CITY OF ALBUQUERQUE



April 6, 2018

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

RE: Global Storage- Coors
3421 Coors Blvd NW
Grading and Drainage Plan
Engineer's Stamp Date 03/2018
Hydrology File: G11D071

Dear Mr. Arfman:

PO Box 1293

Based on the information provided in the submittal received on 3/28/18 the above-referenced submittal cannot be approved until the following are corrected:

Albuquerque

Prior to Site Plan for Building Permit:

NM 87103

1. This site discharges to Coors Blvd, an NMDOT facility. Written concurrence must be obtained from NMDOT D3 Drainage that this project can proceed. Please contact Tim Trujillo P.E (TimothyR.Trujillo@state.nm.us).

www.cabq.gov

2. Add note on the plan that "No work shall be performed in the public ROW without an approved Work Order or Excavation Permit."

- 3. Provide written permission from the property owners to the north and south for the work on their properties to build the new driveway entrances onto this property. If there will be cross-lot drainage occurring at these new access points, that permission should be included as well. Since an access easement will likely be required, the drainage language can likely just be added to that.
- 4. Provide additional spot elevations along the property line in order to assess the need for cross-lot drainage easements.
- 5. There appear to be a few areas where impervious areas are not being retained on-site, such as at the driveway entrances and the dumpster access. Please clarify these basins. If unable to capture and retain on-site, quantify the first flush bypass volume and state on plans. Payment of fee in-lieu will then be required at building permit.

Orig: Drainage file

Albuquerque - Making History 1706-2006

CITY OF ALBUQUERQUE



- 6. Please clarify areas of impervious vs. pervious surfacing. For instance, Basin 1 seems to be nearly all asphalt and concrete but is claimed as only 75% impervious. Provide a larger basin delineation map showing impervious vs. pervious areas and include a scale.
- 7. Along Atrisco, provide curb openings and size the retention areas to be able to pond the portions of Atrisco that drain to them. Since this will all occur within the ROW, a work order, or excavation permit at minimum, will be needed.
- 8. Either a recorded SIA with financial guarantee or close-out of the public work order is required prior to final sign-off of the Site Plan.

Prior to Building Permit:

9. A Drainage Covenant is required for the stormwater quality ponds. The original notarized form, exhibit A (legible on 8.5x11 paper), and recording fee (\$25, payable to City of Albuquerque) must be turned into DRC (4th, Plaza del Sol) for routing. Please contact Charlotte LaBadie (clabadie@cabq.gov, 924-3996) or Madeline Carruthers (mtafoya@cabq.gov, 924-3997) regarding the routing and recording process for covenants.

PO Box 1293

10. This project requires an ESC Plan, submitted to the Stormwater Quality Engineer (Curtis Cherne PE, ccherne@cabq.gov or 924-3420).

Albuquerque

11. Payment of the Fee in Lieu for the first flush bypass must be made.

NM 87103

12. Additional comments may be provided at Building Permit, based on the outcome of the above remarks and level of detail shown on plans.

www.cabq.gov

Prior to Certificate of Occupancy:

13. The Drainage Covenant must be recorded with Bernalillo County and a copy included with the drainage certification.

If you have any questions, please contact me at 924-3695 or dpeterson@cabq.gov.

Sincerely,

Dana Peterson, P.E.

