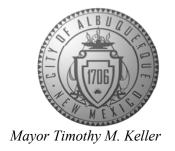
CITY OF ALBUQUERQUE

Planning Department Alan Varela, Director



January 19, 2024

Brad Bingham, P.E. Bingham Engineering 515 Montclaire SE Albuquerque, NM 87108

RE: Hanover Studio

Grading Plan & Drainage Report Engineer's Stamp Date: 01/15/24 Hydrology File: J10D040A

Dear Mr. Arfman:

Based upon the information provided in your submittal received 12/09/2023, the Grading & Drainage Plan is approved for Building Permit, Grading Permit and Paving Permit. Please attach a copy of this approved plan in the construction sets for Building Permit processing along with a copy of this letter.

PO Box 1293

PRIOR TO CERTIFICATE OF OCCUPANCY:

Albuquerque

1. Engineer's Certification, per the DPM Part 6-14 (F): *Engineer's Certification Checklist For Non-Subdivision* is required.

NM 87103

2. Please pay the Payment-in-Lieu of \$ 31,768.00 by emailing the attached approved Waiver Application from Stormwater Quality Volume Management On-site to PLNDRS@cabg.gov. Once this is received, a receipt will then be produced and email back. Follow the instructions on the bottom of the form and pay it at the Treasury in Plaza de Sol. Once paid, please provide me proof of payment.

www.cabq.gov

As a reminder, 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.

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

Sincerely,

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

Renée C. Brissette

Planning Department



City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (DTIS)

Project Title:	Hydrology File #
City Address, UPC, OR Parcel:	
Applicant/Agent:	Contact:
	Phone:
Email:	
Applicant/Owner:	Contact:
	Phone:
Email:	
	s Site Plan Approval & ADMIN SITE is one that does not need it.)
TYPE OF DEVELOPMENT: PLAT	(#of lots) RESIDENCE
DFT S	ITE ADMIN SITE
RE-SUBMITTAL: YES NO	
DEPARTMENT: TRANSPORTAT	TION HYDROLOGY/DRAINAGE
DEFACTIVIENT: TRANSFORTAT	ION HIDROLOGI/DRAINAGE
Check all that apply under Both the Type o	of Submittal and the Type of Approval Sought:
TYPE OF SUBMITTAL:	TYPE OF APPROVAL SOUGHT:
ENGINEER/ARCHITECT CERTIFICAT	ION BUILDING PERMIT APPROVAL
PAD CERTIFICATION	CERTIFICATE OF OCCUPANCY
CONCEPTUAL G&D PLAN	CONCEPTUAL TCL DFT APPROVAL
GRADING & DRAINAGE PLAN	PRELIMINARY PLAT APPROVAL
DRAINAGE REPORT	FINAL PLAT APPROVAL
DRAINAGE MASTER PLAN	SITE PLAN FOR BLDG PERMIT DFT
CLOMR/LOMR	APPROVAL
TRAFFIC CIRCULATION LAYOUT (T	CL) SIA/RELEASE OF FINANCIAL GUARANTEE
ADMINISTRATIVE	FOUNDATION PERMIT APPROVAL
TRAFFIC CIRCULATION LAYOUT FO APPROVAL	OR DFT GRADING PERMIT APPROVAL
TRAFFIC IMPACT STUDY (TIS)	SO-19 APPROVAL
STREET LIGHT LAYOUT	PAVING PERMIT APPROVAL
OTHER (SPECIFY)	GRADING PAD CERTIFICATION
	WORK ORDER APPROVAL
	CLOMR/LOMR
	OTHER (SPECIFY)
ATE CHOMITTED.	

CITY OF ALBUQUERQUE PLANNING DEPARTMENT HYDROLOGY DEVELOPMENT SECTION

WAIVER APPLICATION FROM STORMWATER QUALITY VOLUME MANAGEMENT ON-SITE

GENERAL INFORMATION	
APPLICANT: Avatar Recoveries LL	.C _{DATE:} 1-6-2024
DEVELOPMENT: Hanover Studios	
LOCATION: 6501 Hanover NW, All	buquerque
STORMWATER QUALITY POND	VOLUME
~	ty and Low-Impact Development, the calculated volume is equal to the impervious area draining to evelopment sites and by 0.26 inches for
The required volume is 3971	_ cubic feet
The provided volume is 0	_ cubic feet
The deficient volume is 3971	_ cubic feet
WAIVER JUSTIFICATION	

Per the DPM Article 6-12(C), private off-site mitigation and payment-in-lieu may only be considered if management on-site is waived in accordance with the following criteria and procedures.

1. Management on-site shall be waived by the City Engineer if the following conditions are met:

- a. Stormwater quality can be effectively controlled through private off-site mitigation or through an arrangement (approved by the City) to use a cooperator's existing regional stormwater management infrastructure or facilities that are available to control stormwater quality.
- b. Any of the following conditions apply:
 - i. The lot is too small to accommodate management on site while also accommodating the full plan of development.
 - ii. The soil is not stable as demonstrated by a geotechnical report certified by a professional engineer licensed in the State of New Mexico.
 - iii. The site use is inconsistent with the capture and reuse of stormwater.
 - iv. Other physical conditions exist where compliance with on-site stormwater quality control leaves insufficient area.
 - v. Public or private off-site facilities provide an opportunity to effectively accomplish the mitigation requirements of the Drainage Ordinance (Part 14-5-2 ROA 1994) as demonstrated on as-built construction drawings and an approved drainage report.
 - vi. The developer constructs a project to replenish regional groundwater supplies at an off-site location.
 - vii. A waiver to State water law or acquisition of water rights would be required in order to implement management on site.
- 2. The basis for requesting payment-in-lieu or private off-site mitigation is to be clearly demonstrated on the drainage plan.

This project's justification: This project is the second phase of a multi-phase project
initiated 20 years ago, before SWQ mandates were enacted. The drainage solution
provided the site drain to an internal inlet/stormdrain system. The inlet is in a drive
aisle and modification to provide for the required SWQ volume is not feasible.

Bradley L Bingham, P.E.

Professional Engineer or Architect

PAYMENT-IN-LIEU			
	e DPM Article 6-12(C)(1), the amount of payment-in-lieu is deficient volume (cubic feet) times \$6 bic feet for detached single-family residential projects or \$8 per cubic feet for all other projects.		
AMO	UNT OF PAYMENT-IN-LIEU = $\$$ 31,768		
THI	S SECTION IS FOR CITY USE ONLY		
X	Waiver is approved. The amount of payment-in-lieu from above must be paid prior to Certificate of Occupancy.		
	Waiver is DENIED.		
	Renée C. Brissette 01/19/24		

City of Albuquerque Hydrology Section

DRAINAGE REPORT

Hanover Studios
6501 Hanover NW
Albuquerque, New Mexico
January 13, 2024

Prepared by:

Bingham Engineering, LLC

515 Montclaire Dr. SE

Albuquerque, New Mexico 87108

I certify that this report was prepared under my supervision, and I am a registered professional

engineer in the State of New Mexico in good standing.

City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
APPROVED

DATE:

DATE:

DATE:

HydroTrans #

J10D040A

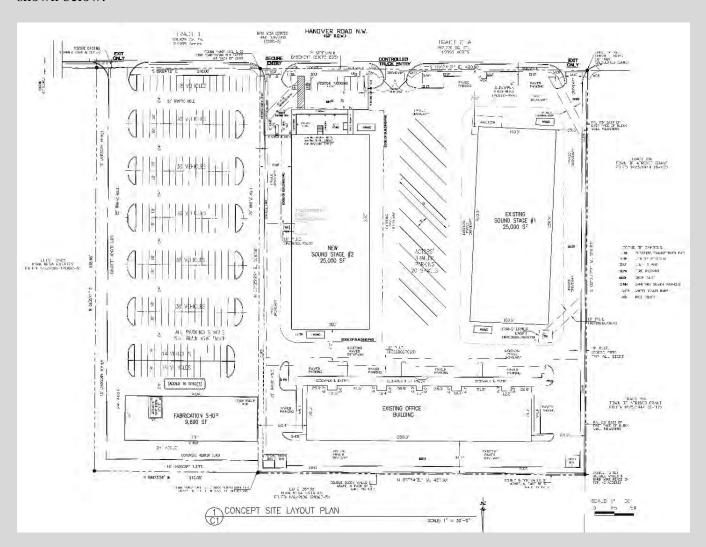
THE APPROVAL OF THESE PLANS/REPORT SHALL NOT BE
CONSTRUED TO PERMIT VIOLATIONS OF ANY CITY
ORDINANCE OR STATE LAW, AND SHALL NOT PREVENT
THE CITY OF ALBUQUERQUE FROM REPURING
CONSTRUED TO PERMOR OR DIMENSIONS IN PLANS
SPECIFICATIONS, OR CONSTRUCTIONS SUCH APPROVED PLANS
SHALL NOT BE CHANGED, MODIFIED OR ALTERED WITHOUT
AUTHORIZATION.

Bradley L. Bingham
PE NO. 12697

Introduction

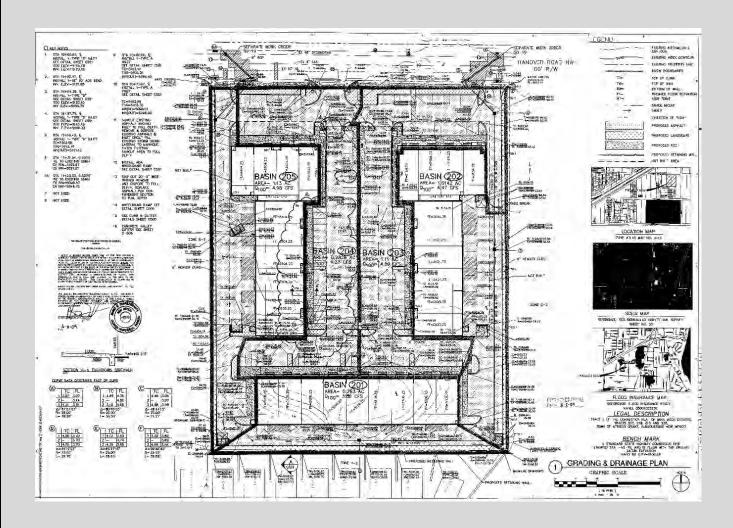
This report documents a proposed development on Tract 1 and Tract 2 of the Correction Plat of Mira Mesa Estates, filed 1-6-2006. It is bounded by Hanover Road to the north, and the Mira Mesa Estates Subdivision on the west and south. Phase I (J10-D040A) (see exhibit) constructed a 25,000 square foot studio, a 18,000 square foot support building and associated paved parking and drive aisles. A 25,000 square foot pad site was not paved to be used for future development.

