

STORMWATER CONTROL PLAN

Take 5 Oil Change

1125 Snow Vista Boulevard SW Albuquerque, NM 87121



Prepared for: Durban Development C/O Phillip Spence 106 Foster Avenue Charlotte, NC 28203 (704) 319-8330

> September 2023 BCE Job No. 23007

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 - Pre-developed Drainage Exhibit
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1. Introduction and Background:

The following stormwater control plan has been prepared for the proposed commercial development project located on Lot 1C of the overall development at 1125 Snow Vista Boulevard in the City of Albuquerque, New Mexico. The proposed design has been developed in conformance with the City of Albuquerque and Bernalillo County Standards. The proposed development will consist of a 1,672 square feet Take 5 Oil Change facility building, along with vehicular parking and maneuvering areas, amenities for pedestrians and landscaped areas.

2. Existing Conditions:

The project site is located within a 1.26-acre parcel that is bounded to the North, South, and West by future developments, and to the east by Snow Vista Boulevard. The site is zoned for MX-L – Mixed-Use. The existing site is currently undeveloped and consists of shrubs and off-road vehicle trails.

The proposed uses are approved within the development per the City of Albuquerque. Existing topographic features and current land use including all existing utilities, roads, and easements are depicted on the ALTA Survey – Appendix A.

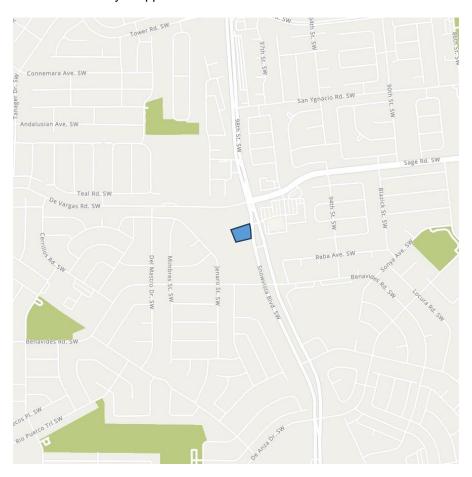


Figure 1: Site Location Map

3. Proposed Conditions:

The project proposes an approximately 1.01-acre development consisting of a Take 5 Oil Change commercial building with a 1,672 square-foot footprint. The project proposes to utilize a shared driveway onto Snow Vista Boulevard that provides direct access to Lot 1C. The project proposes to construct an access roadway for access to future development to the south of the project. The continuation of the shared roadway beyond the property line will be completed by others. Site improvements will include vehicular parking and drive areas with interior and exterior landscaping. The proposed conditions focus on minimizing impervious areas to the maximum extent feasible, while proposing pervious areas to reduce generated stormwater runoff. The proposed development contains one drainage area.

The building roof is designed to drain to downspouts, then to splash blocks, which dissipate the flow, which then sheet flows into the nearest catch basin. Runoff from the DMA will be conveyed to an onsite detention pond. Stormwater volumes in excess of the SWQV will pass through the BMP and bypass into a stormwater pipe as designed in the overall development.

4. Design Assumptions:

The following assumptions were utilized as part of the hydraulic analysis for the project:

- Hydromodification requirements do not apply to the developed site.
- Low Impact Development (LID) requirements do apply to the developed site. The development will implement the following BMP measures: Detention Pond

5. Hydrologic and Hydraulic Methods:

The hydrologic and hydraulic methods utilized for this analysis include:

- The Weighted E method was was used to determine the peak flow rate for 100-year storm per section 6.2 of the Development Process Manual for City of Albuquerque.
- A design storm depth of 0.42 inches for new development was used to determine minimum storage capacity for the above ground detention system.