Senior Engineer, Planning Dept. Development Review Services

Orig: Drainage file

Albuquerque - Making History 1706-2006



COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: ____

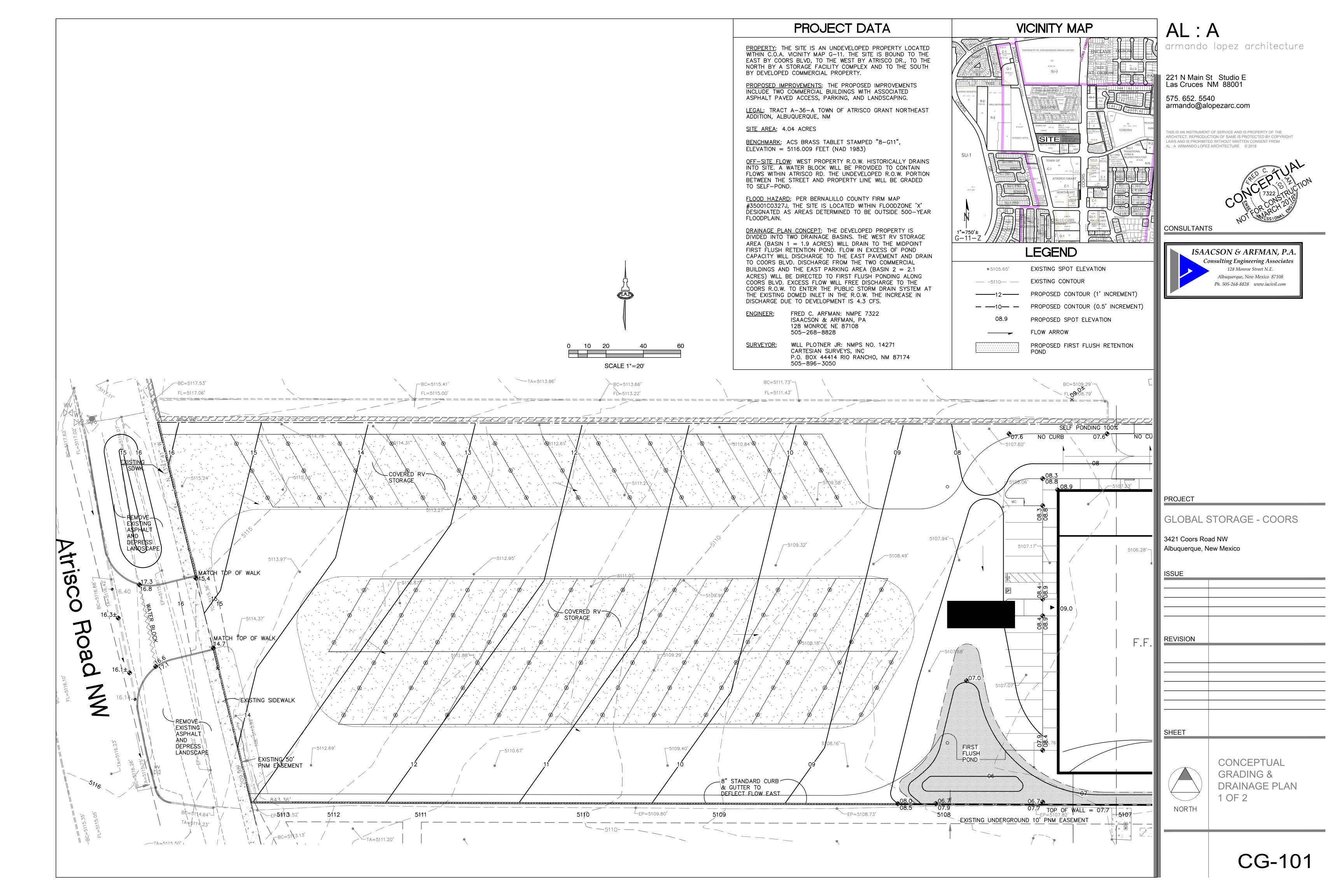