Phase II of the Hanover Studio project will construct a 25,000 square foot pre-engineered metal building in Basin 205, a 9,690 square foot shop building on tract 1 and approximately 180 parking spaces. There will be a 15-landscape buffer on the west and south edge of the project. The conceptual site plan is shown below.



Existing Conditions

The following exhibit is the as-built certification for Phase I. It also demonstrates the sub-basin delineation of Tract 2. Basin 201, 202 and 203 drain to the northeast to an existing storm drain system connected to a storm drain in Hanover Rd. Basin 204 and 205 drain to a separate system, also connected to the Hanover system. Tract 1 (just to the west) is an undeveloped 2.5-acre parcel that currently drains into basin 205. See topographic exhibit and site pictures below.

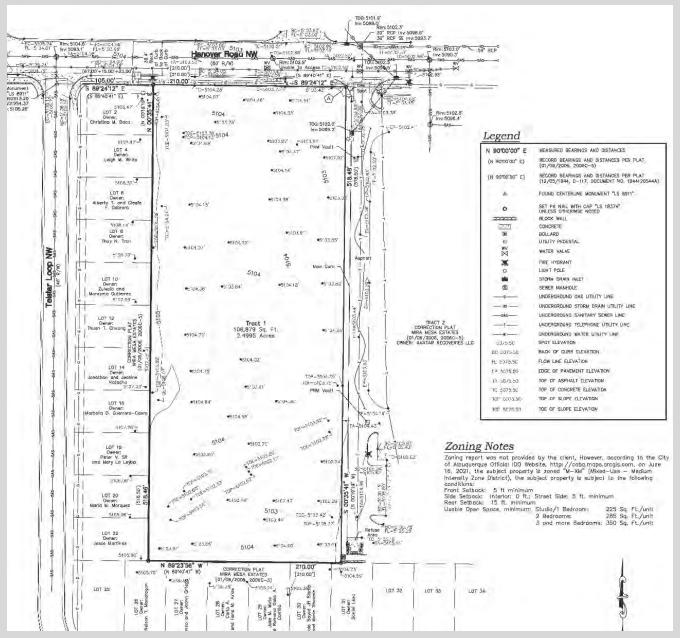


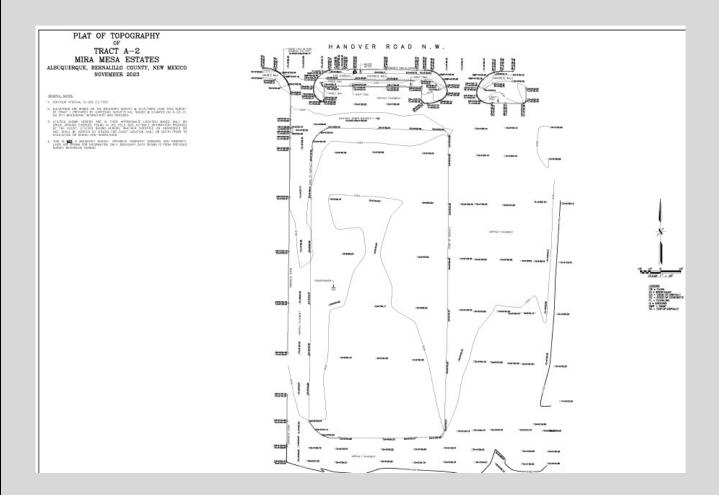












Flood Zone

As shown on FIRM panel 35001C0327H, eff 11/4/2016, the property lies within a Zone X, outside of a Special Flood Hazard Area of a 1% chance storm.

Proposed Conditions

Phase II of the Hanover Studio project will construct a 25,000 square foot pre-engineered metal building in Basin 205, a 9,690 square foot shop building on Tract 1 and approximately 180 parking spaces. There will be a 15-foot landscape buffer (non-contributing) on the west and south edge of the project.

The existing drainage patterns for Basin 204 and 205 will be maintained. The proposed studio building will continue to drain to the existing inlet. No increase in runoff is expected because there will be no increase in impervious area (per the original design). Tract 1 will continue to drain into Basin 205 and

subsequently to the inlet built with Phase I. The 15-foot landscape buffer will be graded so no runoff leaves it, therefore total impervious area from Tract 1 equals 2.25 acres (90%) draining to the inlet.

The owner has elected to pay Payment in Lieu, as calculated below.

Methodology and Calculations

Per the City of Albuquerque DPM regulations (Chapter 6), the runoff from the Phase II project can be calculated using Table 6.3.8. The site is in Zone 1. SWQV is determined by

_	Area	Ex runoff	Dev runoff	SWQ Vol
New studio bldg.	25000 sf	2.34 cfs	2.34 cfs	541 cf
Tract 1	98010 sf	3.85 cfs	9.27 cfs	3,430 cf

Summary

The construction of this project will produce a slight increase of 5.4 cfs entering the existing inlet. The inlet is a COA Type C (single grate, double throat) in a sump condition, which will be modified to be fitted with a COA Type D grate. The connector to the Hanover Rd system is an 18" ADS SD at 5%, which can easily handle the small increase.

