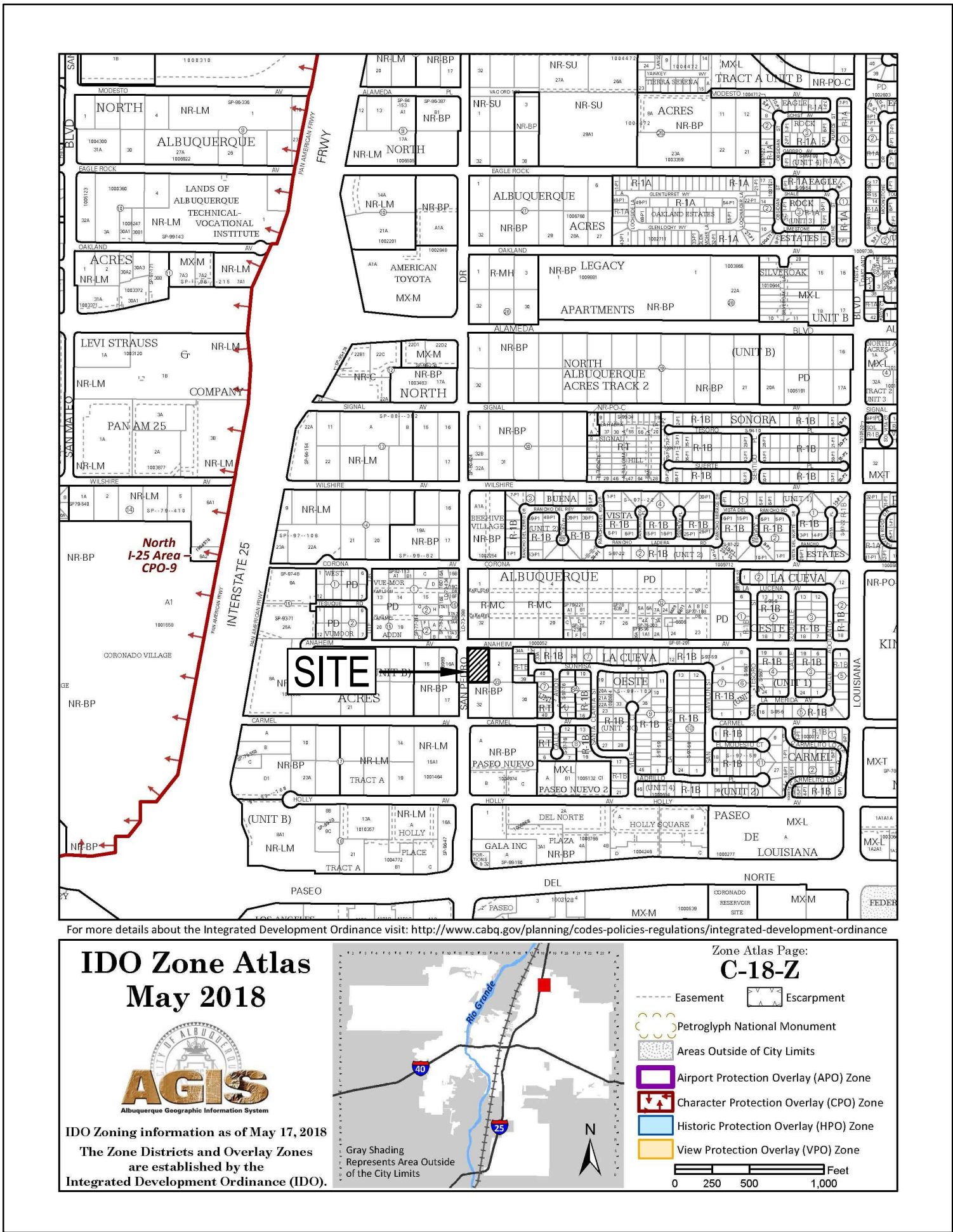
- ☒ BUILDING PERMIT APPROVAL
- ☐ CERTIFICATE OF OCCUPANCY
- ☐ PRELIMINARY PLAT APPROVAL
- ☐ SITE PLAN FOR SUB'D APPROVAL
- ☐ SITE PLAN FOR BLDG. PERMIT APPROVAL
- ☐ FINAL PLAT APPROVAL
- ☐ SIA/ RELEASE OF FINANCIAL GUARANTEE
- ☐ FOUNDATION PERMIT APPROVAL
- ☐ GRADING PERMIT APPROVAL
- ☐ SO-19 APPROVAL
- ☐ PAVING PERMIT APPROVAL
- ☐ GRADING/ PAD CERTIFICATION
- ☐ WORK ORDER APPROVAL
- ☐ CLOMR/LOMR
- ☐ FLOODPLAIN DEVELOPMENT PERMIT
- ☐ OTHER (SPECIFY) _____

DATE SUBMITTED: 2/23/21 **By:** Verlyn A. Miller, P.E.

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____

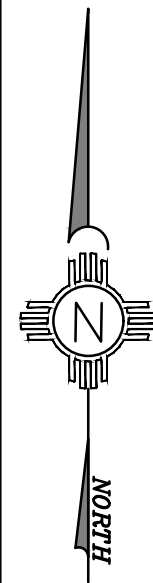


SITE LOCATION
THE PROPOSED SITE IS LOCATED ON THE SOUTHEAST CORNER OF SAN PEDRO DRIVE AND ANAHEIM AVENUE NE. THE SITE CURRENTLY CONSISTS OF A VACANT LOT WITH NO DEVELOPMENT. THE SITE IS BOUND BY ANAHEIM AVENUE ON THE NORTH SIDE, SAN PEDRO DRIVE ON THE WEST SIDE, AN EXISTING COMMERCIAL DEVELOPMENT ON THE EAST SIDE AND THE SOUTH SIDE. THE PROPOSED DEVELOPMENT WILL INCLUDE A NEW COMMERCIAL BUILDING.

EXISTING CONDITIONS
THE EXISTING SITE IS CURRENTLY UNDEVELOPED AND IS COVERED WITH SPARSE VEGETATIVE COVER. THE LACK OF VEGETATION SUGGESTS THAT THE SITE IS EXPERIENCING DISTURBANCE FROM HUMAN ACTIVITY. EXISTING STORM WATER FLOWS WILL SHEET FLOW FROM EAST TO WEST.

