

# CITY OF ALBUQUERQUE

*Planning Department*  
Alan Varela, Director



*Mayor Timothy M. Keller*

August 28, 2024

Fred Arfman, P.E.  
Isaacson & Arfman, P.A.  
128 Monroe St. N.E  
Albuquerque, NM 87108

**RE: Nuevo Atrisco  
7901 Central NW  
Permanent C.O. – Accepted  
Engineer's Certification Date: 07/29/2024  
Engineer's Stamp Date: 09/26/2023  
Hydrology File: K10D058**

Dear Mr. Arfman:

PO Box 1293

Based on the Certification received 07/30/2024 and site visit on 07/31/2024, this letter serves as a "green tag" from Hydrology Section for a Permanent Certificate of Occupancy to be issued by the Building and Safety Division.

Albuquerque

If you have any questions, please contact me at 505-924-3314 or [amontoya@cabq.gov](mailto:amontoya@cabq.gov).

NM 87103

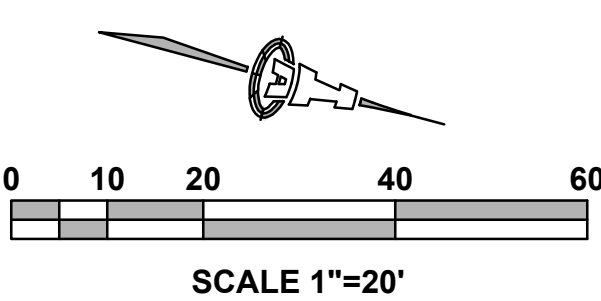
Sincerely,

[www.cabq.gov](http://www.cabq.gov)

Anthony Montoya, Jr., P.E.  
Senior Engineer, Hydrology  
Planning Department, Development Review Services



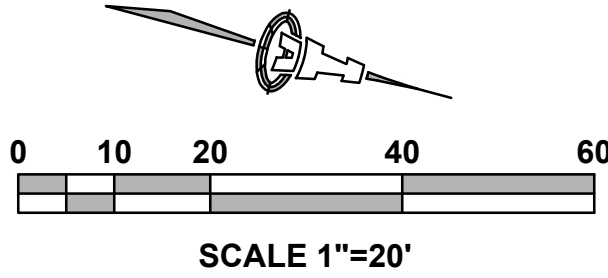









A circular professional engineer seal for Fred C. Arfman. The outer ring contains the text "FRED C. ARFMAN" at the top and "LICENSED PROFESSIONAL ENGINEER" at the bottom. The inner ring contains "NEW MEXICO". The center of the seal features the license number "7322".

## CG101






# LEGEND

	PROPOSED 1.0' CONTOUR
	PROPOSED 0.5' CONTOUR
	PROPOSED SPOT ELEVATION
	SURFACE SPOT ELEVATION
FF = 5237.5	FINISH FLOOR ELEVATION
	PROPOSED STORM DRAIN / INLET

THESE NOTES ARE REFERENCED ON SHEETS CG-101 AND CG-102. NOT ALL NOTES ARE USED ON EACH SHEET. SEE ADA COMPLIANCE NOTES THIS SHEET FOR TARGET SLOPES AND MAXIMUM SLOPES.