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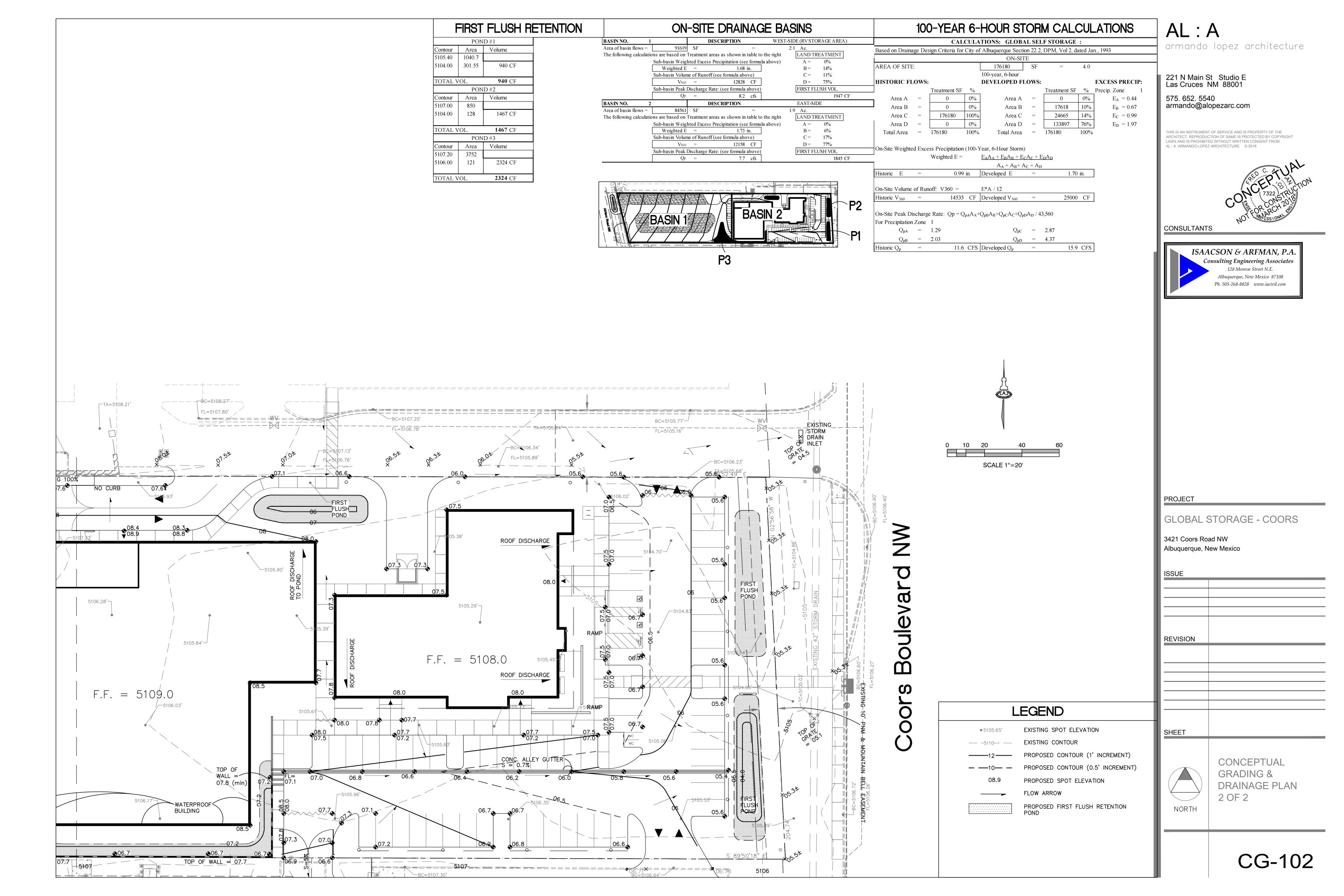
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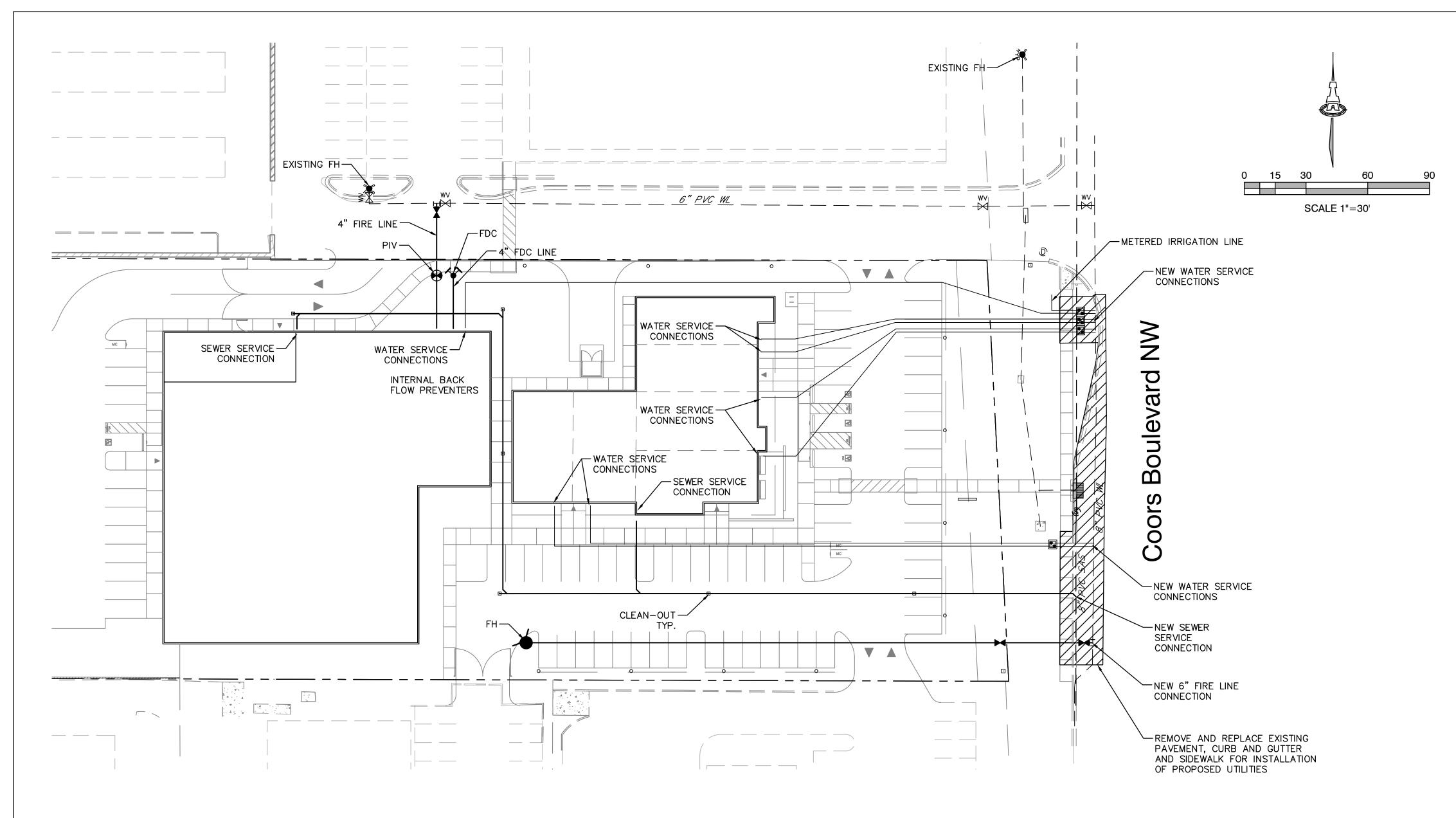
Development & Building Services Division