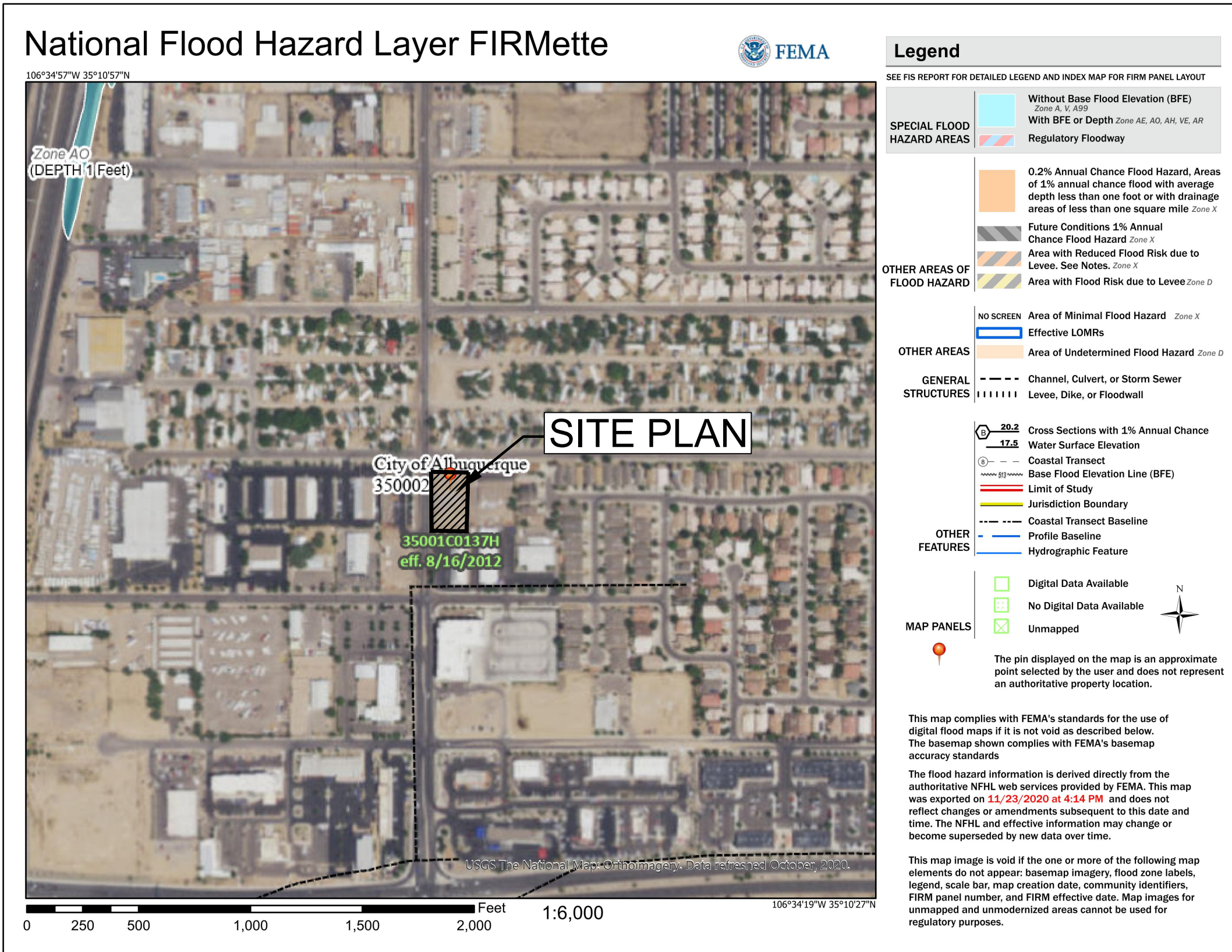
PROPOSED CONDITIONS
THE PROPOSED IMPROVEMENTS WILL INCLUDE A COMMERCIAL BUILDING, DRIVEWAY, ASSOCIATED PARKING, AND CONCRETE HARDSCAPE. DRAINAGE FROM THE SITE WILL BE ROUTED THROUGH THE SITE TO ITS HISTORICAL LOCATION.

CONCLUSION
THE INCREASED RUNOFF FROM THE PROPOSED BUILDING ADDITION IS ESTIMATED AT 0.08 ACRE-FEET AND 1.83 CFS DURING THE 100-YEAR EVENT. THE MAJORITY OF THE INCREASED RUNOFF FROM THE PROPOSED PROJECT WILL BE DISCHARGED INTO THE RIGHT OF WAY WEST OF THE SITE. THE MAJORITY OF THE ROOF DRAINAGE AND PROPOSED ASPHALT PARKING AREAS WILL DISCHARGE INTO THE RIGHT OF WAY LOCATED TO THE WEST SIDE OF THE PROJECT SITE. DUE TO THE RIGHT OF WAY TAKE BY THE CITY THERE IS MINIMAL PONDING AVAILABLE ON THE SITE. A SMALL WATER HARVEST FEATURE HAS BEEN ADDED NEAR THE SW CORNER OF THE SITE. THE OWNER IS PREPARED TO PAY A FEE IN LIEU OF FIRST FLUSH PONDING.



D4 VICINITY MAP

SCALE: NOT TO SCALE



D4 FLOOD ZONE MAP

SCALE: NOT TO SCALE

35001C0137H

HYDROLOGY CALCULATIONS

HYDROLOGY										
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	0.63	0.63	0.00	0.00	0.00	0.66	0.035	0.035	1.18	
Total	0.63								1.18	
Proposed Conditions										
SITE	0.63	0.00	0.00	0.10	0.53	2.19	0.115	0.137	3.01	
Total	0.63								3.01	

NOTE: TOTAL SITE AREA AFTER RIGHT OF WAY TAKE.

STORM WATER CALCULATIONS

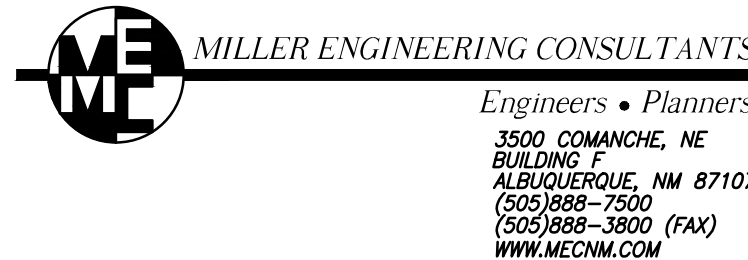
VFF = (23,540 SF * 0.42") / 12)

VFF = 823.9 CF

VOLUME PROVIDED 0.0AF = 0.0 CF*

* OWNER W PAY FEE IN LIEU OF PONDING.