PLAT OF TOPOGRAPHY

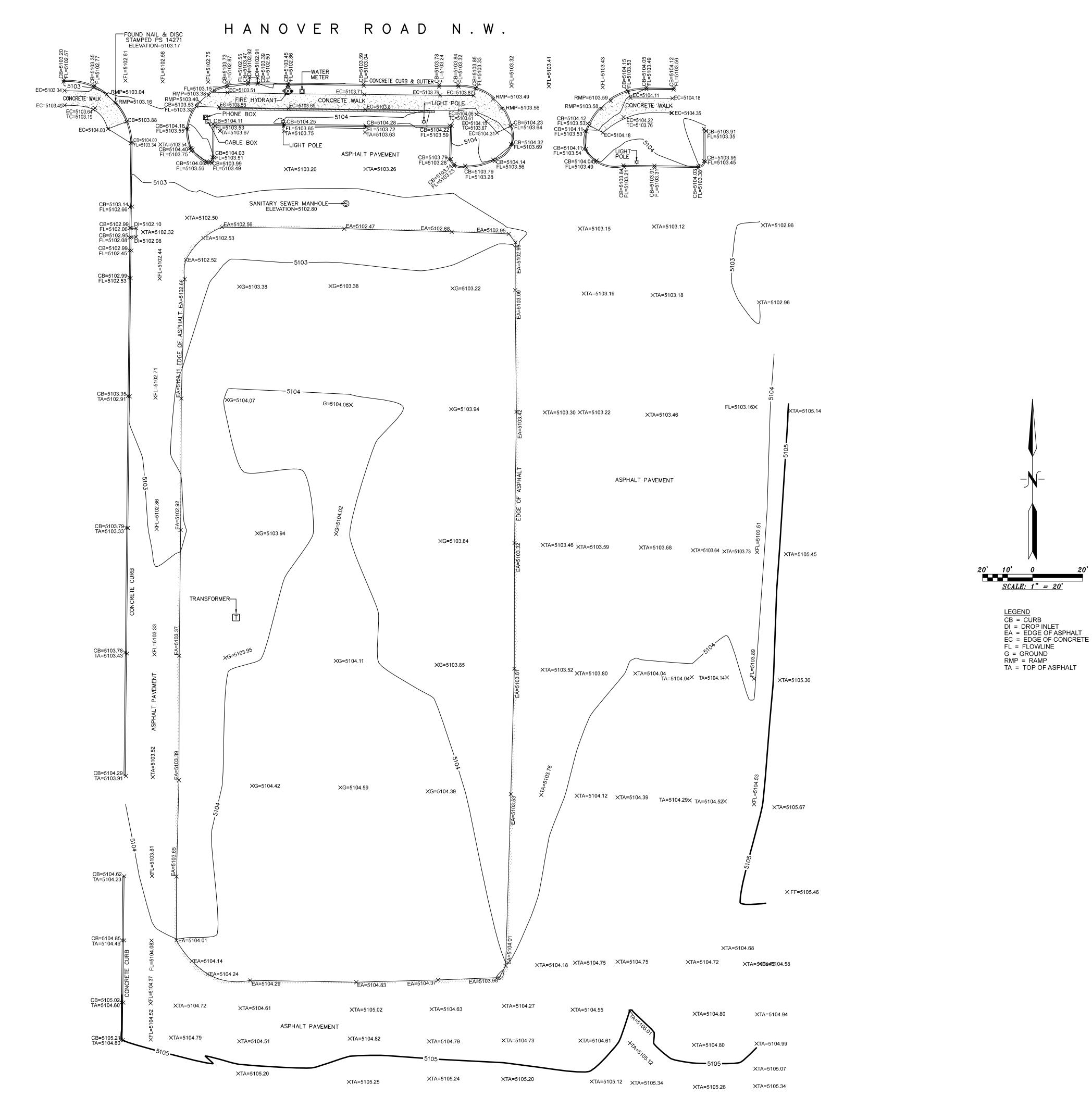
OF

TRACT A-2 MIRA MESA ESTATES

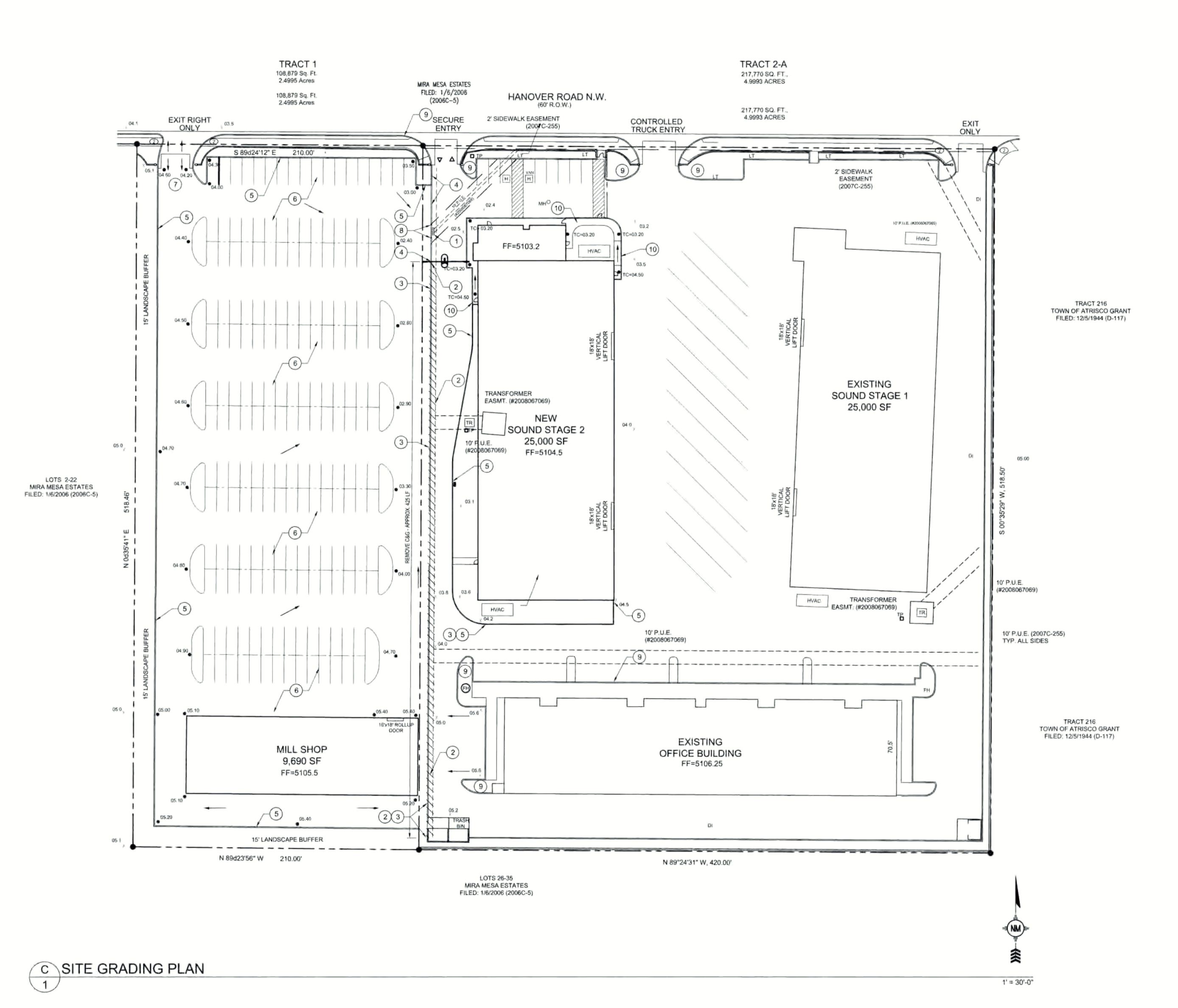
ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO NOVEMBER 2023

GENERAL NOTES:

- 1: CONTOUR INTERVAL IS ONE (1) FOOT.
- 2: ELEVATIONS ARE BASED ON THE BOUNDARY SURVAY & ALTA/NSPS LAND TITLE SURVEY OF TRACT 1 PREPARED BY CARTESIAN SURVEYS INC. SIGNED & STAMPED ON 6-22-21. NO CITY BENCHMARK INFORMATION WAS PROVIDED.
- 3: UTILITIES SHOWN HEREON ARE IN THEIR APPROXIMATE LOCATION BASED ONLY ON ABOVE GROUND EVIDENCE FOUND IN THE FIELD AND AS—BUILT INFORMATION PROVIDED BY THE CLIENT. UTILITIES SHOWN HEREON, WHETHER INDICATED AS ABANDONED OR NOT, SHALL BE VERIFIED BY OTHERS FOR EXACT LOCATION AND/OR DEPTH PRIOR TO EXCAVATION OR DESIGN CON—SIDERATIONS.
- 4: THIS IS **NOT** A BOUNDARY SURVEY. APPARENT PROPERTY CORNERS AND PROPERTY LINES ARE SHOWN FOR INFORMATION ONLY. BOUNDARY DATA SHOWN IS FROM PREVIOUS SURVEY REFERENCE HEREON



Anthony L. Harris, N.M.P.S.#11463 HARRIS SURVEYING, INC. 1308 Cielo Vista Del Sur, NW • Corrales, New Mexico 87048 Telephone (505) 250-2273 •



SHEET NOTES:

 NEW SPOT ELEVATIONS ARE TO FLOW LINE OF CURB & GUTTER, TYP.

EXISTING STORM DRAIN IN HANOVER NOT SHOWN FOR CLARITY.

KEYED NOTES:

1 EXISTING DRAINAGE INLET TO REMAIN. INV = 99.67 TOG=02.00

2 REMOVE EXISTING CURB & GUTTER AND PREPARE FOR NEW PAVEMENT.

MATCH EXISTING EDGE OF PAVEMENT.

EXISTING CURB & GUTTER AND STORM INLET TO REMAIN.

5 NEW 6" CURB & GUTTER.

6 NEW 3" AC PAVEMENT.

6 NEW 3" AC PAVEMEN

7 NEW WATER BLOCK AT NEW DRIVEWAY.

8 NEW 6" CURB CUT ON EACH SIDE OF EXISTING INLET.

9 EXISTING CURB TO REMAIN UNDISTURBED.

10 NEW CONCRETE SIDEWALK & RAMP.

LEGEND:

EX SPOT EL

NEW SPOT EL

////

C&G TO BE REMOVED

GE PLAN

ALBUQUERQUE, NEV

BINGHAM ENGINEERING, L 515 Montclaire Drive, SE Albuquerque, New Mexico, 87108 (505) 258-1277

€

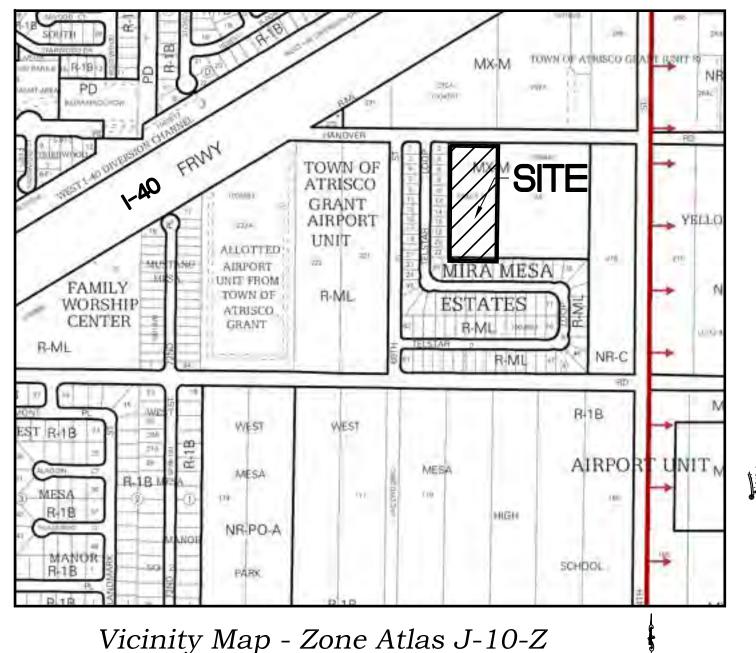
Figure, New Mexico 87106 505.345.3850

HSX HSX BLB BLB BLB STOOL STOO

C-1

1"=30"

23-14



Indexing Information

Section 15, Township 10 North, Range 2 East, N.M.P.M. as Projected into the Town of Aristo Grant Subdivision: Mira Mesa Estates Owner: Park & Shuttle Inc. Etal. UPC #: 101005841545710502

Easement Notes

(10) 1 EXISTING 10' PNM EASEMENT (4/24/86, C3-78)

Surveyor's Observations

A PUBLIC SIDEWALK INTO SUBJECT PROPERTY BY AS MUCH AS 7.9 FEET.

Record and Measured Legal Description

TRACT ONE (1) OF THE CORRECTION PLAT OF MIRA MESA ESTATES. TOWN OF ATRISCO GRANT, ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, AS THE SAME IS SHOWN AND DESIGNED ON THE PLAT THEREOF, FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO, ON JANUARY 6, 2006, IN PLAT BOOK 2006C, PAGE 5.

Boundary Survey ALTA/NSPS Land Title Survey

Tract 1, Mira Mesa Estates

City of Albuquerque Bernalillo County, New Mexico June 2021

Notes

- FIELD SURVEY PERFORMED IN JUNE 2021. ALL DISTANCES ARE GROUND DISTANCES: U.S. SURVEY FOOT.
- 3. THE BASIS OF BEARINGS REFERENCES NEW MEXICO STATE PLANE COORDINATES (NAD 83-CENTRAL ZONE)
- 4. NO BUILDINGS EXISTING ON THE SURVEYED PROPERTY. 5. NO EVIDENCE OBSERVED INDICATING RECENT EARTHWORK, BUILDING CONSTRUCTION OR ADDITIONS
- 6. WITH REGARD TO UNDERGROUND UTILITY LOCATIONS, SOURCE INFORMATION FROM PLANS AND MARKINGS WERE COMBINED WITH OBSERVED EVIDENCE OF UTILITIES PURSUANT TO SECTION 5.E.iv. TO DEVELOP A VIEW OF THE UNDERGROUND UTILITIES. HOWEVER, LACKING EXCAVATION, THE EXACT LOCATION OF UNDERGROUND FEATURES CANNOT BE ACCURATELY. COMPLETELY AND RELIABLY DEPICTED. IN ADDITION, IN SOME JURISDICTIONS, 811 OR OTHER SIMILAR UTILITY LOCATE REQUESTS FROM SURVEYORS MAY BE IGNORED OR RESULT IN AN INCOMPLETE RESPONSE WHICH MAY AFFECT THIS SURVEYOR'S ASSESSMENT OF THE LOCATION OF THE UTILITIES. WHERE ADDITIONAL OR MORE DETAILED INFORMATION IS REQUIRED, THE CLIENT IS ADVISED THAT THAT EXCAVATION AND/OR A PRIVATE UTILITY LOCATE REQUEST MAY BE NECESSARY. (NM811 TICKET
- NO. 21MY270366) 7. PARTY WALL IS DEFINED AS A WALL ERECTED ON A PROPERTY BOUNDARY AS A COMMON SUPPORT TO STRUCTURES ON BOTH SIDES, WHICH HAVE DIFFERENT OWNERSHIPS. THERE ARE NO PARTY WALLS ON THE SUBJECT PROPERTY OTHER THAN SHOWN HEREON AS
- 8. WHILE NO SPECIFIC INFORMATION IS AVAILABLE BY THE CONTROLLING JURISDICTION CONCERNING PLANNED STREET WIDENING, THE SURVEYOR REFERS TO THE FOLLOWING WEBSITE FOR LONG RANGE STREET CLASSIFICATION, THE STREET WIDTH AND RETURN REQUIREMENTS FOR THE DIFFERENT CLASSIFICATIONS AND EVEN SPECIAL PLANNED CORRIDOR AND MASTER PLANS: HTTP://WWW.CABQ.GOV/GIS
- 9. NO WETLAND DELINEATION MARKERS WERE OBSERVED IN THE FIELD DURING THIS SURVEY 10. THE COORDINATES SHOWN HEREON REFERENCE MODIFIED NEW MEXICO
- STATE PLANE COORDINATES (NAD 83-GROUND-CENTRAL ZONE), USING GROUND TO GRID FACTOR OF 0.999679308, WITH AN ORIGIN OF (0,0).