5.1. Proposed Peak Flow and Volume Calculations (Weighted E Method)

DMA#1

Weighted E Method (PROPOSED)																
	100-Year 10-Year															
			Treatn	nent A	Treatn	nent B	Treatment C Treatment D		Weighted E	Volume	Flow	Weighted E	Volume	Flow		
DMA	Area (sf)	Area (ac)	%	acreas	%	acreas	%	acreas	%	acreas	(in)	(ac-ft)	(cfs)	(in)	(ac-ft)	(cfs)
1	55,016	1.26	0	0	0	0	61.0%	0.77	38.8%	0.49	1.45	1.83	4.23	0.82	1.03	2.38

Weighted E = Ea*Aa + Eb*Ab + Ec*Ac + Ed*Ad / Total Area
Volume = Weighted E * Total Area
Flow = Qa*Aa + Qb*Ab + Qc*Ac + Qd*Ad

Excess Precipitation, E (in)					
Zone 1	100-Year	10-Year			
Ea	0.55	0.11			
Eb	0.73	0.26			
Ec	0.95	0.43			
Ed	2.24	1.43			

Peak Discharge (cfs/acre)						
Zone 1	100-Year	10-Year				
Qa	1.54	0.3				
Qb	2.16	0.81				
Qc	2.87	1.46				
Qd	4.12	2.57				

Water Quality Calculations

Note: For new developement site, SWQV = 0.42 in

	Impervious Area (sf)	SWQV	Storm Water	Storm Water
DMA		(in)	Quality Vol (cf)	Quality Vol (ac-ft)
1	21,344	0.42	747	0.017

Appendix A

Alta Survey

VICINITY MAP

GENERAL NOTES

- 1. Bearings are grid based on New Mexico State Plane Coordinate System, Central Zone (NAD 83).
- 2. Distances are ground.
- 3. Distances along curved lines are arc lengths
- 4. Record Plat or Deed bearings and distances, where they differ from those established by this field survey, are shown in parentheses ().
- 5. All corners found in place and held were tagged with a brass disk stamped "HUGG L.S. 9750" unless otherwise indicated hereon.
- 6. All corners that were set are either a 5/8" rebar with cap stamped "HUGG L.S. 9750" or a concrete nail with brass disk stamped "HUGG L.S. 9750" unless otherwise indicated hereon.
- 7. Field surveys were performed during the month of June, 2023.
- 8. Vertical Datum is based upon Albuquerque Control Survey Monument "ACS BM 7-M9", Elevation = 5146.25 feet (NAVD 88).
- 9. Contour interval is one foot.
- 10. This property is subject to all exceptions pertaining to this property as listed in the Title Commitment prepared for this property by Old Republic National Title Insurance Company Commitment Number 2300816, Effective Date: February 23, 2023.
- 11. The above described Title Commitment was used in defining easements as shown hereon. Numbers in circles by the easements description correspond to the Title Commitments SCHEDULE B, SECTION II item number. Where possible, said easements have been plotted.
- Subject property is currently Vacant Land and contains no existing painted parking spaces.
- 13. The word Certify or Certification as used herein is understood to be an expression of professional opinion by the surveyor, based upon his best knowledge, information and belief, as such, and does not constitute a guarantee, nor a warranty, expressed or implied.
- 14. There is observed current earth moving work, construction of underground utilities and new curb and gutter being constructed at the time of this field survey.
- 15. Apparent changes in street line right of way is shown hereon and has been dedicated by replat filed December 14, 2022 in Book 2022C, Page 139.
- 16. With regard to Table A, item 11, source information from Plans and markings will be combined with observed evidence of utilities to develop a view of those underground utilities. However, lacking excavation, the exact location of underground features cannot be accurately, completely and reliably depicted. Where additional or more detailed information is required, the client is advised that excavation may be necessary.
 - NM 811 LOCATE REQUEST TICKET NUMBER 23JN070468, CREATION DATE: 6/7/2023.
- 17. The subject properties are currently Zoned MX-L as shown and designated on the City of Albuquerque GIS Zone Atlas Page M-9, dated May 17, 2018.