* \$8/CF * 823.9 CF = \$6,591.20



relevant design solutions

ARCHIS design

4700 LINCOLN RD NE, SUITE 102 D
ALBUQUERQUE, NEW MEXICO 87109
(505) 998-7717 www.archisdesign.net

HORIZONGLOSS
NEW BUILDING
8310 SAN PEDRO DRIVE NE
ALBUQUERQUE, NEW MEXICO

Project No.
012119

Issue Date:
February 4, 2021

Revisions:

Date:

#

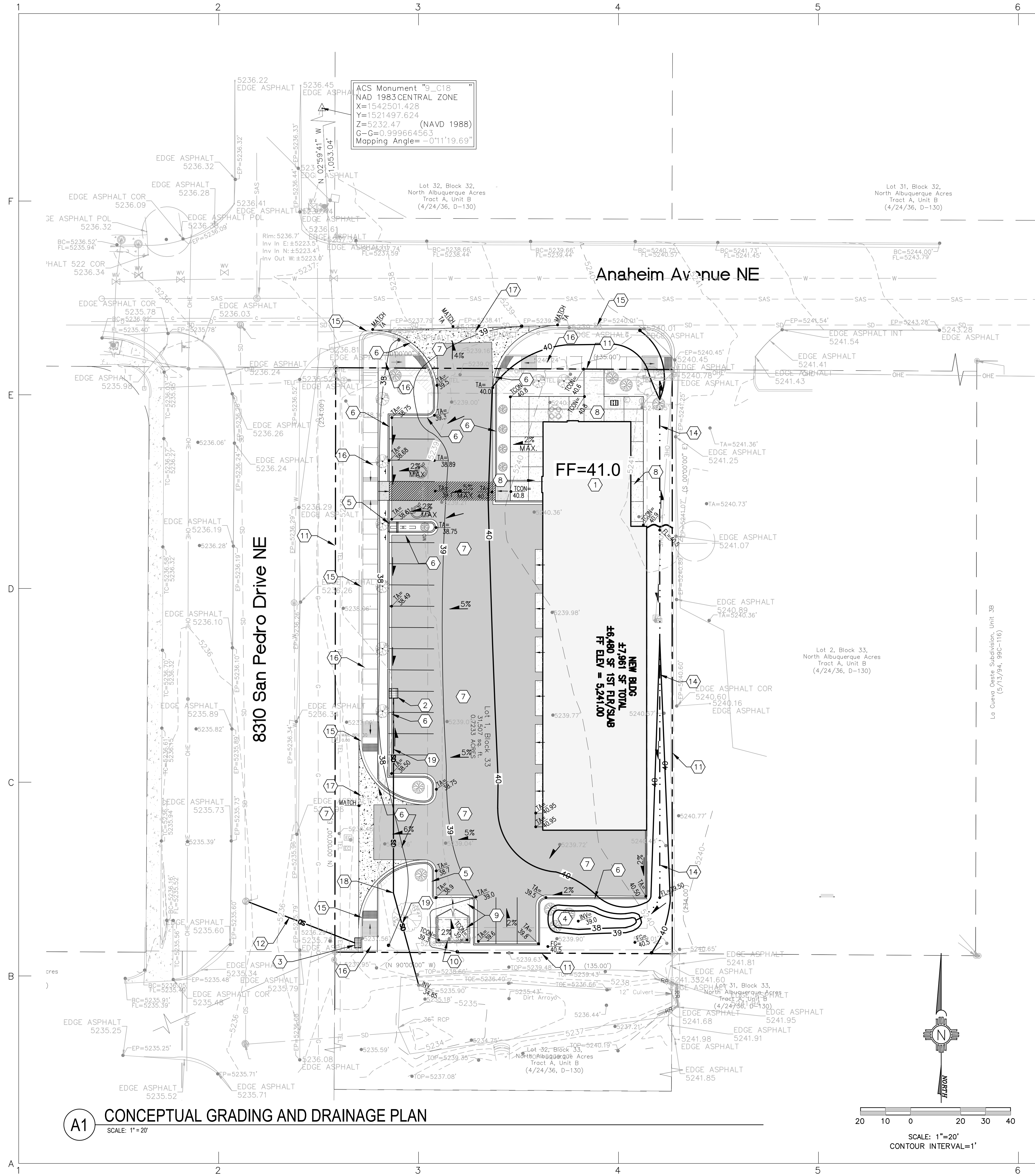
Sheet Title:

Hydrology
Report

Sheet No.

C-100

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LEGEND:

38.00 FG	PROPOSED SPOT ELEVATIONS (FINISHED GRADE)	=====	GRADE BREAK-HIGH POINT
95.19 MATCH	MATCH EXISTING ELEVATIONS	-----	SWALE
TCOR	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	-----5895-----	TOP OF CUT SLOPE
TG	TOP OF GRATE	-----5895-----	HIGH POINT
TA	TOP OF ASPHALT	-----5895-----	
Flow Arrow	FLOW ARROW	-----5895-----	

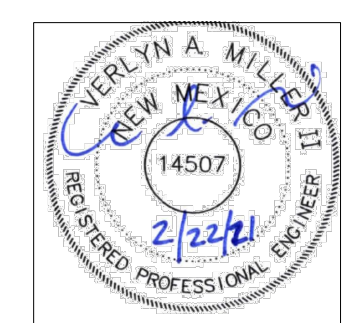
KEYED NOTES

1. PROPOSED NEW BUILDING SEE ARCHITECTURAL DRAWINGS.
2. NEW TYPE "D" SD INLET. TG=38.3, INV=36.0.
3. FUTURE TYPE "C" SD INLET.
4. NEW WATER HARVEST AREA, INV=39.
5. NEW 3" CONCRETE CHANNEL.
6. NEW CURB AND GUTTER.
7. NEW HOT MIX ASPHALT PAVING (HMA).
8. NEW SIDEWALK/FLATWORK, SEE ARCHITECTURAL DRAWINGS.
9. NEW HEAVY DUTY CONCRETE PAVING.
10. NEW TRASH ENCLOSURE, SEE ARCHITECTURAL DRAWINGS.
11. APPROXIMATE LOCATION OF PROPERTY LINE.
12. FUTURE 18" SD PIPE.
13. NEW 3' CURB CUT. PER COA STD DWG #2415A.
14. NEW EARTHEN SWALE, SEE SHEET C-501 FOR DETAILS.
15. FUTURE CURB AND GUTTER, PER COA STD DWG #2415A.
16. FUTURE SIDEWALK, PER COA STD DWG #2430.
17. CONCRETE VALLEY GUTTER AND FILLETS PER COA DWG. #2420. COORDINATE WITH CITY INFRASTRUCTURE PROJECT.
18. 12" SD PIPE BEND.
19. 115 LF OF 12" SD PIPE @ 1% MIN. SLOPE.