CORRECTION PLAT

Inv: 5090.3

Rim: 5102.8'

----SAS------

Legend

N 90°00'00" E

(N 90°00'00" E)

[N 90°00'00" E]

7////

——sas—

_ Inv: 5096.4'

30" RCP Inv: 5096.8' 30" RCP SE Inv: 5093.7'

> CONCRETE BOLLARD UTILITY PEDESTAI WATER VALVE FIRE HYDRANT

BLOCK WALL

LIGHT POLE

STORM DRAIN INLET SEWER MANHOLE ——G —

UNDERGROUND GAS UTILITY LINE UNDERGROUND STORM DRAIN UTILITY LINE — SD — UNDERGROUND SANITARY SEWER LINE UNDERGROUND TELEPHONE UTILITY LINE

MEASURED BEARINGS AND DISTANCES

(01/06/2006, 2006C-5)

RECORD BEARINGS AND DISTANCES PER PLAT

RECORD BEARINGS AND DISTANCES PER PLAT

FOUND CENTERLINE MONUMENT "LS 8911"

SET PK NAIL WITH CAP "LS 18374"

(12/05/1944, D-117, DOCUMENT NO. 1944120544A)

—т— UNDERGROUND WATER UTILITY LINE SPOT ELEVATION

BACK OF CURB ELEVATION BC 5075.50 FLOW LINE ELEVATION FL 5075.50 EDGE OF PAVEMENT ELEVATION EP 5075.50

TOP OF ASPHALT ELEVATION TA 5075.50 TOP OF CONCRETE ELEVATION TC 5075.50

TOP OF SLOPE ELEVATION TOP 5075.50 TOE OF SLOPE ELEVATION TOE 5075.50

Zoning Notes

Zoning report was not provided by the client, However, according to the City of Albuquerque Official IDO Website, http://cabq.maps.arcgis.com, on June 16, 2021, the subject property is zoned "M-XM" (Mixed-Use - Medium Intensity Zone District), the subject property is subject to the following conditions:

Front Setback: 5 ft minimum

Side Setback: Interior: 0 ft.; Street Side: 5 ft. minimum

Centerline Monument

With Cap "LS 8911"

E: 1502499.60

Elev: 5102.50'

N:1491959.36 ——**-**♠

Rear Setback: 15 ft. minimum

Usable Open Space, minimum: Studio/1 Bedroom: 225 Sq. Ft./unit 2 Bedrooms:

285 Sq. Ft./unit 3 and more Bedrooms: 350 Sq. Ft./unit

BAR SCALE

SCALE: 1" = 40'

Will Plotner Jr. N.M.R.P.S. No. 1427

were made in accordance with the 2021 Minimum Standard Detail

Requirements for ALTA/NSPS Land Title Surveys, jointly established and

Mexico limited liability company, Park & Shuttle Inc. Etal:

06/16/21 — Original

Surveyor's Certificate

Work was completed on June 14, 2021.

06/21/21 - Revised to include topographic data. 06/22/21 - Revised to clarify exceptions 11's multiple documents

To: First American Title Insurance Company, Maida Vale Interests, LLC, a New

This is to certify that this map or plat and the survey on which it is based

adopted by ALTA and NSPS, and includes items 1-5, 6(a), 6(b), 7(a), 7(b1),

7(c), 8, 9, 10, 11(a), 11(b), 13, 14 and 16-21 of Table A thereof. The Field

I, Will Plotner Jr., New Mexico Professional Surveyor No. 14271, do hereby certify that this boundary survey plat and the actual survey on the ground upon which it is based were performed by me or under my direct supervision; that I am responsible for this survey; that this survey meets the minimum standards for surveying in New Mexico; and that it is true and correct to the best of my knowledge and belief. I further certify that this survey is not

N.M.R.P.S. No. 1427

Revisions:



P.O. BOX 44414 RIO RANCHO, N.M. 87174 Phone (505) 896 - 3050 Fax (505) 891 - 0244 wplotnerjr@gmail.com

a land division or subdivision as defined in the New Mexico subdivision act and that this instrument is a boundary survey plat of an existing tract or



CSI-CARTESIAN SURVEYS IN

Sheet 1 of 1

- Exceptions 9-13 9 RESERVATIONS CONTAINED IN PATENT FROM UNITED STATES OF AMERICA RECORDED IN BOOK 35, PAGE 91, RECORDS OF BERNALILLO COUNTY, NEW MEXICO. AFFECTS SUBJECT PROPERTY-BLANKET IN NATURE
- (10) EASEMENT(S) RESERVED ACROSS THE LAND, COVENANTS AND CONDITIONS AS SHOWN AND NOTED ON THE RECORDED PLAT. FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO, ON JANUARY 6, 2006, IN PLAT BOOK 2006C, PAGE 5. AFFECTS SUBJECT PROPERTY-SHOWN HEREON AS 1
- 11 {a} RIGHT-OF-WAY EASEMENT TO AMERICAN TELEPHONE AND TELEGRAPH COMPANY OF WYOMING, DATED DECEMBER 13, 1929, RECORDED MAY 17, 1930, IN BOOK 112, PAGE 290, RECORDS OF BERNALILLO COUNTY, NEW MEXICO. SAID EASEMENT AMENDED BY A {b} MODIFICATION EASEMENT DATED JANUARY 31, 1973, RECORDED FEBRUARY 13, 1973, IN BOOK MISC. 298, PAGE 635, AS DOCUMENT NO. 35087, RECORDS OF BERNALILLO COUNTY, NEW MEXICO. {c}SAID EASEMENT HAVING BEEN ASSIGNED TO THE MOUNTAIN STATES TELEPHONE AND TELEGRAPH COMPANY, A COLORADO CORPORATION, BY ASSIGNMENT DATED DECEMBER 26, 1977, RECORDED DECEMBER 13, 1977, IN BOOK MISC 575, PAGE 928, AS DOCUMENT NO. 77-77282, {d}AMENDED BY QUITCLAIM DEED FROM THE MOUNTAIN STATES TELEGRAPH AND TELEGRAPH COMPANY FILED JULY 8, 1988, RECORDED IN BOOK D337A, PAGE 559, AS DOCUMENT NO. 8861648; {e}AMENDED BY QUITCLAIM DEED FROM US WEST COMMUNICATIONS, INC. FILED DECEMBER 14, 1993 AS DOCUMENT NO. 93141149, RECORDS OF BERNALILLO COUNTY, NEW MEXICO.
- {a} DOES NOT AFFECT SUBJECT PROPERTY AFFECTS SUBJECT PROPERTY-BLANKET IN NATURE
- NOT SURVEY RELATED
- DOES NOT AFFECT SUBJECT PROPERTY DOES NOT AFFECT SUBJECT PROPERTY
- 12 TERMS AND CONDITIONS OF THAT CERTAIN REAL ESTATE CONTRACT OR MEMORANDUM THEREOF, EXECUTED BY AND BETWEEN JOHN LORENTZEN AND LOIS A. LORENTZEN, HUSBAND AND WIFE; PARK & SHUTTLE, INC., A NEW MEXICO CORPORATION; AND INFORMATICA, LLC, A NEW MEXICO LIMITED LIABILITY COMPANY, AS OWNER(S), AND MAIDA VALE INTERESTS, LLC, A NEW MEXICO LIMITED LIABILITY COMPANY, AS PURCHASER(S), AS DOCUMENT NO. _____ RECORDS OF BERNALILLO COUNTY, NEW MEXICO.
- 13 ANY MATTER ARISING AFTER THE DATE HEREOF WHICH COULD ADVERSELY AFFECT THE TITLE OF THE INSURED HEREUNDER BY REASON OF NON-DELIVERY OF PROPER DEED OR DEEDS CONVEYING TITLE TO SUBJECT PROPERTY TO THE ASSURED HEREUNDER AND THE EFFECT OF NON-DELIVERY OF SUBJECT DEED OR DEEDS; AND ANY CONDITION CONTAINED IN ANY REAL ESTATE CONTRACT AND/OR ASSIGNMENT OF ANY REAL ESTATE CONTRACT AFFECTING THE SUBJECT PROPERTY. NOT SURVEY RELATED