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: bryanb@iacivil.com
Owner:		
Addrass:		
		E-mail:
		_
A 11		
Phone#: Fax#:		F-mail:
THOREM.		
Other Contact:		Contact:
Address:		
Phone#: Fax#:		E-mail:
MS4/ EROSION & SEDIMENT CONTROL TYPE OF SUBMITTAL: ENGINEER ARCHITECT CERTIFICATION X CONCEPTUAL G & D PLAN GRADING PLAN	PRELIMINAI SITE PLAN I X SITE PLAN F FINAL PLAT	E OF OCCUPANCY RY PLAT APPROVAL FOR SUB'D APPROVAL FOR BLDG. PERMIT APPROVAL APPROVAL SE OF FINANCIAL GUARANTEE
DRAINAGE MASTER PLAN	FOUNDATIO	N PERMIT APPROVAL
CLOMP/LOMP		ERMIT APPROVAL
CLOMR/LOMR	SO-19 APPR	
TRAFFIC CIRCULATION LAYOUT (TCL)	PAVING PER	RMIT APPROVAL AD CERTIFICATION
TRAFFIC IMPACT STUDY (TIS)	WORK ORDE	
EROSION & SEDIMENT CONTROL PLAN (ESC)	WORK ORDE	
OTHER (SPECIFY)	PRE-DESIGN	MEETING CCIFY)
IS THIS A RESUBMITTAL?: YesX_No		
DATE SUBMITTED: March 28, 2018 By: Fred	d C. Arfman	