A1 CONCEPTUAL GRADING AND DRAINAGE PLAN

SCALE: 1"=20'

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



ME MILLER ENGINEERING CONSULTANTS
Engineers • Planners
3000 COMANCHE, NE
ALBUQUERQUE, NM 87109
(505) 888-7500
(505) 888-3800 (FAX)
WWW.MECNM.COM

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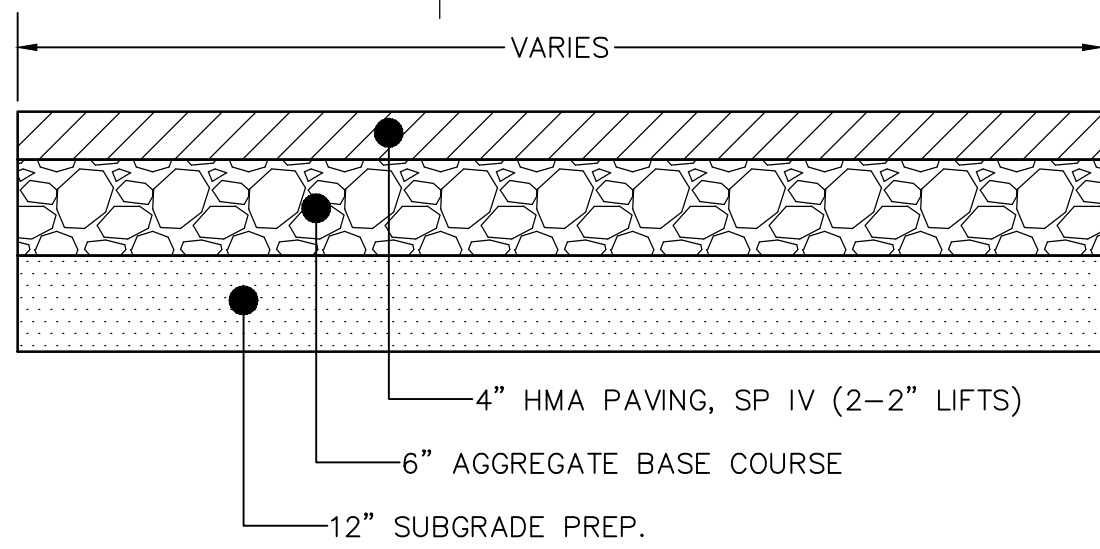
Revisions:					
Date:					

Sheet Title:
Conceptual
Grading and
Drainage Plan

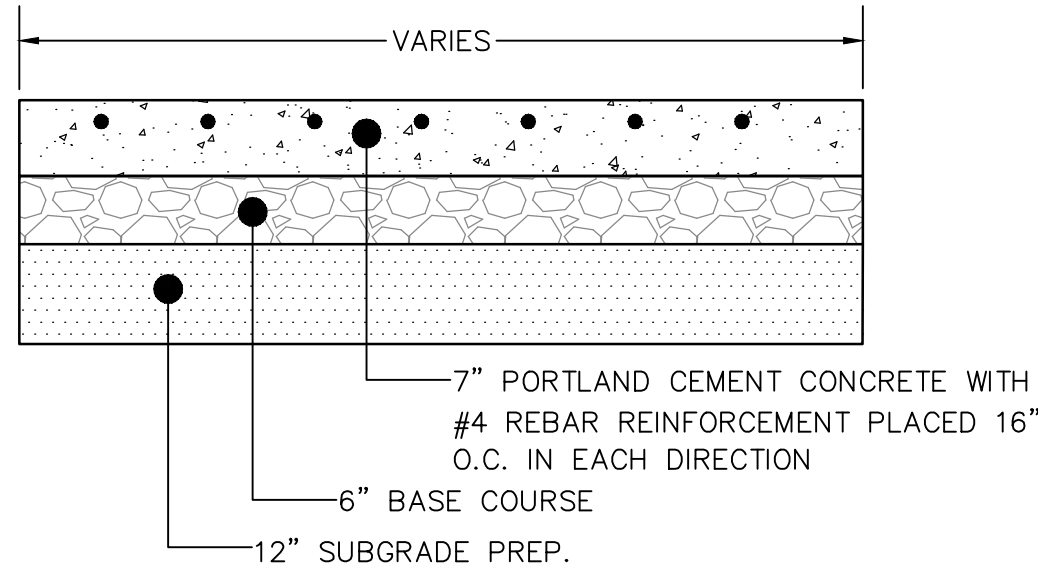
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E2 HEAVY DUTY ASPHALT PAVING DETAIL
SCALE: NOT TO SCALE