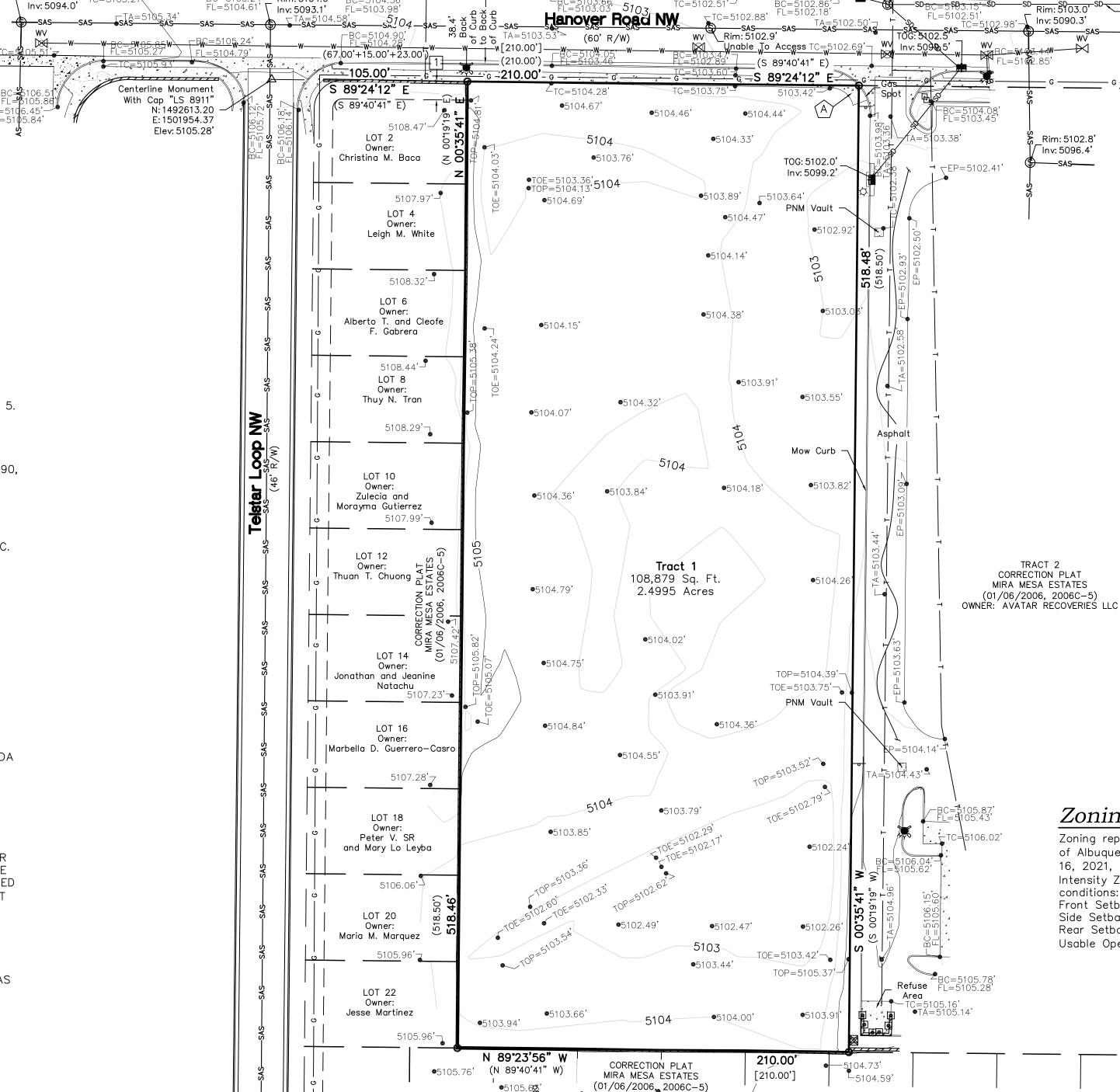
Flood Notes

NOT SURVEY RELATED

BASED UPON SCALING, THIS PROPERTY LIES WITHIN FLOOD ZONE X WHICH IS DEFINED AS AN AREA OF MINIMAL FLOOD HAZARD AS DETERMINED BY F.E.M.A. AND SHOWN ON THE FLOOD INSURANCE RATE MAP NO. 35001C0327J, DATED NOVEMBER 4, 2016.

Documents

- 1. TITLE COMMITMENT PROVIDED BY FIRST AMERICAN TITLE, HAVING FILE NO. 2634346-ALO4 AND AN EFFECTIVE DATE OF MAY 25, 2021.
- 2. CORRECTION PLAT OF MIRA MESA ESTATES FILED IN THE BERNALILLO COUNTY CLERK'S OFFICE ON JANUARY 6, 2006, IN BOOK 2006C, PAGE 5.
- 3. PLAT OF TOWN OF ATRISCO GRANT FILED IN THE BERNALILLO COUNTY CLERK'S OFFICE ON DECEMBER 05, 1944, IN BOOK D, PAGE 117, AS DOCUMENT NO. 1944120544A.
- 4. SPECIAL WARRANTY DEED FOR A 25% UNDIVIDED IN INTEREST OF THE SUBJECT PROPERTY TO PARK AND SHUTTLE, INC., FILED IN THE BERNALILLO COUNTY CLERK'S OFFICE ON MAY 23, 2014, AS DOCUMENT NO. 2014041129.
- 5. WARRANTY DEED FOR A 25% INTEREST OF THE SUBJECT PROPERTY TO PARK AND SHUTTLE, INC. FILED IN THE BERNALILLO COUNTY CLERK'S OFFICE ON NOVEMBER 17, 2014, AS DOCUMENT NO. 2014083633.
- 6. TRUSTEE'S DEED FOR A PORTION OF INTEREST IN THE SUBJECT PROPERTY TO JOHN AND LOIS LORENTZEN, FILED IN THE BERNALILLO COUNTY CLERK'S OFFICE ON APRIL 07, 2008, AS DOCUMENT NO. 2008039132.



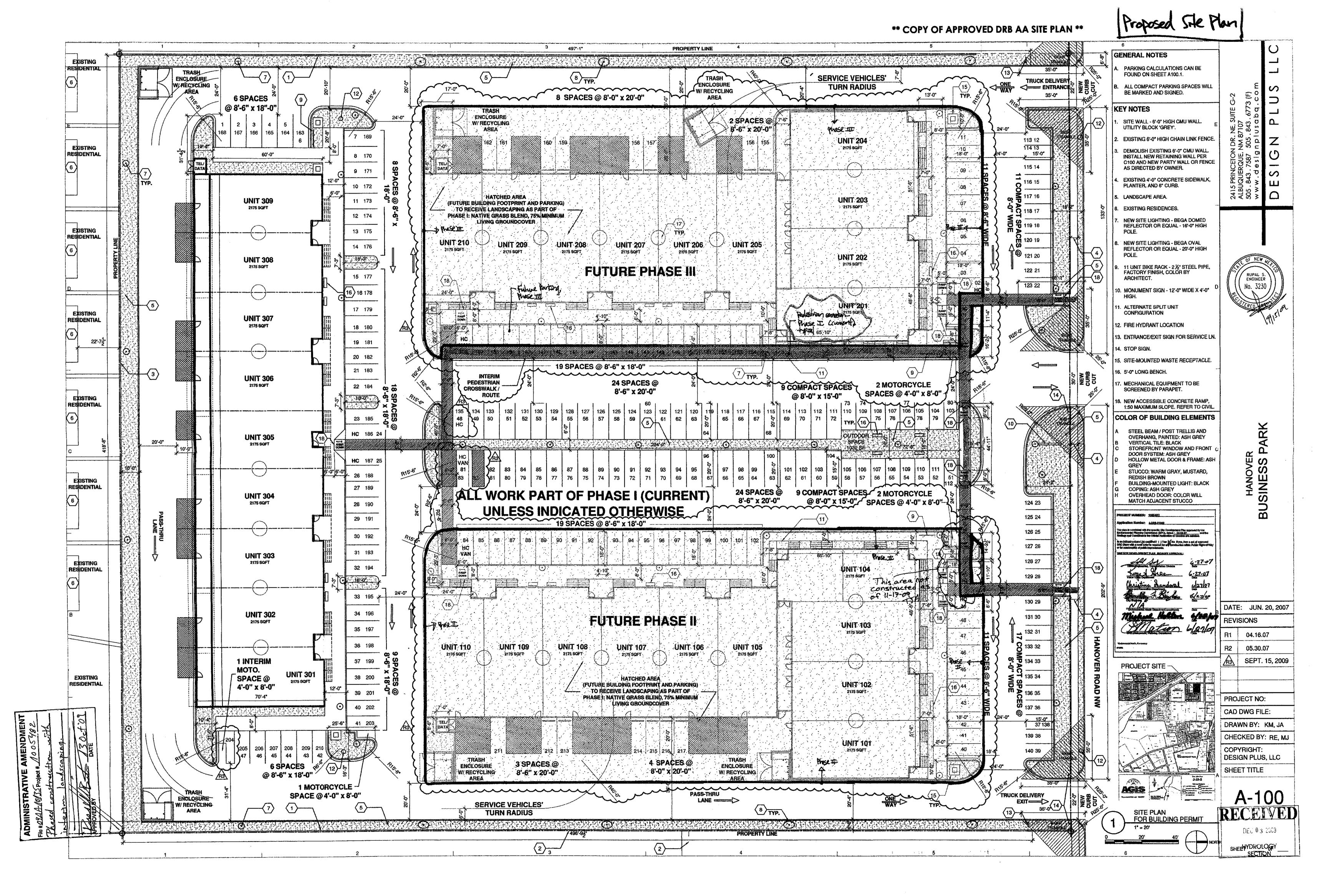
LOT 25

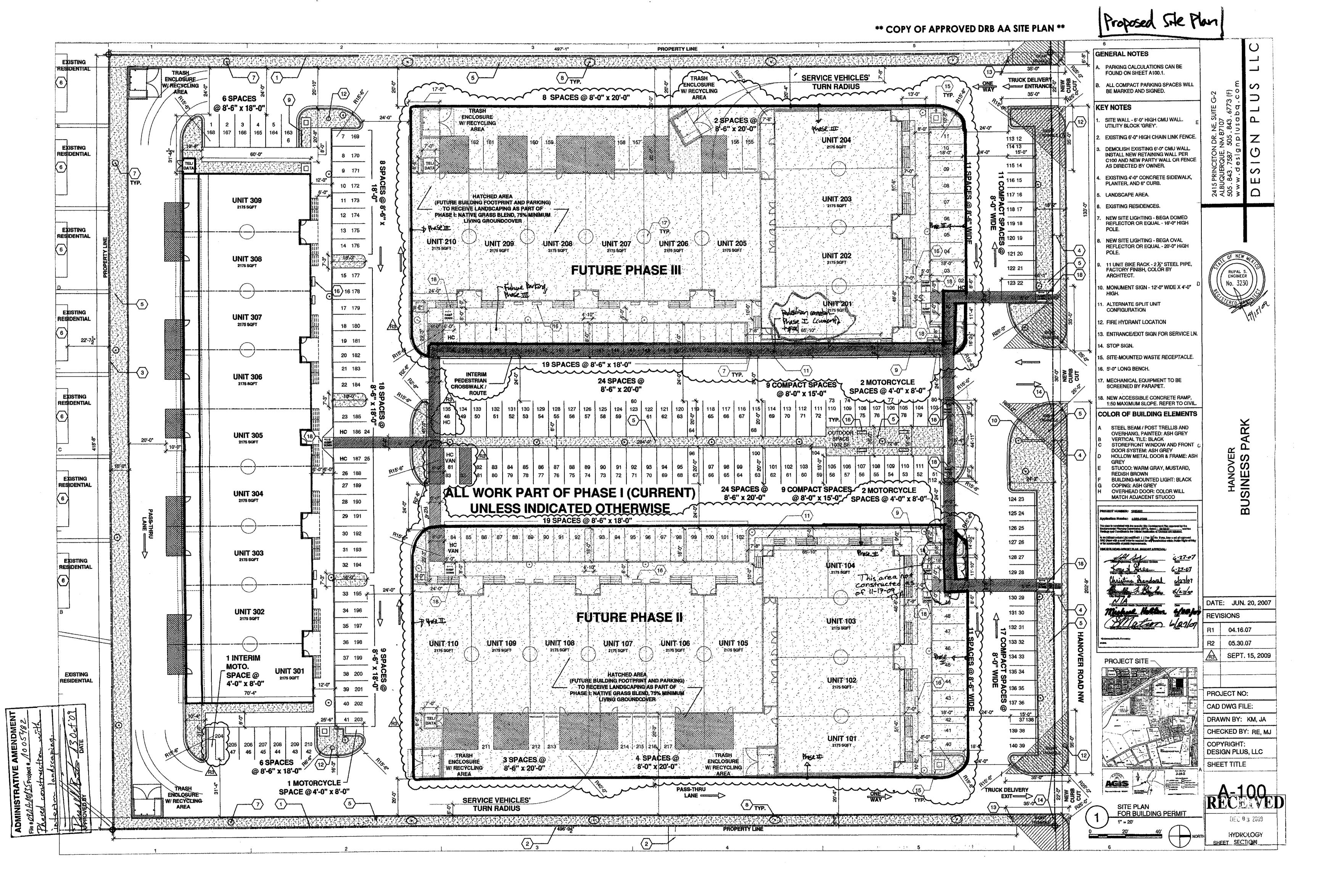
With Cap "LS 8911"