1. NO WORK SHALL BE PERFORMED IN THE PUBLIC RW WITHOUT AN APPROVED WORK ORDER OR EXCAVATION PERMIT.
2. NEW PAVING AT ELEVATIONS SHOWN. SLOPES AND CROSS-SLOPES VARY TO ACHIEVE ADA COMPLIANCE, REQUIRED PIPE COVERAGE, DRAINAGE, ETC. ELEVATIONS SHOWN IN GUTTER REPRESENT FLOWLINE. ADD 6" TYPICAL FOR ADJACENT TOP OF WALK / TOP OF CURB ELEVATION UNLESS NOTED. 0.5' AND 0.1' DESIGN CONTOURS SHOWN DASHED WHERE NECESSARY TO CLARIFY GRADING CONCEPT. SEE LEGEND FOR ADDITIONAL INFORMATION.
3. PROVIDE SMOOTH TRANSITION TO EXISTING PAVEMENT.
4. ADA COMPLIANT PARKING SPACES AND ACCESS AISLES AT ELEVATIONS SHOWN.
5. ADA COMPLIANT CURB RAMP AT ELEVATIONS SHOWN.
6. ADA COMPLIANT PEDESTRIAN ACCESS WALK AT ELEVATIONS SHOWN.
7. ROOF DISCHARGE TO BE RELEASED AT GRADE. CONSTRUCT 3' WIDE ANGULAR ROCK SWALE (SEE CG-501 FOR DETAIL) FROM BUILDING TO LANDSCAPE DOMED STORM DRAIN INLET. SEE CG-102 FOR DETAIL.
8. CONCENTRATED ROOF DISCHARGE TO 12" WIDE (BOTTOM WIDTH) COVERED SIDEWALK CULVERT PER COA STD. DWG. 2236. CONSTRUCT 3' WIDE ANGULAR ROCK SWALE FROM BUILDING TO EXISTING STORM DRAIN INLET. SEE CG-102 FOR DETAIL.
9. COVERED PATIO DISCHARGE TO BE PIPED DIRECTLY TO STORM DRAIN. SEE ARCHITECTURAL FOR DOWNSPOUT LOCATIONS.
10. 18" WIDE CURB OPENING TO PASS FLOW. SLOPE GUTTER AT IN DIRECTION OF FLOW (EACH CURB OPENING LOCATION). SEE CG-102 FOR DETAIL.
11. GRADE 1' DEEP TEMPORARY SEDIMENT POND THIS AREA.
12. STORMWATER QUALITY RETENTION POND AT ELEVATIONS SHOWN. TYPICAL SLOPE/  $\Delta$  = 2:1. ALL STORMWATER QUALITY PONDING VOLUMES WILL BE VERIFIED AS PART OF AS-BUILT CERTIFICATION. PONDS WHICH DO NOT PROVIDE THE REQUIRED VOLUME WILL BE CORRECTED AT CONTRACTOR'S EXPENSE. GRADES SHOWN REFLECT FINAL GRADES INCLUDING EROSION PROTECTION. SEE CG-100 FOR EROSION PROTECTION REQUIREMENTS.
13. DUMPS/ PAD SLOPED TO INTERIOR SANITARY SEWER DRAIN INLET(S). SEE UTILITY PLAN FOR CONTINUATION.
14. NOT USED
15. PRIVATE STORM DRAIN SYSTEM. SEE SHEET CG501 FOR SIZES / SLOPES / INLET INFORMATION / MATERIALS.
16. GRADE TRANSITION WALL(S) (RETAINING  $< 30'$ ) TO ACHIEVE GRADE DIFFERENCE SHOWN. FINISH GRADE ON BOTH SIDES OF WALL ARE SHOWN. RETAINING HEIGHT VARIES. STRUCTURAL DESIGN TO BE PROVIDED BY WALL CONTRACTOR.
17. TWO 6" DIA. PIPES THROUGH WALK. FLOWLINE ELEVATION = 5098.0 BOTH SIDES.

City of Albuquerque Planning Department Development Review Services <b>HYDROLOGY SECTION</b>	
<b>APPROVED</b> 09/26/23	
DATE:	<i>Renee C. Brancette</i>
BY:	
HydroText #	KD0058
THE APPROVAL OF THESE PLANS AND PERMIT SHALL NOT BE CONSIDERED TO IMPLY A WARRANTY BY THE CITY OF ALBUQUERQUE OF THE ACCURACY OF THE INFORMATION AND DATA SUBMITTED OR THE ADEQUACY OF THE DESIGN OR THE ADEQUACY OF THE CONNECTION TO EXISTING OR PROPOSED SEWERAGE OR WASTEWATER SYSTEMS, OR THE CONSTRUCTION, MAINTENANCE OR PROPER INSTALLATION OF THE SEWERAGE OR WASTEWATER SYSTEMS. THE CITY OF ALBUQUERQUE DOES NOT GUARANTEE THE PERFORMANCE OF THE SEWERAGE OR WASTEWATER SYSTEMS.	
AUTHORIZATION:	
APPROVAL OF GRADING & DRAINAGE PLANS SHALL EXPIRE TWO (2) YEARS AFTER THE APPROVAL DATE BY THE CITY IF NO BUILDING PERMIT HAS BEEN PULLED ON THE DEVELOPMENT.	