PRIVATE FIRE LINE CONNECTIONS TO PUBLIC WATERLINE TO BE CONSTRUCTED UNDER ABCWUA WORK ORDER

GENERAL NOTES

- 1. EXISTING UTILITY LINES ARE SHOWN IN AN APPROXIMATE MANNER ONLY AND MAY BE INCOMPLETE OR OBSOLETE. SUCH LINES MAY OR MAY NOT EXIST WHERE SHOWN OR NOT SHOWN. ALL UTILITIES SHOULD BE FIELD VERIFIED AND LOCATED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY
- 2. CONTRACTOR SHALL NOT USE VIBRATORY COMPACTION EQUIPMENT OR HEAVY VEHICLES OVER EXISTING UTILITIES.
- 3. SITE STORM DRAIN, ELECTRIC LINES & TRANSFORMERS AND GAS LINES ARE SHOWN FOR GENERAL INFORMATION ONLY TO PROVIDE AN OVERVIEW OF SITE UTILITIES AND POTENTIAL CONFLICTS. SEE MECHANICAL PLANS FOR GAS LINE SIZING. SEE CG-101 FOR STORM DRAIN DESIGN.
- 4. ALL WATER FITTINGS SHALL HAVE JOINT RESTRAINTS (LT). SEE RESTRAINED JOINT CRITERIA NOTES THIS SHEET. (LT) LENGTH SHOWN ON KEYED NOTES.
- 5. ALL ABOVE GROUND UTILITY EQUIPMENT AND FITTINGS SHALL BE PAINTED IN COLORS TO MATCH BUILDING COLORS.