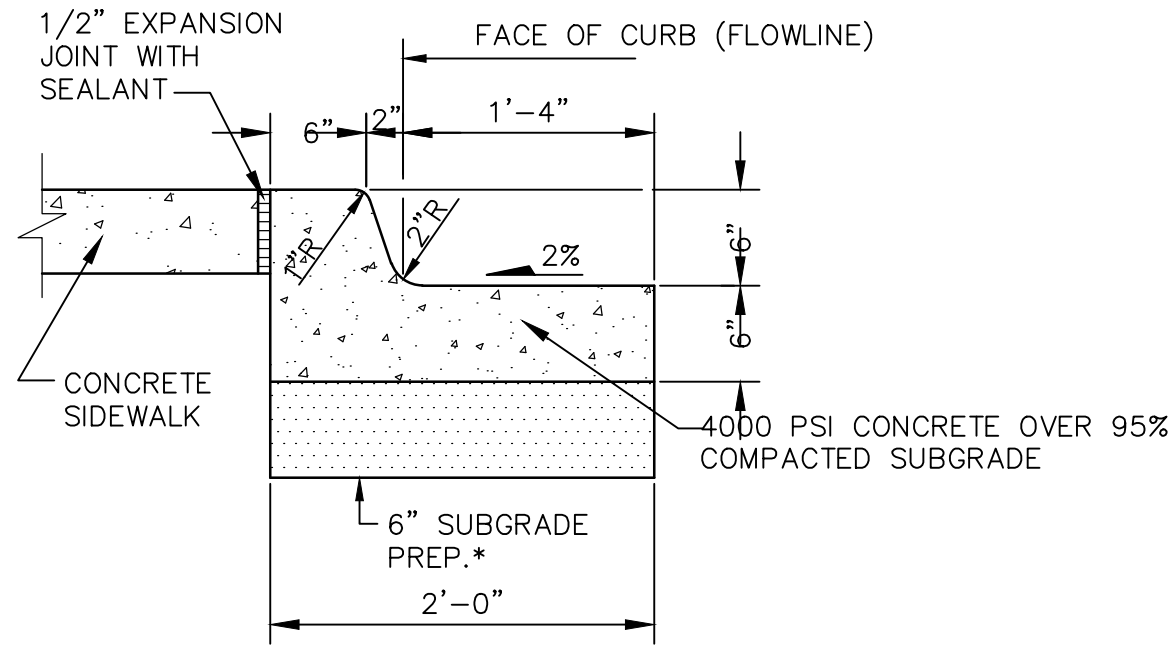


D2 HEAVY DUTY CONCRETE PAVING SECTION
SCALE: NOT TO SCALE

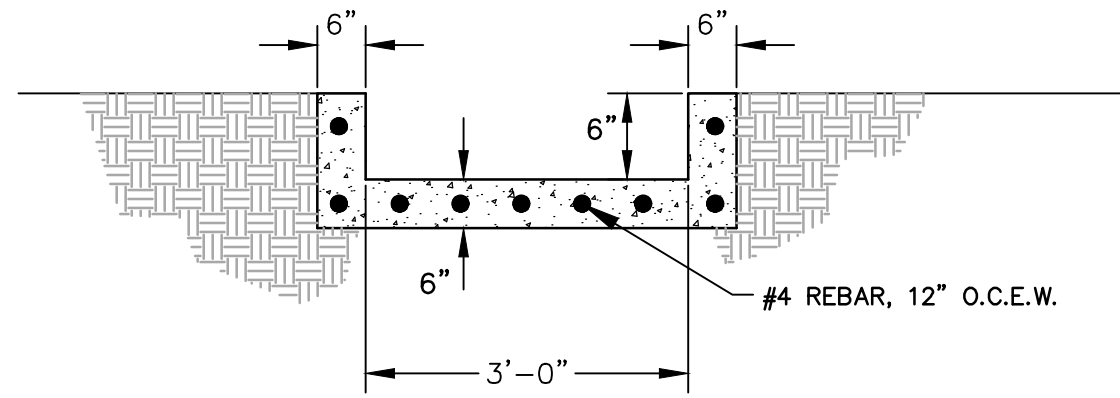


- NOTES:
- SEE PLAN FOR SIDEWALK JOINT PATTERN.
 - CONSTRUCT 1/2" EXPANSION JOINTS WITH SEALANT @40'-0" O.C. MAX.
 - CONSTRUCT 1 1/2" DEEP TOOLED CONTROL JOINTS @5'-0" O.C. MAX.
 - MATCH TOP OF EXISTING SIDEWALK AND MAINTAIN EXISTING FLOW LINE.