UTILITY DISCLAIMER

SOURCE INFORMATION FROM PLANS AND MARKINGS HAVE BEEN BE COMBINED WITH OBSERVED EVIDENCE OF UTILITIES TO DEVELOP A VIEW OF THOSE UNDERGROUND UTILITIES. HOWEVER, LACKING EXCAVATION, THE EXACT LOCATION OF UNDERGROUND FEATURES CANNOT BE ACCURATELY, COMPLETELY AND RELIABLY DEPICTED. WHERE ADDITIONAL OR MORE DETAILED INFORMATION IS REQUIRED, THE CLIENT IS ADVISED THAT EXCAVATION MAY BE NECESSARY.

NM 811 LOCATE REQUEST TICKET NUMBER 23JN070468, CREATION DATE: 06/7/23.

THERE MAY BE PRIVATE UNDERGROUND UTILITY LINES NOT WITHIN DOCUMENTED EASEMENTS THAT WERE NOT MARKED OUT BY UTILITY LINE—SPOTTING COMPANIES NOTIFIED BY NM811

THIS PROJECT WAS CALLED IN TO NM811 AS A "DESIGN LOCATE". SOME UTILITY LINE—SPOTTING COMPANIES NOTIFIED BY NM811 CONSIDER "DESIGN LOCATE" CALLS AS LOW PRIORITY AND IN SOME CASES DELAY RESPONSE, PARTIALLY COMPLETE OR NOT RESPOND AT

THE RETAINING OF A PRIVATE UTILITY LINE—SPOTTING COMPANY MAY BE NECESSARY FOR COMPLETE UTILITY LINE—SPOTTING OF A SUBJECT PROPERTY.

PAINT MARKS AND FLAGGING SET ON THE GROUND BY UTILITY COMPANIES AND OTHERS ARE USED TO DESIGNATE UNDERGROUND UTILITIES AS SHOWN HEREON: RED FOR ELECTRIC, BLUE FOR WATER, YELLOW FOR GAS, ORANGE FOR COMMUNICATIONS, GREEN FOR SEWER.

ANY PIPE SIZES OR MATERIAL TYPES SHOWN HEREON WERE DERIVED FROM ASBUILT PLANS AS PROVIDED BY THE VARIOUS UTILITY COMPANIES.

SURV—TEK, INC. MAKES NO REPRESENTATION THAT SAID INFORMATION IS CURRENT OR

ARCHITECT, ENGINEER, AND CONTRACTOR WILL BE RESPONSIBLE FOR VERIFICATION OF SAID INFORMATION DURING THEIR DESIGN PROCESS.

QUALIFIED SUBSURFACE UTILITY ENGINEERING (SUE) SERVICES MAY BE REQUIRED.

UTILITIES LABELED WITH AN ASTERISK (*) ARE DERIVED OR TRANSCRIBED FROM PROVIDED PLANS AND MUST BE VERIFIED BY THE APPROPRIATE UTILITY.

UTILITIES LABELED WITH AN POUND SIGN (#) ARE ASSUMED UTILITY LOCATIONS AND MUST BE VERIFIED BY THE APPROPRIATE UTILITY.

NOTE: NEW MEXICO GAS COMPANY AND CENTURYLINK FAILED TO RESPOND TO THE REQUEST FOR LINE SPOTTING. ALL UTILITIES SHOULD BE NOTIFIED BY NM ONE CALL FOR LINE SPOTTING AND VERIFICATION PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION.

SCHEDULE B, PART II - EXCEPTIONS

As contained in the Title Commitment prepared for this property by Old Republic National Title Insurance Company Commitment Number 2302537, Effective Date: June 2, 2023.

- 9. Reservations contained in the Patent from the United States of America, recorded August 21, 1905 in Book 35, Page 91, records of Bernalillo County, New Mexico.