**Isaacson & Arfman, Inc.**  
Civil Engineering Consultants

128 Monroe Street NE  
Albuquerque, NM 87108  
505-268-8828 | www.iacivil.com



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Engineer

09-26-2023

**NUEVO ATRISCO**

**7901, 7911 & 7921 CENTRAL AVE NW**

**Albuquerque, NM 87121**

No	Date	Description
		ISSUE: -
		PROJECT NUMBER: 1A 2470
		FILE:
		DRAWN BY: BJB
		CHECKED BY: ANW
		DATE: OCTOBER, 2022

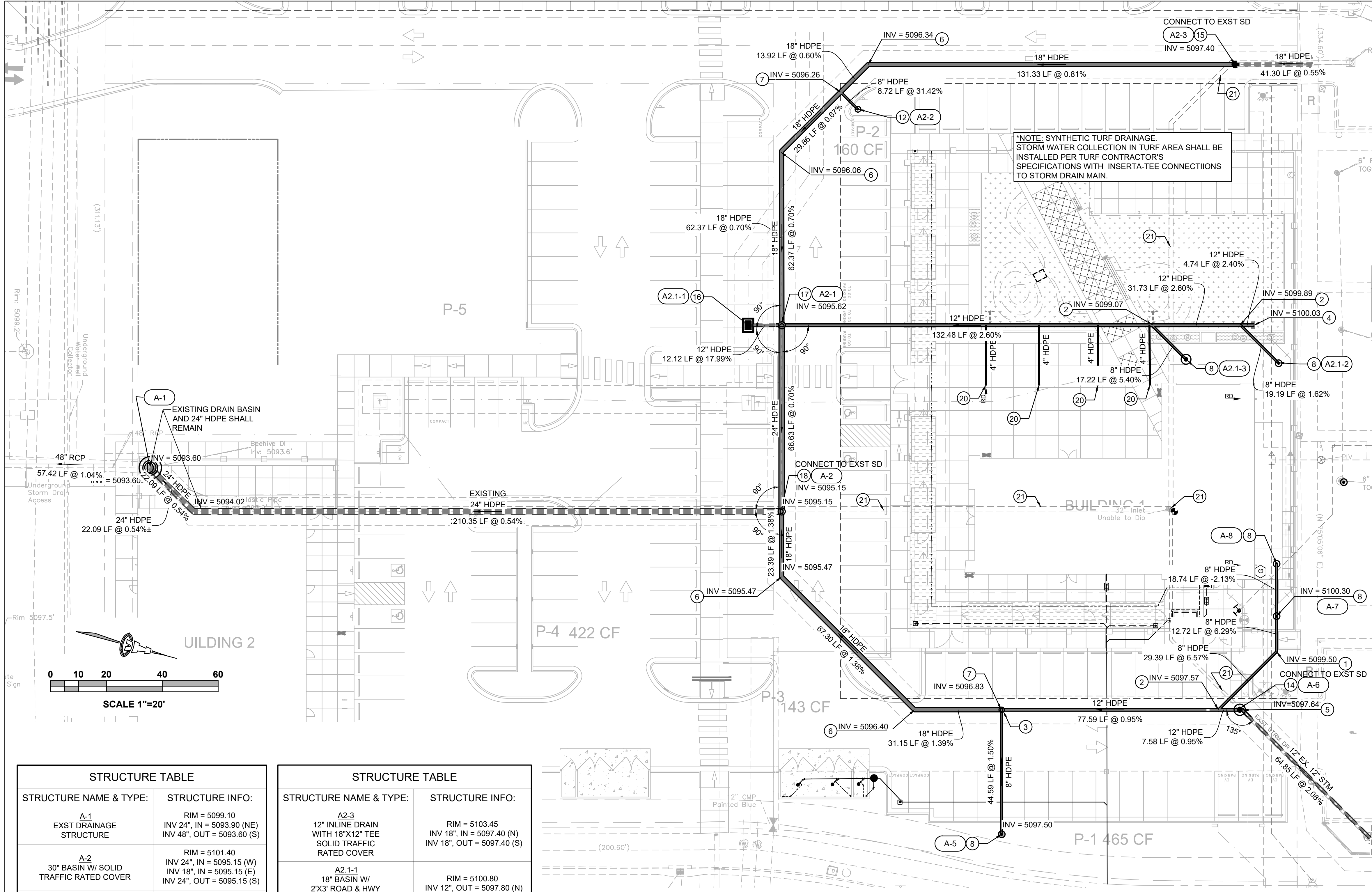
SHEET TITLE

GRADING &  
DRAINAGE  
PLAN 2 OF 2

SHEET NUMBER

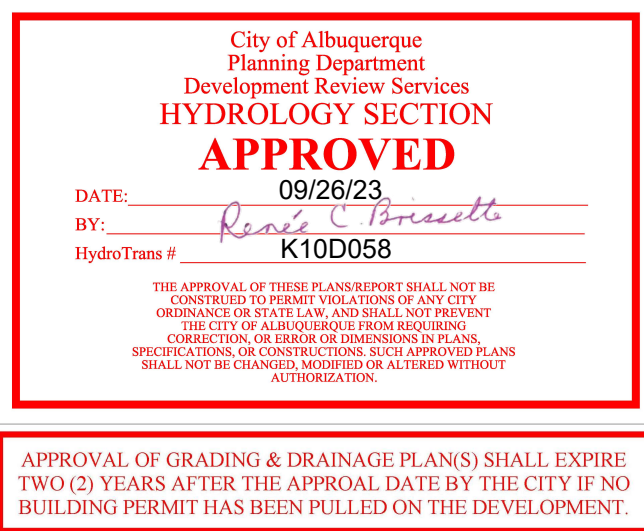
**CG102**





STRUCTURE TABLE	
STRUCTURE NAME & TYPE:	STRUCTURE INFO:
A-1 EXST DRAINAGE STRUCTURE	RIM = 5099.10 INV 24", IN = 5093.90 (NE) INV 48", OUT = 5093.60 (S)
A-2 30" BASIN W/ SOLID TRAFFIC RATED COVER	RIM = 5101.40 INV 24", IN = 5095.15 (W) INV 18", IN = 5095.15 (E) INV 24", OUT = 5095.15 (S)
A-5 8" BASIN W/ DOMED GRATE	RIM = 5100.50 INV 8", OUT = 5097.50 (W)
A-6 12" INLINE DRAIN W/ 12" TEE 12"SOLID TRAFFIC RATED COVER	RIM = 5102.80 INV 12", OUT = 5097.64 (S) INV 12", OUT = 5097.64 (N)
A-7 8" BASIN W/ DOMED GRATE	RIM = 5103.30 INV 8", IN = 5100.30 (W) INV 8", OUT = 5100.30 (E)
A-8 8" BASIN W/ DOMED GRATE	RIM = 5103.10 INV 8", OUT = 5099.90 (E)