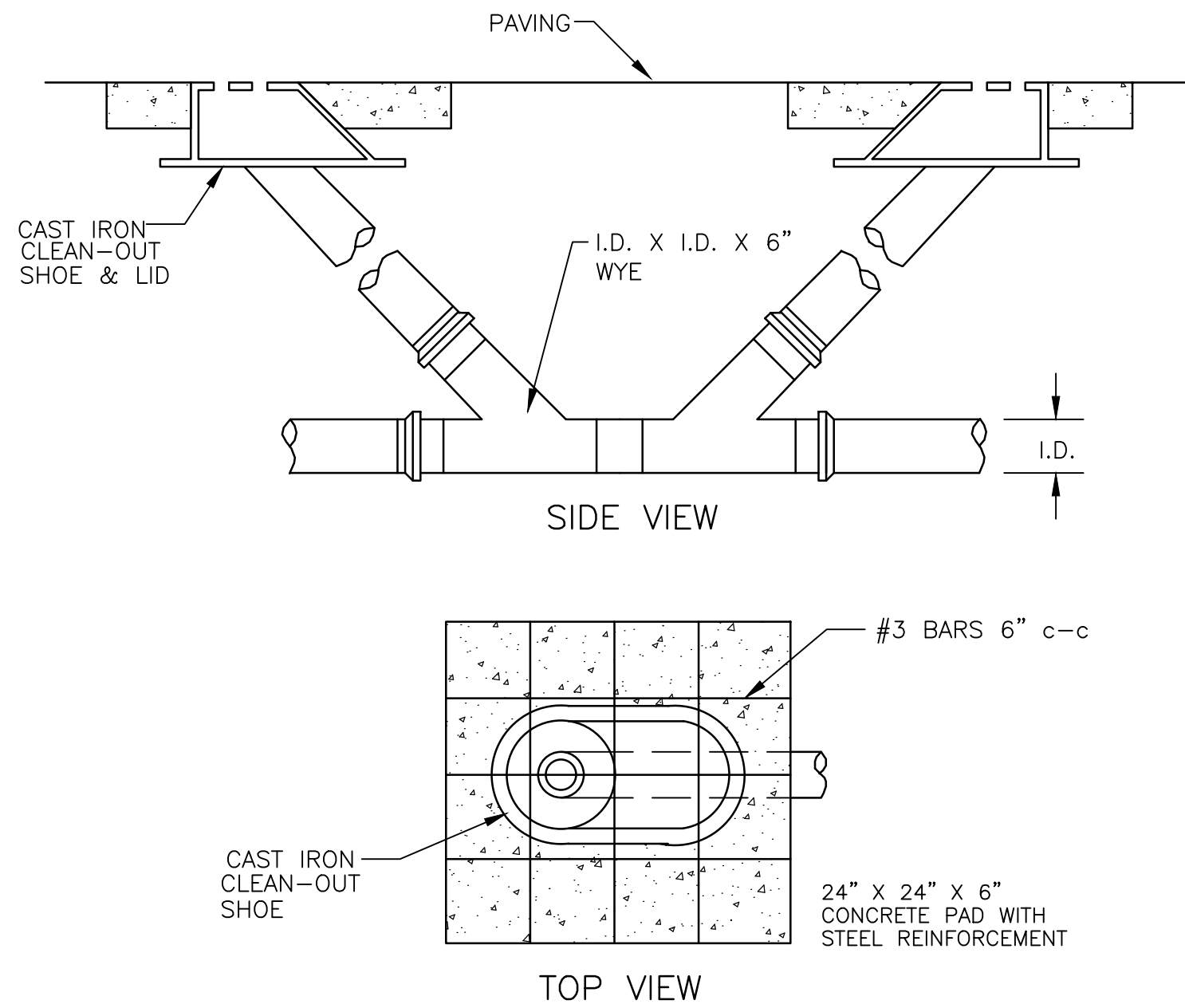
C2 TYPICAL CURB AND GUTTER SECTION
SCALE: NOT TO SCALE



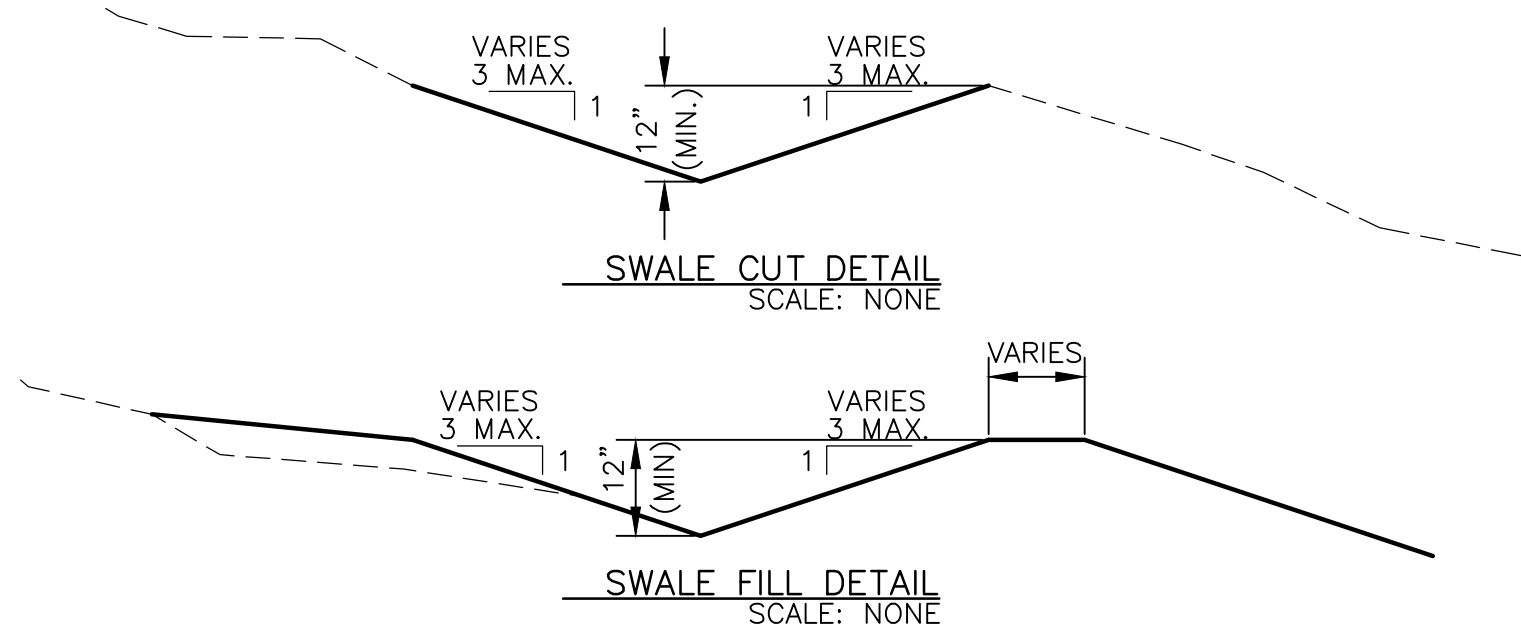
A1 CONCRETE RUNDOWN DETAIL
SCALE: NOT TO SCALE



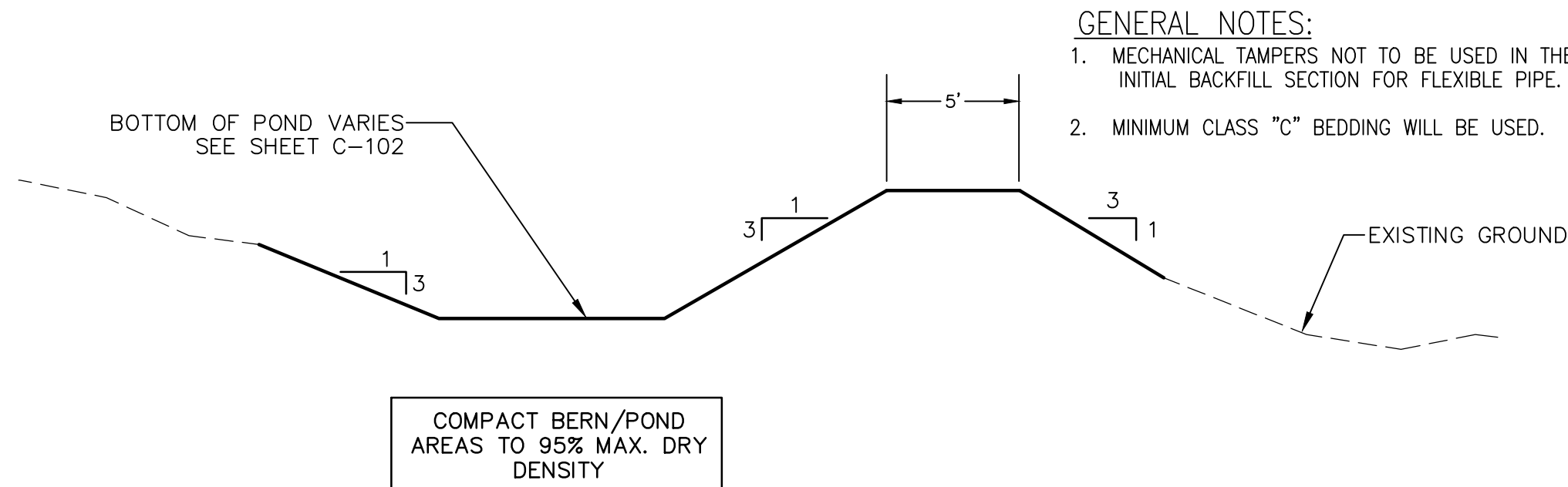
E5 DOUBLE SEWER CLEANOUT DETAIL
SCALE: NOT TO SCALE



D2 EARTHEN SWALE
SCALE: NOT TO SCALE

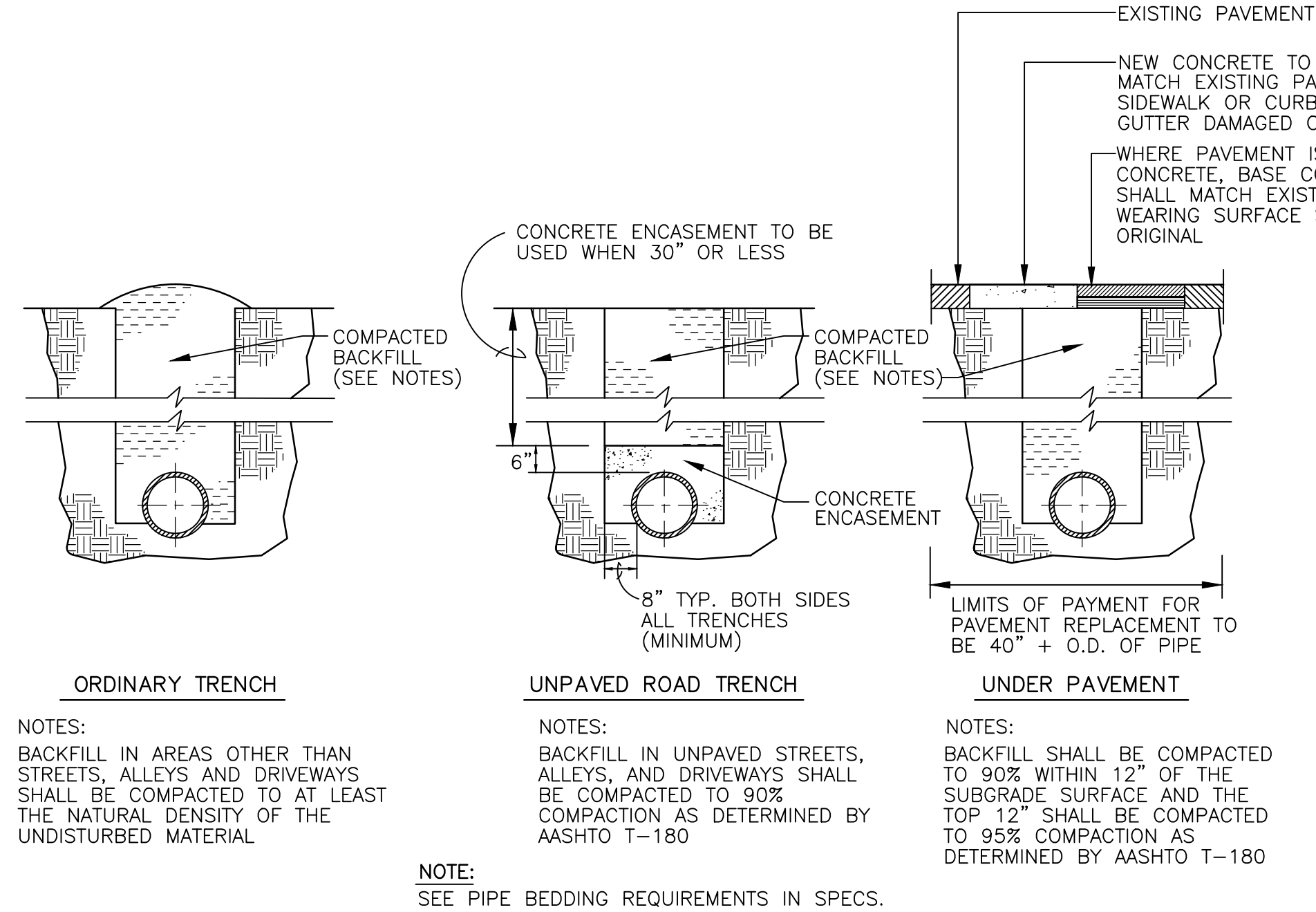


A5 TYPICAL WATER HARVEST AREA SECTION