 (Affects subject property— not plottable)
- Reservation of all mineral rights, including oil and gas, as contained in the Warranty Deed recorded September 28, 1959 in Book D 504, Page 417 as Document No. 37421, records of Bernalillo County, New Mexico. (Affects subject property— non survey matter, not plottable)
- Certificate recorded July 21, 1959 in Book Misc. 28, Page 273 as Document No. 26972 and Restrictive Covenants to Run With The Land recorded May 27, 1960 in Book D 544, Page 383 as Document No. 71759, records of Bernalillo County, New Mexico. NOTE: This exception omits any covenant, condition or restriction based on race, color, religion, sex, handicap, familial status or national origin as provided in 42 U.S.C. Sec. 3604, unless and only to the extent that the covenant (a) is not in violation of state or federal law, (b) is exempt under 42 U.S.C. Sec. 3607, or (c) relates to a handicap, but does not discriminate against handicapped people. (Affects subject property— not plottable)
- Easement, and rights incident thereto, in favor of Public Service Company of New Mexico and The Mountain States Telephone and Telegraph Company, recorded January 29, 1974 in Book Misc. 351, Page 72 as Document No. 91828, records of Bernalillo County, New Mexico. (Affects subject property— plotted hereon)
- Easements and notes as shown, noted and provided for on the Plats recorded February 5, 1964 in Volume D3, folio 88, 89 and 90; recorded January 7, 1988 in Volume C35, folio 118; recorded August 22, 1989 in Volume C39, folio 152; recorded April 23, 1997 in Volume 97C, folio 119 and recorded August 3, 2001 in Plat Book 2001C, Page 225, records of Bernalillo County, New Mexico.

 (Affects subject property— easements plotted hereon)
- 14.) Restrictions regarding public utility easements, as set forth on the Plat recorded August 3, 2001 in Plat Book 2001C, Page 225, records of Bernalillo County, New Mexico.

 (Affects subject property— easements plotted hereon.)
- Easements and notes as shown, noted and provided for on the Plat recorded December 14, 2022 in Plat Book 2022C, Page 139, records of Bernalillo County, New Mexico.

 (Affects subject property— easements plotted hereon.)
- Pro rata charges for water, sewer, and/or standby charges and any possible assessments for paving, sidewalk, sewer and water extensions which are or might be a lien by law, but have not yet been filed for record in the office of the County Clerk of Bernalillo County, New Mexico. (Affects subject property— non survey matter)

DOCUMENTS USED IN THE PREPARATION OF THIS SURVEY:

- A. Plat entitled "PLAT FOR TRACT A, SNOW VISTA INVESTORS, TOWN OF ATRISCO GRANT, PROJECTED SECTION 33, T. 10 N., R. 2 E., NMPM, CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, MAY 2001", filed August 3, 2001, in Volume 2001C, Folio 225, records of Bernalillo County, New Mexico.
- B. Plat entitled "PLAT OF TRACT 50-A-2 & PARCEL 6-4, UNIT 5, ATRISCO VILLAGE, BEING A REPLAT OF TRACT 50-A-1, ALBUQUERQUE, NEW MEXICO, FEBRUARY, 1997", filed April 23, 1997, in Volume 97C, Folio 119, records of Bernalillo County, New Mexico.
- C. Plat entitled "CORRECTED REPLAT OF TRACT 50-A & 50-B, UNIT 5, ATRISCO VILLAGE, TOGETHER WITH A VACATED PORTION OF A 60' ALLEY AND DRAINAGEWAY, ALBUQUERQUE, NEW MEXICO, AUGUST, 1987", filed August 22, 1989, in Volume C39, Folio 152, records of Bernalillo County, New Mexico.
- D. Plat entitled "PLAT SHOWING SNOW VISTA DIVERSION CHANNEL DRAINAGE RIGHTS—OF—WAY, PROJ. SECT. 4, T.9N., R.2E. AND PROJ. SECT.S 28, 29, 32 & 33, T.10N., R.2E., N.M.P.M., BERNALILLO COUNTY, NEW MEXICO, APRIL 1988", filed August 3, 1988, in Volume C37, Folio 26, records of Bernalillo County, New Mexico.
- E. Plat entitled "UNIT 5, ATRISCO VILLAGE, BLOCKS 50 THRU 63 OF SNOW VISTA SUBDIVISION, TOWN OF ATRISCO GRANT, ALBUQUERQUE, NEW MEXICO", filed February 5, 1964, in Volume D3, Folio 90, records of Bernalillo County, New Mexico.
- F. Title Report prepared for this property by Old Republic National Title Insurance Company Commitment Number 2302537, Effective Date: June 2, 2023.
- G. Plat of Lots 1A, 1B, 1C, 1D and 1E, SNOW VISTA INVESTORS, Town of Atrisco Grant, Projected Section 33, Township 10 North, Range 2 East, N.M.P.M., Albuquerque, Bernalillo County, New Mexico, as the same is shown and designated on the Plat thereof, filed in the office of the County Clerk of Bernalillo County, New Mexico on December 14, 2022 in Plat Book 2022C, Page 139.