A2-1 24" BASIN W/ SOLID TRAFFIC RATED COVER	RIM = 5100.85 INV 18", IN = 5095.62 (W) INV 12", IN = 5095.62 (N) INV 12", IN = 5095.62 (S) INV 24", OUT = 5095.62 (E)
A2-2 12" BASIN W/ DOMED GRATE	RIM = 5102.00 INV 8", OUT = 5099.00 (SW)

STRUCTURE TABLE	
STRUCTURE NAME & TYPE:	STRUCTURE INFO:
A2-3 12" INLINE DRAIN WITH 18"x12" TEE SOLID TRAFFIC RATED COVER	RIM = 5103.45 INV 18", IN = 5097.40 (N) INV 18", OUT = 5097.40 (S)
A2-1-1 18" BASIN W/ 2'X3' ROAD & HWY GRATE INLET	RIM = 5100.80 INV 12", OUT = 5097.80 (N)
A2-1-2 8" BASIN W/ DOMED GRATE	RIM = 5103.20 INV 8", OUT = 5100.20 (SW)
A2-1-3 8" BASIN W/ DOMED GRATE	RIM = 5103.00 INV 8", OUT = 5100.00 (SW)



LEGEND

PROPOSED TRAFFIC RATED INLET

PROPOSED DRAIN BASIN OR INLINE DRAIN WITH GRATE

STORM DRAIN GENERAL NOTES

A. INSTALL ALL STORM DRAIN INLETS, PIPE AND FITTINGS PER MANUFACTURER'S SPECIFICATIONS.

B. PROPOSED INLETS IN LANDSCAPE AREAS CONSIST OF A NYLOPLAST BASIN (SIZE PER PLAN) AND A LOCKING GRATE. SEE KEYED NOTES AND DETAILS THIS SHEET.

C. PROPOSED INLETS IN COURTYARD AREA CONSIST OF A 12" NYLOPLAST INLINE DRAIN WITH 8" OUTLET, AND A LOCKING GRATE. SEE KEYED NOTES AND DETAILS THIS SHEET.