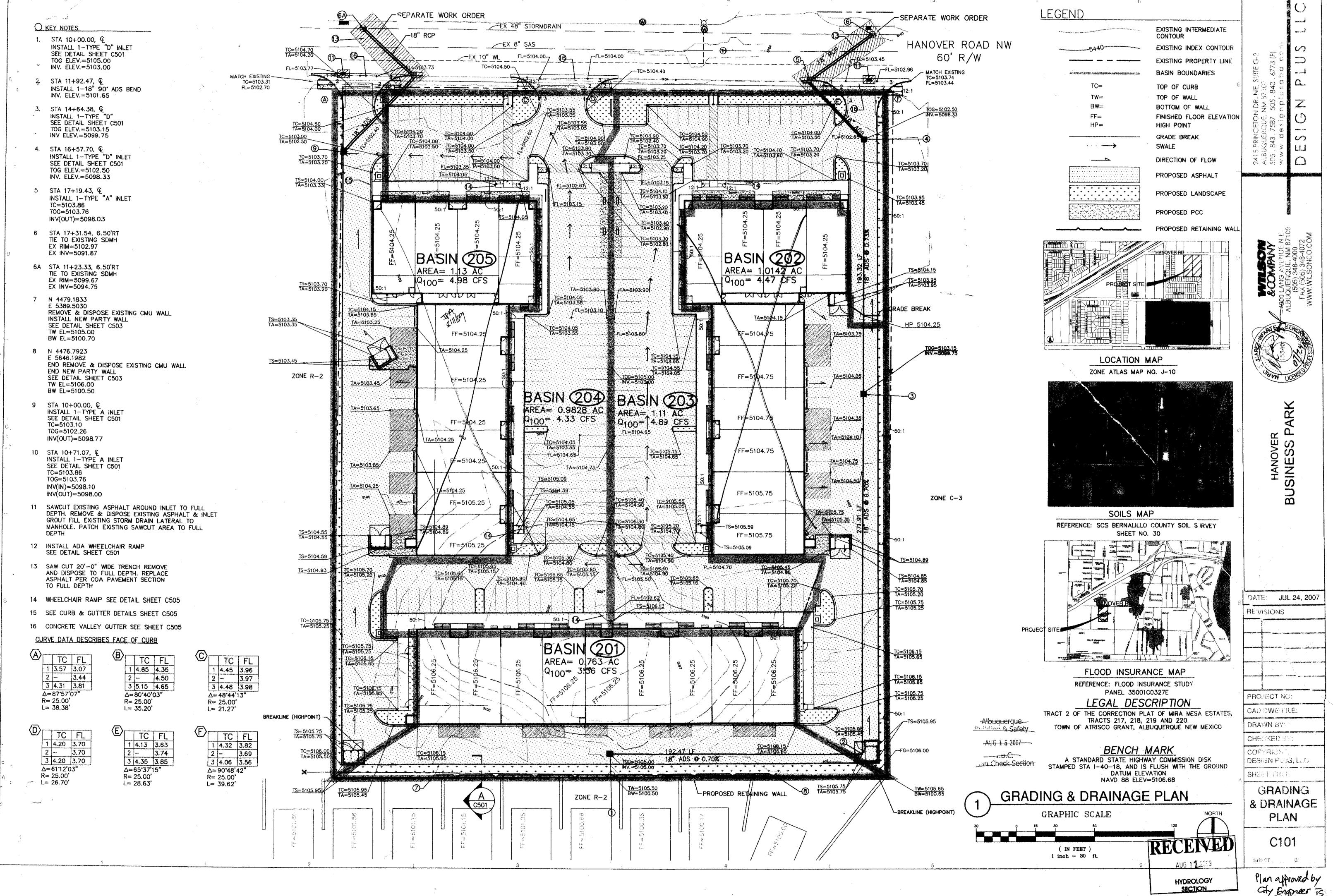
E: 15020220.64

Elev: 5104.76'