A.L.T.A. / N.S.P.S. LAND TITLE SURVEY LOT 1C SNOW VISTA INVESTORS

WITHIN

TOWN OF ATRISCO GRANT
PROJECTED SECTION 33, TOWNSHIP 10 NORTH, RANGE 2 EAST
NEW MEXICO PRINCIPAL MERIDIAN
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO

JULY , 2023

1105 SNOW VISTA BOULEVARD S.W.

REVISED AUGUST , 2023

TITLE COMMITMENT LEGAL DESCRIPTION

As contained in the Title Commitment prepared for this property by Old Republic National Title Insurance Company Commitment Number 2302537, Effective Date: June 2, 2023.

Lot 1C of SNOW VISTA INVESTORS, Town of Atrisco Grant, Projected Section 33, Township 10 North, Range 2 East, N.M.P.M., Albuquerque, Bernalillo County, New Mexico, as the same is shown and designated on the Plat thereof, filed in the office of the County Clerk of Bernalillo County, New Mexico on December 14, 2022 in Plat Book 2022C, Page

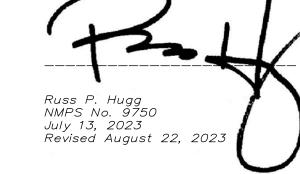
FLOOD ZONE DETERMINATION

The subject property (as shown hereon) lies within Zone "X" (Area of minimal flood hazard) accordance with the National Flood Insurance Program Rate Map No. 35001C0336 H, Effective Date 08/16/2012.

SURVEYORS CERTIFICATION

To: Northern Partners Holdings. LLC; Lawrence Goodman Revocable Trust U/A/D 12/6/77 and Old Republic National Title Insurance Company