SCALE: NOT TO SCALE

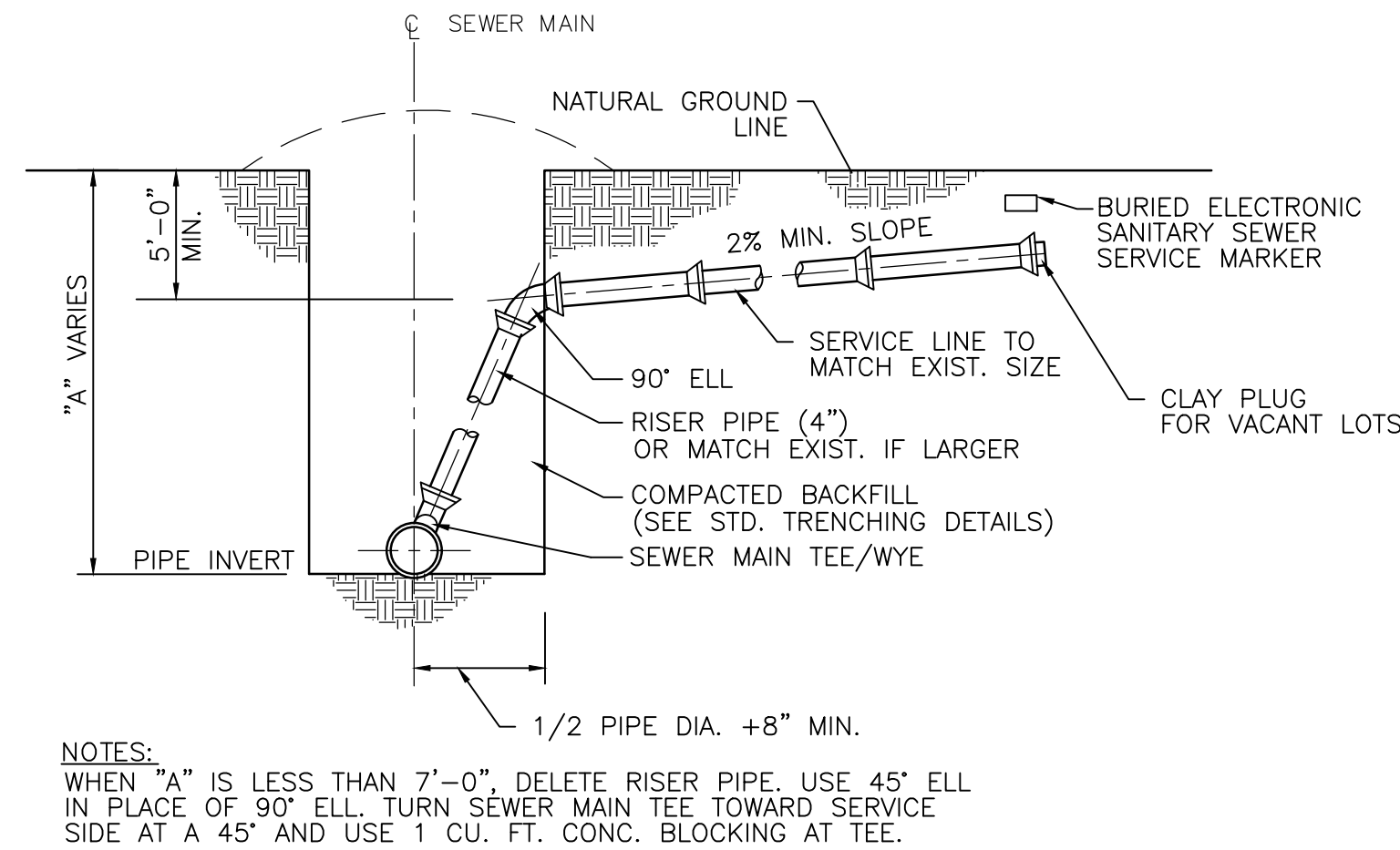


- GENERAL NOTES:
- MECHANICAL TAMPERS NOT TO BE USED IN THE INITIAL BACKFILL SECTION FOR FLEXIBLE PIPE.
 - MINIMUM CLASS "C" BEDDING WILL BE USED.

E7 TYPICAL SEWER TRENCH DETAILS
SCALE: NOT TO SCALE

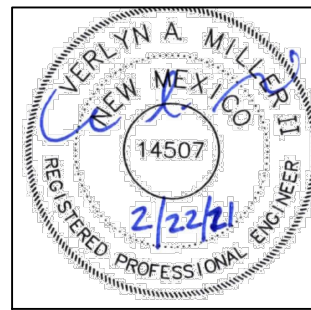
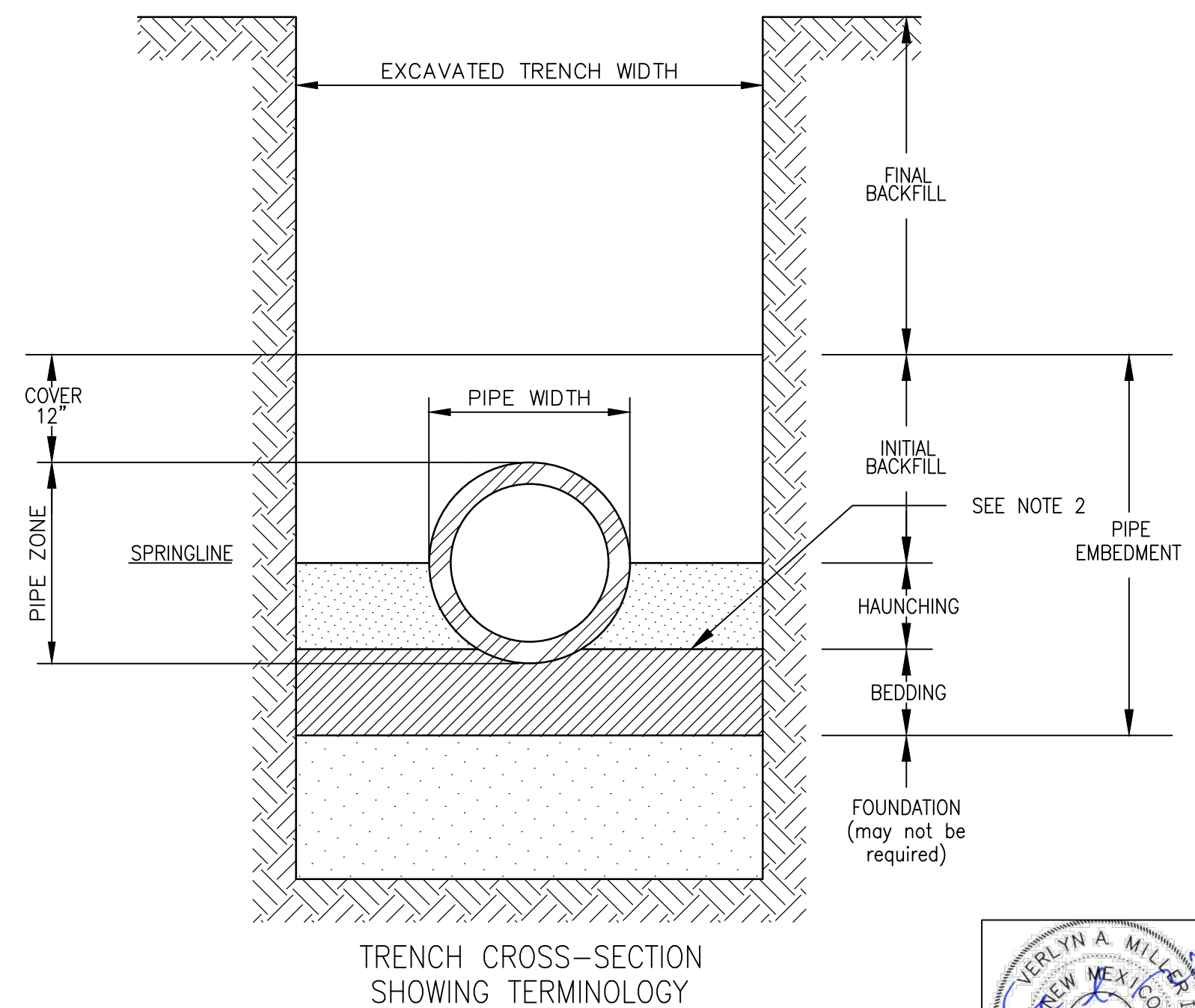


D7 TYPICAL SEWER SERVICE CONNECTION DETAIL
SCALE: NOT TO SCALE



- NOTES:
- WHEN "A" IS LESS THAN 7'-0", DELETE RISER PIPE, USE 45° ELL IN PLACE OF 90° ELL, TURN SEWER MAIN TEE TOWARD SERVICE SIDE AT A 45° AND USE 1 CU. FT. CONC. BLOCKING AT TEE.

A7 TRENCHING DETAIL
SCALE: NOT TO SCALE



PRELIMINARY
NOT FOR REGULATORY
APPROVAL, PERMITTING,
OR CONSTRUCTION

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Sheet Title:
Miscellaneous
Details

Sheet No.
C-501