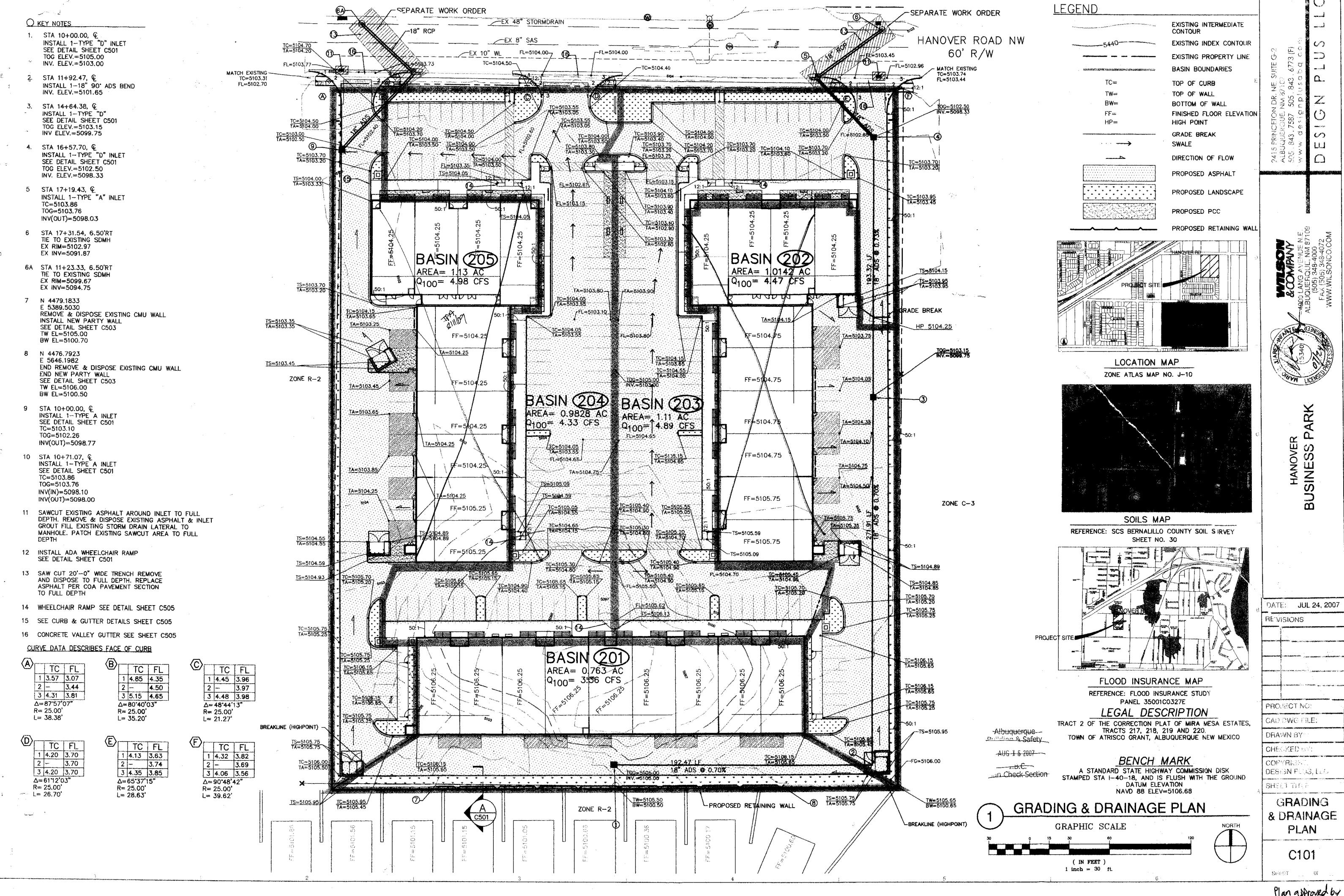
∧---- N:1491964.37



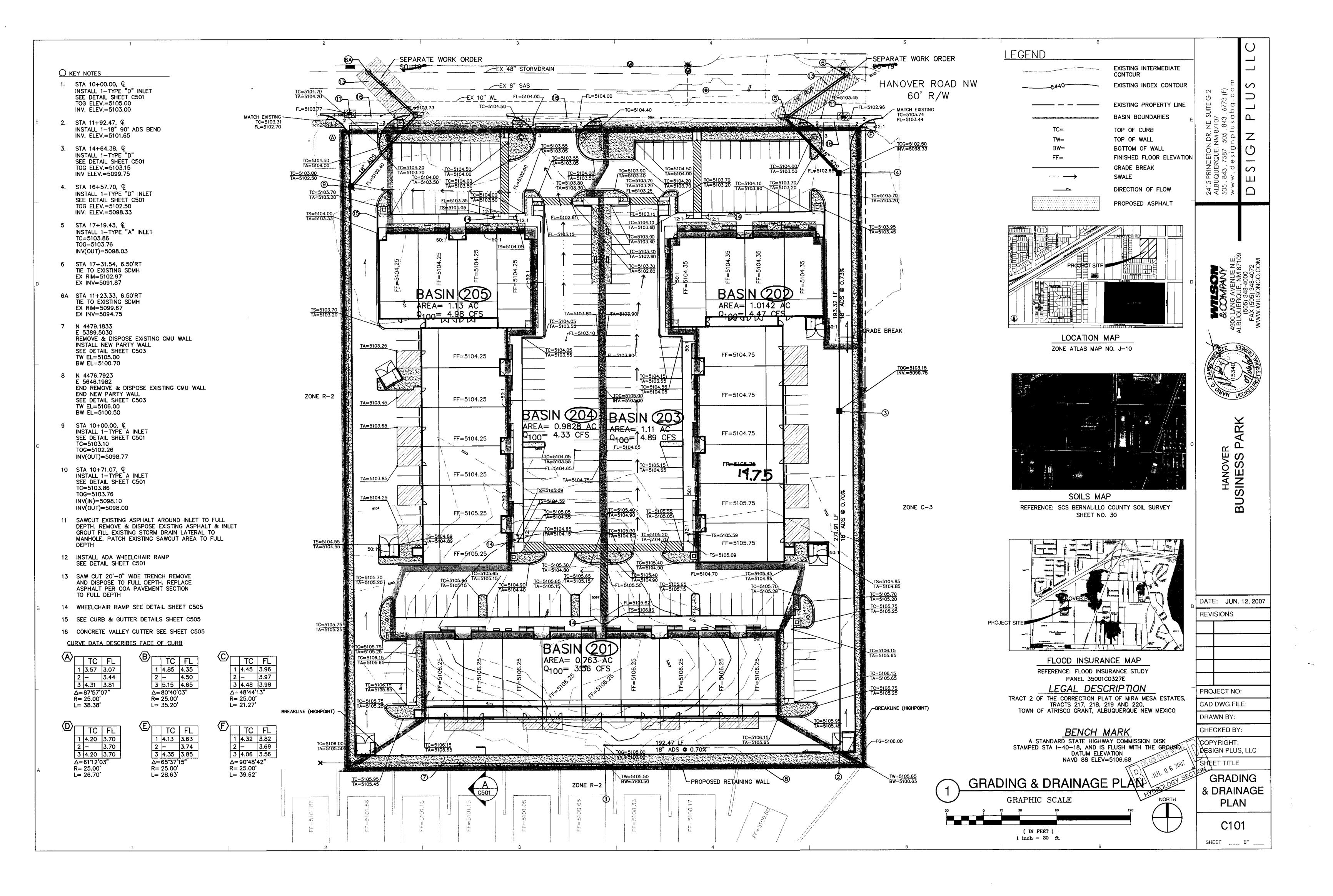




on following sheet



Plan approved by City Engineer is on following sheet



Introduction

A commercial site will be developed at Hannover Road. This commercial site will have an underground drainage system and will be graded to eliminate possible flooding. The site is currently located in a floodplain area according to FEMA; in order to remove the floodplain a LOMR will be required. A both hydrology and hydrologic analysis is needed to analyze how the runoff is going to affect the site as well as the surrounding areas.

Project Description

Hannover Business Center is located at Hannover Road, track #2, located in Zone Atlas Map J-10-Z. The legal description is Tract #2 of the Correction Plat of MIRA MESA ESTATES, Tracts 217, 218, 219, and 220, Town of Atrisco Grant, Albuquerque, New Mexico. The purpose of this drainage report is to provide infrastructure and development improvements for the proposed site.

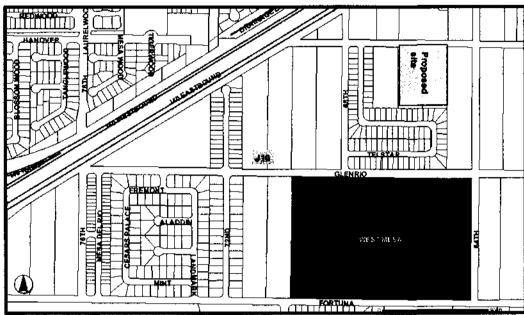


Figure 1.- Hannover business center, Zone Atlas Map J-10-Z

Hydrology Analysis

Existing Conditions

The existing site is located on a floodplain and naturally drains to the center of the site. The site currently has only one type of soil, Madurez-wink associatin, gently sloping. Soil information was taken from the NRCS website

(http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx).

The hydrology for the site will be obtained using the 100 year 24 hour event, according to the DPM (Development Process Manual, Vol. 2 for the City of Albuquerque, New Mexico); the site is located in precipitation Zone 1 (West of the Rio Grande). Due to its topography the site was divided in three sub-basins as shown on Figure 2.

The site currently has one type of land treatment (Treatment C according to the DPM manual) which has a total area of 4.88 acres (Same as the Total Site area).

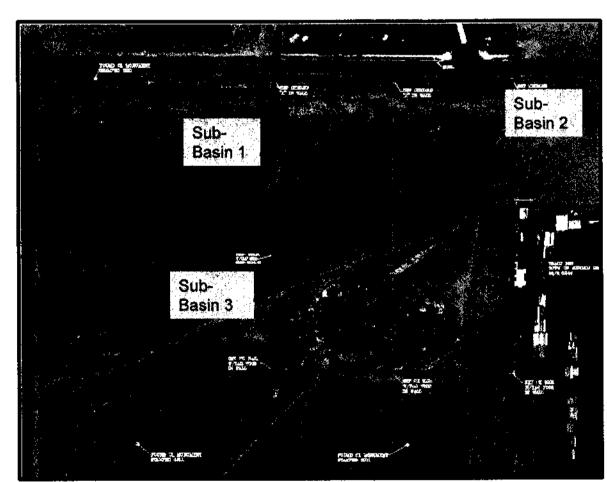


Figure 2.-Hannover business center existing sub-basin division.

The following table is the existing hydrology (Table 1) for Hanover Business Center which includes peak discharge and runoff volume for all the subdivided basins within a 100 year 24 hr event (All calculations were based on the DPM of Albuquerque assuming "Zone 1 and a land treatment C").

Table 1 - Existing hydrology for Hanover Business Center

Table 1 Laisting ny	drology for Hallover Dusines	S Center	
	TOTAL AREA (14) Pask Di	icharge (cfs) - Volun	18 ₃₆₀ (acre-ft)
SUPERSIDE OF THE	CRACES CONTRACTOR		3.007
Sub Basin 102	49514.099	3.29	0.14
Sub Basin 103	1/2/4398_8	8.26	0.35
TOTAL AREA	2123712	14.1	0.56
TOTAL AREA	4.88 Acres		

Proposed Conditions

The site at Hannover Road will be developed into a business complex center. The Business center will be graded to discharge all the runoff into Hannover Road. The total increase of runoff will be 52% of the original runoff.

Hydrology Analysis

Proposed Conditions

Post development flows are determined based on the proposed watershed boundaries and modified treatments. The site will have 5 different basins; the basins were delineated depending on the discharge location. The basins will have a type D treatment consequently there will be an increase of 52% of discharge runoff and a 32 % of total volumetric runoff. The site will be graded and will have a total 6 inlets;

Table 2.-Proposed Conditions Peak Discharge and Volume

Basin Annual Basin 102 1.0142 Basin 103 4.47 Basin 104 0.9828 Basin 105 4.98	1.06
Basin 103 151 4.89 Basin 104 0.9828 4.33	0.25
	0.22
	0.24
	0.22
	SOM S
	me

Table 2 represents the proposed conditions for Hanover Business center. The site will have an increase of 7.9 cfs for total runoff and an increase volumetric flow of 0.5 acre-ft for 6 hrs (V_{360}) .

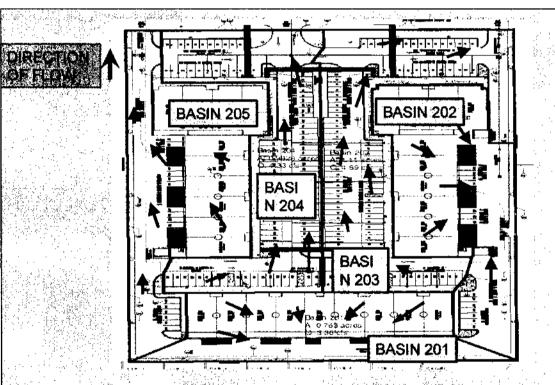


Figure 3.-Hannover business center proposed sub-basin division

Hydraulics

Based on proposed hydrology the hydraulics of the site will be performed. Basins 204 and 205 will be discharging into Hanover Road this will be accomplish by grading the site to the west, basin 201-203 will be draining into an inside site inlet that will be connected to the main storm system on Hanover Road (Figure 3). The catch basin will be a (24" Nyloplast catch basin) and the pipe will be an 18" pipe diameter that will connect to an existing pipe line on Hanover Road. To determine the pipe size diameter Manning's equation was used. A roughness coefficient of 0.013 was assumed (plastic pipe) and a constant (k) of 1.46(for USCS). The peak discharge of the Basins 201-203 was used to calculate the pipe size diameter.

Conclusion

Hanover Business Center will be constructed at Hanover Road Zone Atlas Map J-10-Z. The site has approximately 5 acres of land treatment type C (soil compacted by human activity). This site naturally slopes to the center of the site. The total existing runoff is 14.1 cfs and will increase by 52% due to the proposed land treatment change (Type D). The proposed business center will be discharging to 2 out of it's 5 basins into Hanover street (basin 204 and 205) while basin 201-03 will have au underground storm system.

SO 19

NOTICE TO CONTRACTOR

- AN EXCAVATION/ CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
- 2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1985.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- 5. BACKFILL COMPACTION SHALL BE ACCORDING TO _____ RESIDENTIAL
- 6. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.
- WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.