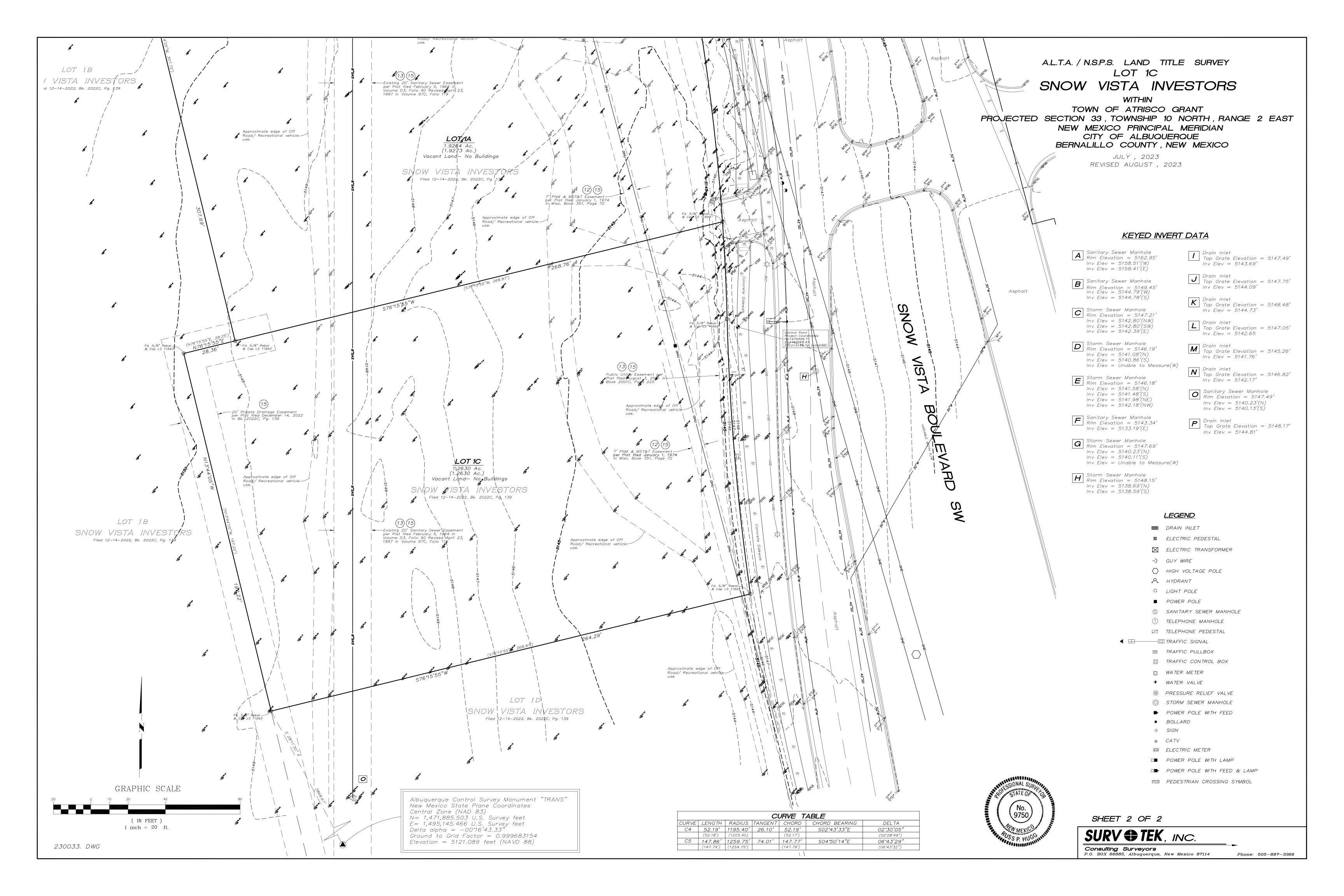
This is to certify that this map or plat and the survey on which it is based were made in accordance with the 2021 Minimum Standard Detail Requirements for ALTA/NSPS Land Title Surveys, jointly established and adopted by ALTA and NSPS, and includes Items 1, 2, 3, 4, 5, 6(b), 8, 9, 11(a)(b), 13, 16, 17, and 18 of Table A thereof. The field work was completed on July 10, 2023.