UTILITY GENERAL NOTES

- A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE INSTALLATION OF ALL WORK RELATED TO PROPOSED UTILITIES SHOWN ON THIS PLAN INCLUDING: TRENCHING, BACKFILL, SUPPORTS, CLEANOUT PADS, SERVICE STOPS AND BOXES, SERVICE LINES, TESTING, CLEANING, AND STERILIZING. ANY WORK NOT ACCEPTED BY THE ARCHITECT OR ENGINEER DUE TO IMPROPER WORKMANSHIP OR LACK OF PROPER COORDINATION SHALL BE REMOVED AND CORRECTLY INSTALLED AT THE CONTRACTOR'S EXPENSE, AS DIRECTED.
- B. MINIMUM COVER SHALL BE 36" FOR WATERLINES AND 48" FOR SANITARY SEWER, EXCEPT AT BUILDING CONNECTIONS.
- C. UTILITY LINES SHALL BE INSTALLED AFTER COMPLETION OF THE SITE ROUGH GRADING.
- D. UTILITY LINES SHALL BE INSTALLED PRIOR TO SURFACE IMPROVEMENTS SUCH AS PAVEMENT, SIDEWALKS, AND LANDSCAPING.
- E. CONTRACTOR SHALL BE RESPONSIBLE FOR CONNECTIONS TO BUILDING PLUMBING AND ALL NECESSARY FITTINGS. FITTING COSTS SHALL BE INCIDENTAL. REFER TO THE MECHANICAL AND/OR PLUMBING PLANS FOR SERVICE CONNECTIONS.
- F. DRY UTILITY LOCATIONS AND DESIGN ARE NOT A PART OF THIS PLAN. CONTRACTOR SHALL COORDINATE WITH THE LOCAL DRY UTILITY COMPANIES TO DETERMINE THE SIZE, DEPTH, LOCATION, FITTINGS AND REQUIRED APPURTENANCES FOR THE DRY UTILITY SERVICE LINES ON THE SITE. REFER TO MECHANICAL AND ELECTRICAL PLANS FOR SERVICE CONNECTIONS.
- G. TRENCHING, BORING, AND JACKING SHALL BE CONSTRUCTED IN ACCORDANCE WITH COA SPEC. SECT. 700. ALL BACKFILL SHALL BE COMPACTED TO A MINIMUM 95% DENSITY PER ASTM D-1557.
- H. ALL WATER VALVE BOXES, MANHOLE RINGS & COVERS, AND OTHER SURFACE ITEMS FOR THE UTILITIES SHALL BE ADJUSTED TO FINISHED GRADE.
- I. ALL CROSSINGS OF WATER AND SEWER LINES SHALL HAVE 12" MIN CLEARANCE. IF 12" CLEARANCE IS NOT POSSIBLE, BOTH PIPES SHALL BE ENCASED IN CONCRETE OR AS DIRECTED BY THE ENGINEER.
- J. VALVES, METERS, SERVICE LINES, METER AND VALVE BOXES, TAPPING SLEEVES, HYDRANTS, AND OTHER WATER APPURTENANCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH COA SPEC. SECT. 800.
- K. WATERLINES LESS THAN 4" DIAMETER SHALL BE COPPER TYPE K MEETING ASTM B 88 REQUIREMENTS. WATERLINES 4" IN DIAMETER OR LARGER SHALL BE PVC PIPE MEETING AWWA C900 DR-18 REQUIREMENTS.
- L. ALL FITTINGS AND COUPLINGS FOR WATERLINES LESS
 THAN 4" IN DIAMETER ARE TO BE COPPER, SOLDER JOINT
 FITTINGS IN ACCORDANCE WITH ASME 16.18 OR ASME B16.22.
- M. ALL FITTINGS AND COUPLINGS FOR WATERLINES 4" IN DIAMETER OR LARGER ARE TO BE MEGA LUG MECHANICAL JOINTS OR ENGINEER APPROVED EQUIVALENT.
- N. JOINTS SHALL BE RESTRAINED BY MEGA LUG HARNESSES, OR ENGINEER APPROVED EQUIVALENT. JOINT RESTRAINTS SHALL BE INSTALLED AT DISTANCES FROM THE FITTINGS AS SHOWN ON THE JOINT RESTRAINT TABLE IN THESE PLANS.
- O. BACKFLOW PREVENTERS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- P. FIRE LINES SHALL USE PIPE MATERIALS LISTED AND APPROVED FOR FIRE SERVICE BY UNDERWRITERS LABORATORIES.
- Q. FIRE DEPARTMENT CONNECTIONS SHALL MEET UL 405, NFPA 1963, AND LOCAL FIRE DEPARTMENT REQUIREMENTS.
- R. ADJUST WATER AND FIRE LINES TO AVOID FOOTINGS, SEWER LINES, AND OTHER CONDUITS. INSTALL FITTINGS AS NEEDED.
- S. SEWER MANHOLES, CLEANOUTS, SEWER SERVICE TAPS, AND OTHER SEWER APPURTENANCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH COA SPEC. SECT. 900 / APWA SPEC. SECT. 900 / LOCAL UTILITY COMPANY SPECIFICATIONS
- T. SEWER SERVICE LINES SHALL BE INSTALLED AT A 2% MINIMUM SLOPE, UNLESS OTHERWISE SPECIFIED ON THE PLANS. THE PIPE SHALL DRAIN AT A CONSTANT SLOPE BETWEEN FITTINGS. THE PIPE SHALL DRAIN TOWARD THE SEWER MAIN AT ALL LOCATIONS.
- U. ALL SANITARY SEWER LINE MATERIALS SHALL BE PVC SDR-35 PIPE.



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CONSULTANTS

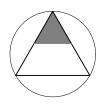


PROJE(

GLOBAL STORAGE - COORS

3421 Coors Road NW Albuquerque, New Mexico

ISSUE	
REVISION	
SHEET	
	CONCEDIUM



CONCEPTUAL UTILITY PLAN

CU-101

NORTH