D. PROPOSED MANHOLES IN TRAFFIC AREA CONSIST OF A NYLOPLAST BASIN WITH LOCKING SOLID TRAFFIC RATED GRATE.

E. PROPOSED INLET IN TRAFFIC AREA CONSISTS OF A NYLOPLAST BASIN WITH 2'X3' TRAFFIC RATED GRATE.

F. ALL STORM DRAIN LINES AND FITTINGS TO BE ADS N-12WT WATERTIGHT.

G. INSTALL PIPE WITH SLOPES AND INVERTS PER PLAN.

H. STORM DRAIN SYSTEM WILL REQUIRE REGULAR MAINTENANCE TO ENSURE PROPER FUNCTIONING DURING STORM EVENTS. ENGINEER RECOMMENDS THAT PROPERTY OWNER PUT IN PLACE INSPECTION AND MAINTENANCE CRITERIA SCHEDULED TO OCCUR MONTHLY AND AFTER EACH STORM EVENT.

I. STORM DRAIN PIPE LENGTHS NOTED ON PLAN ARE TO CENTER OF BASINS OR INLINE DRAINS.

KEYED NOTES

1. 8" 45° BEND

2. 8"x12" 45° WYE

3. 12"x18" REDUCER

4. 12" STUB FOR FUTURE CONNECTION

5. 12" 45° BEND

6. 18" 45° BEND

7. INSERTA TEE CONNECTION TO LARGER STORM LINE.

8. 8" DIA. ADS INLINE DRAIN W/ LOCKING DOME GRATE AND CONCRETE COLLAR

9. NOT USED

10. NOT USED

11. NOT USED

12. 12" DIA. ADS INLINE DRAIN W/ LOCKING DOME GRATE AND CONCRETE COLLAR

13. NOT USED

14. 12" DIA. ADS INLINE DRAIN W/ 12"x12" TEE AND LOCKING SOLID TRAFFIC RATED COVER AND CONCRETE COLLAR

15. 12" DIA. ADS INLINE DRAIN W/ 12"x18" TEE AND LOCKING SOLID TRAFFIC RATED COVER AND CONCRETE COLLAR

16. 18" DIA. ADS INLINE DRAIN W/ 2'X3' ADS ROAD & HIGHWAY TRAFFIC RATED GRATE (LOCKING) AND CONCRETE COLLAR

17. 24" DIA. NYLOPLAST BASIN W/ SOLID TRAFFIC RATED COVER (LOCKING) AND CONCRETE COLLAR, 2' SUMP

18. 30" DIA. NYLOPLAST BASIN W/ SOLID TRAFFIC RATED COVER (LOCKING) AND CONCRETE COLLAR, 2' SUMP

19. NOT USED

20. COVERED PATIO DRAINS. CONNECT TO STORM DRAIN MAIN USING INSERTA TEE. COORDINATE WITH ARCHITECTURAL PLANS FOR SPECIFIC DRAIN LOCATIONS.

21. DEMO EXISTING STORM DRAIN

VARIES, LOCKING DOMED GRATE SHOWN. SEE KEYNOTES AND STRUCTURE TABLE FOR COVER TYPE.

RIM

INV

1'-2" SUMP, REFER TO STRCUTURE KEYNOTES ABOVE

NYLOPLAST BASIN - SIZE PER PLAN, SEE KEYNOTES AND STRUCTURE TABLE, THIS SHEET

NOTE: SEE RIM AND INVERT ELEVATIONS, THIS SHEET.

ADS NYLOPLAST BASIN

SCALE: N.T.S.

RIM ELEVATION

12" NDS INLINE DRAIN WITH 8" OUTLET, SEE KEYNOTES AND STRUCTURE TABLE

12" LOCKING PEDESTRIAN GRATE (ADA COMPLIANT & HEEL PROOF). SEE KEYNOTES AND STRUCTURE TABLE THIS SHEET

8" N12WT, SEE KEYNOTES AND STRUCTURE TABLE

FITTING AT SD MAIN PER PLAN

INVERT ELEVATION, REFER TO STRUCTURE TABLE ON THIS SHEET

STORM DRAIN MAIN, SEE PLAN FOR PIPE SIZE

IN-LINE DRAIN

SCALE: N.T.S.

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FRED C. ARFMAN  
NEW MEXICO  
7322  
LICENSED PROFESSIONAL ENGINEER

Engineer 09-26-2023

NUEVO ATRISCO  
7901, 7911 & 7921 CENTRAL AVE NW  
Albuquerque, NM 87121

ISSUE: -

PROJECT NUMBER: IA 2470

FILE:

DRAWN BY: BJB

CHECKED BY: ANW

DATE: SEPTEMBER 2023

No

Date

Description

SHEET TITLE

STORM DRAIN PLAN

SHEET NUMBER

CG501