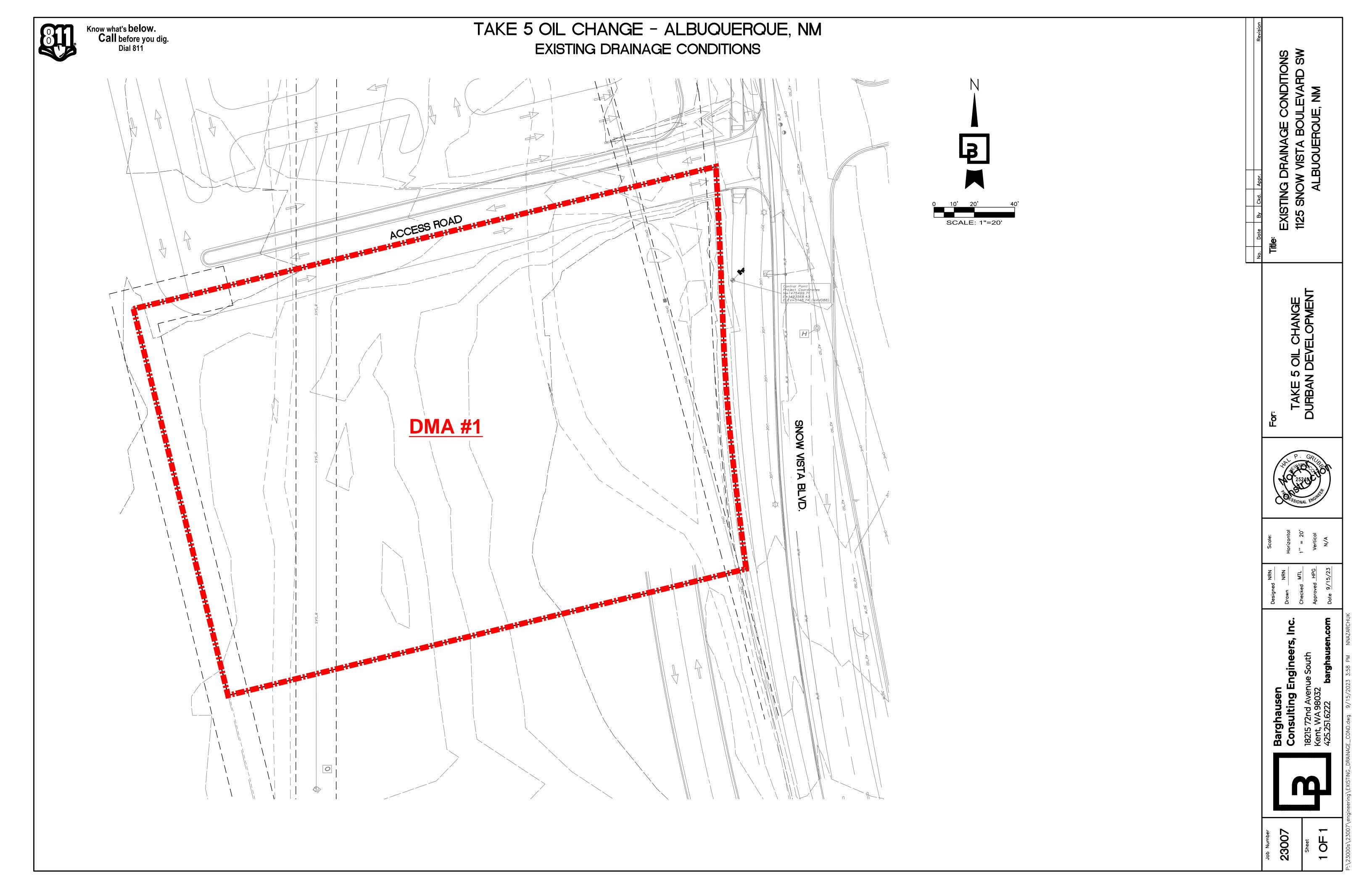
SHEET 1 OF 2

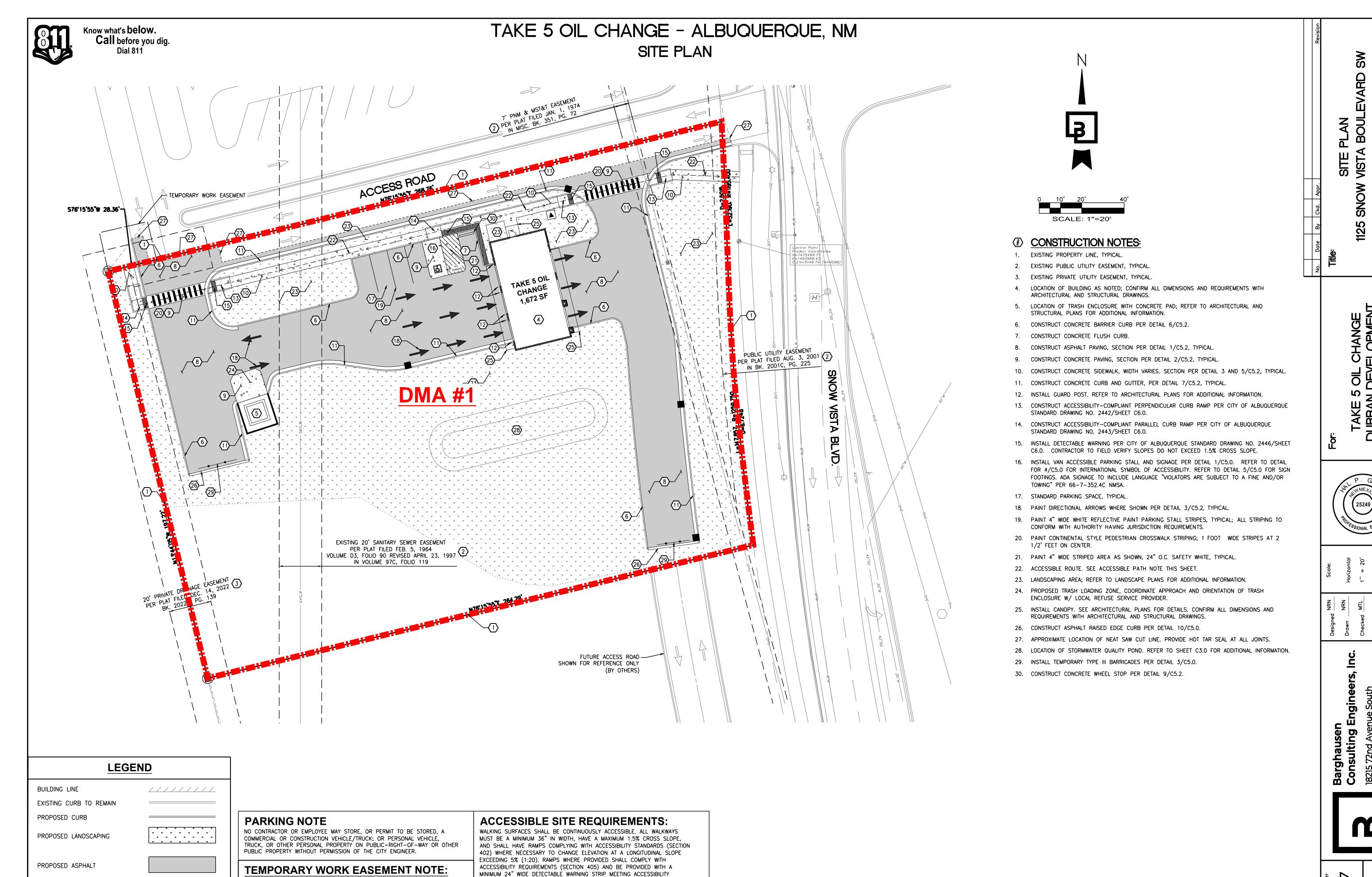




Appendix B

Pre-Developed Drainage Exhibit Proposed Drainage Management Areas Exhibit





REQUIREMENTS (SECTION 406) SHALL BE PLACED WHERE A WALK CROSSES OR

ADJOINS A VEHICULAR WAY AND IS NOT SEPARATED BY A CURB, RAILING, OR

OTHER ELEMENT MEETING ACCESSIBILITY STANDARDS.

CLIENT TO OBTAIN TEMPORARY WORK EASEMENT AGREEMENT; COORDINATE WITH

ADJACENT PROPERTY OWNER, PRIOR TO CONSTRUCTION OF ANY OFF-SITE WORK.

PROPOSED CONCRETE