WILSON	APPROVALS	NAME	DATE	PERMANENT HOUSING FOR
&COMPANY	HYDROLOGY			PERSONS WITH DISABILITIES
	INSPECTOR			MAP NO.
WCEA # 7601700	A.C.E./FIELD			J-10-Z

2415 ALBU 505.



S P. HANOV BUSINES

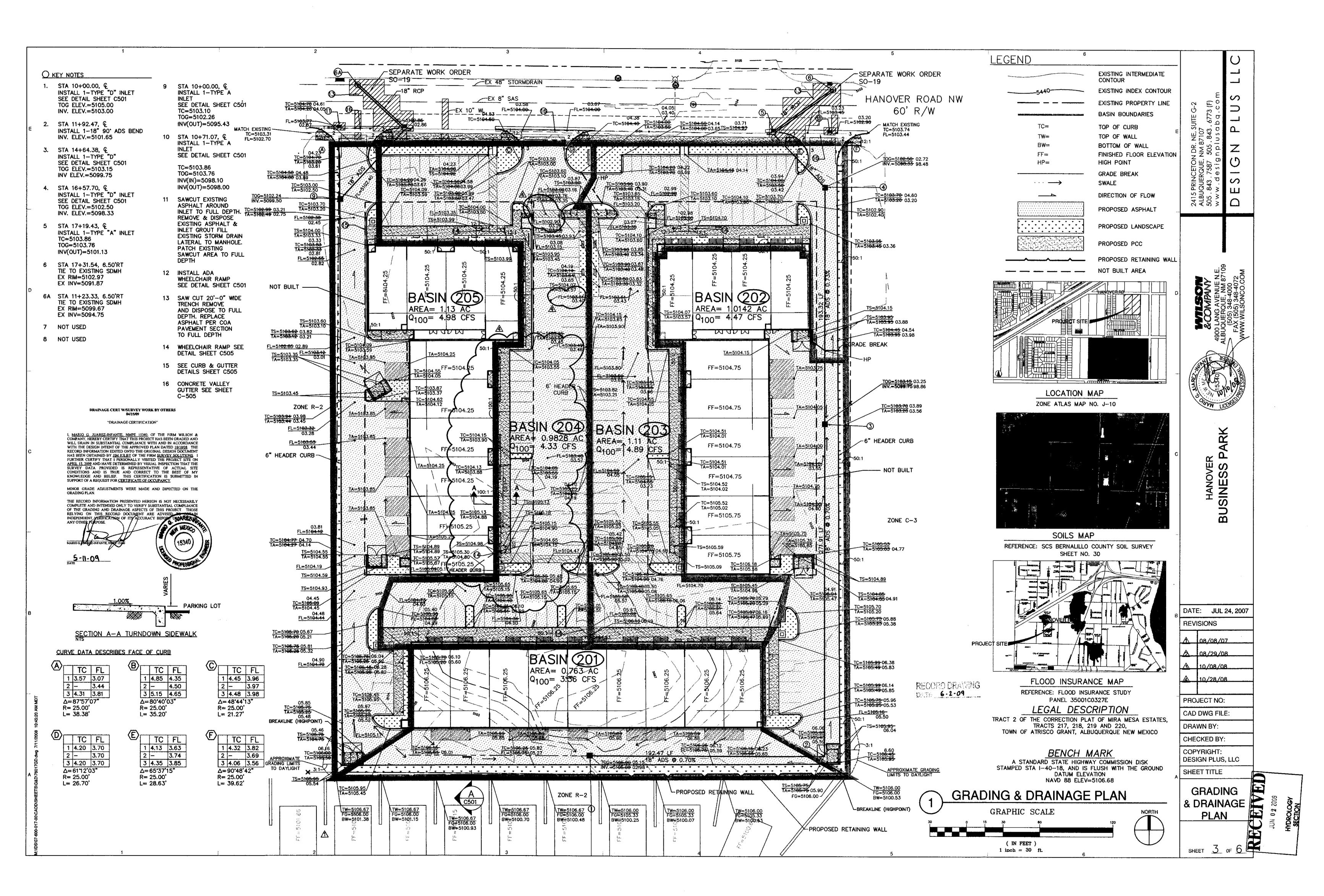
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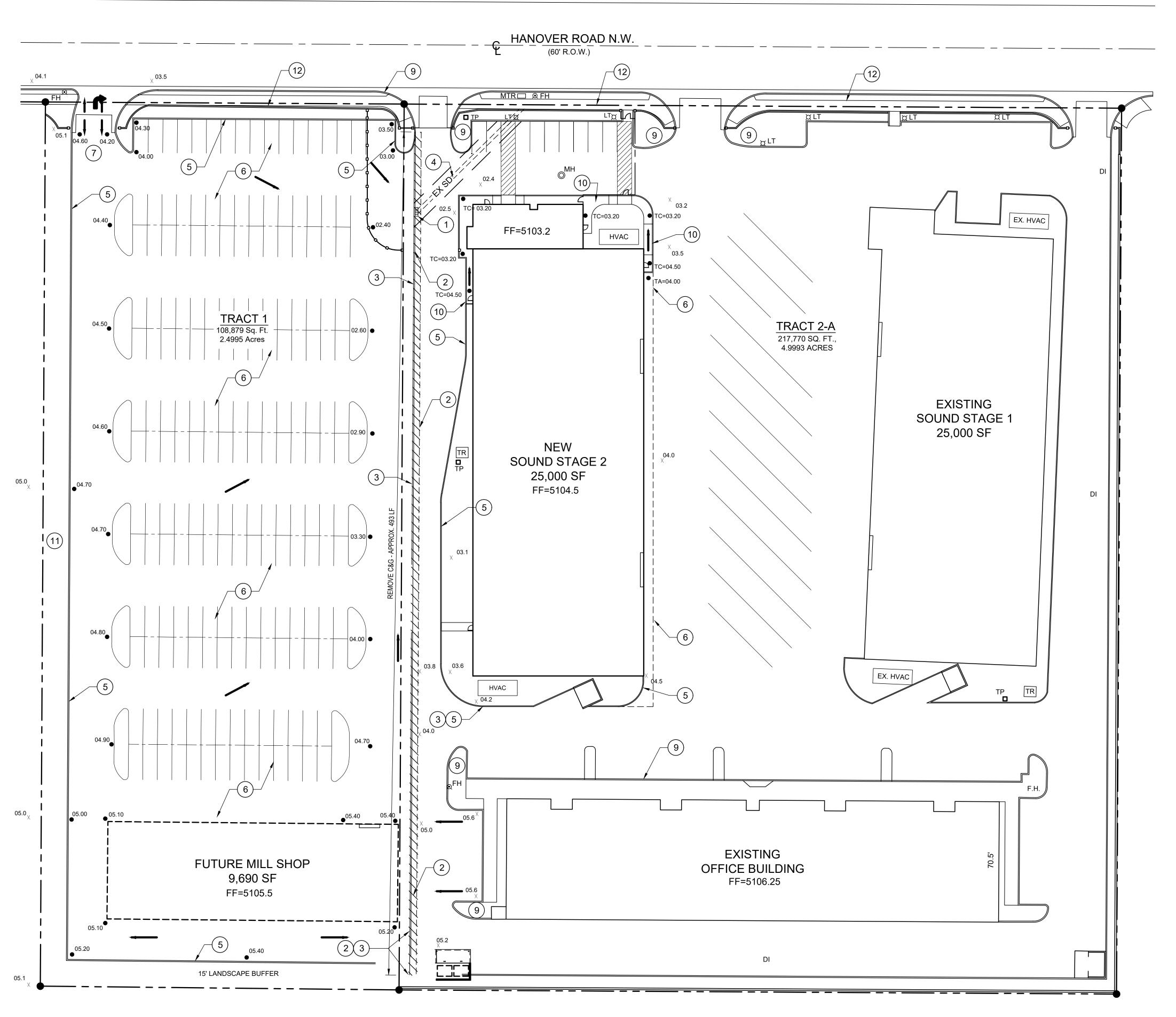
GRADING

& DRAINAGE

REPORT

C101A







CG SITE GRADING PLAN

SCALE: 1' = 30'-0"

SHEET NOTES:

1. OWNER HAS ELECTED TO PAY THE PAYMENT IN LIEU FOR THE REQUIRED STORMWATER QUALITY VOLUME. PAYMENT IN LIEU AMOUNT = 3971 CF X \$8/CF = 31,768.00

- 2. NEW SPOT ELEVATIONS ARE TO FLOW LINE OF CURB & GUTTER, TYP.
- 3. CONTRACTOR TO NEATLY SAWCUT EXISTING ASPHALT, NECESSARY FOR CONSTRUCTION. COMPLETELY REMOVE AND REPLACE TO MATCHING ASPHALT CONDITIONS.
- 4. LEGAL DESCRIPTION: TRACT 1 AND TRACT 2A OF CORRECTION PLAT OF MIRA MESA ESTATES, FILED 1-6-2006
- 5. FLOOD HAZARD STATEMENT: PROPERTY IS A ZONE X SFHA PER FEMA MAP 35001C0327H, EFF. 11/04/2016
- 6. BENCHMARK: CENTERLINE MONUMENT AT INTERSECTION OF HANOVER / TELSTAR LOOP WITH CAP "LS 8911" N:1492613.20 E:1501954.37 ELEV = 5105.28

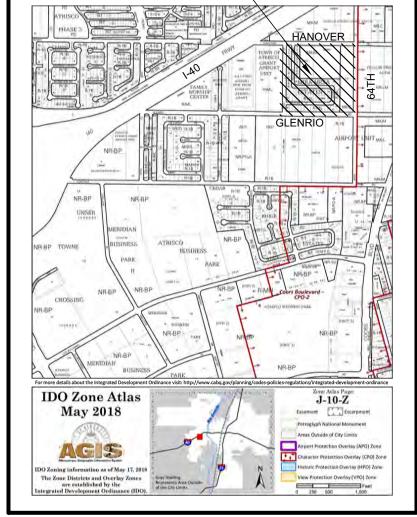
1 EXISTING STORM INLET TO REMOVED AND REPLACED WITH NEW TYPE D EX. INV = 5099.2 GRATE=5102.1

- 2 REMOVE EXISTING STD CURB & GUTTER AND PREPARE FOR NEW PAVEMENT/ GRADING.
- MATCH EXISTING EDGE OF PAVEMENT.
- (4) EXISTING STORM LINE TO REMAIN.
- 5 NEW 6" CURB & GUTTER.
- (6) NEW 3" AC PAVEMENT.
- 7 NEW WATER BLOCK AT NEW DRIVEWAY.
- 9 EXISTING CURB TO REMAIN UNDISTURBED.
- (10) NEW CONCRETE SIDEWALK & RAMP.
- 12) EXISTING ACCESS WALL TO REMAIN.

X	EX SPOT EL
•	NEW SPOT EL
	FLOW DIRECTION

DIRECTION EX EDGE OF PAVMENT

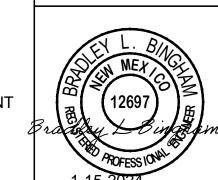
WORK ZONE -



VICINITY MAP (COA - J-10)

NTS DRAWN KSH

01/12/2024 SCALE 1"=30' JOB NO. 23-14



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KEYED NOTES:

- (11) GRADED LANDSCAPE BUFFER TO REMAIN.

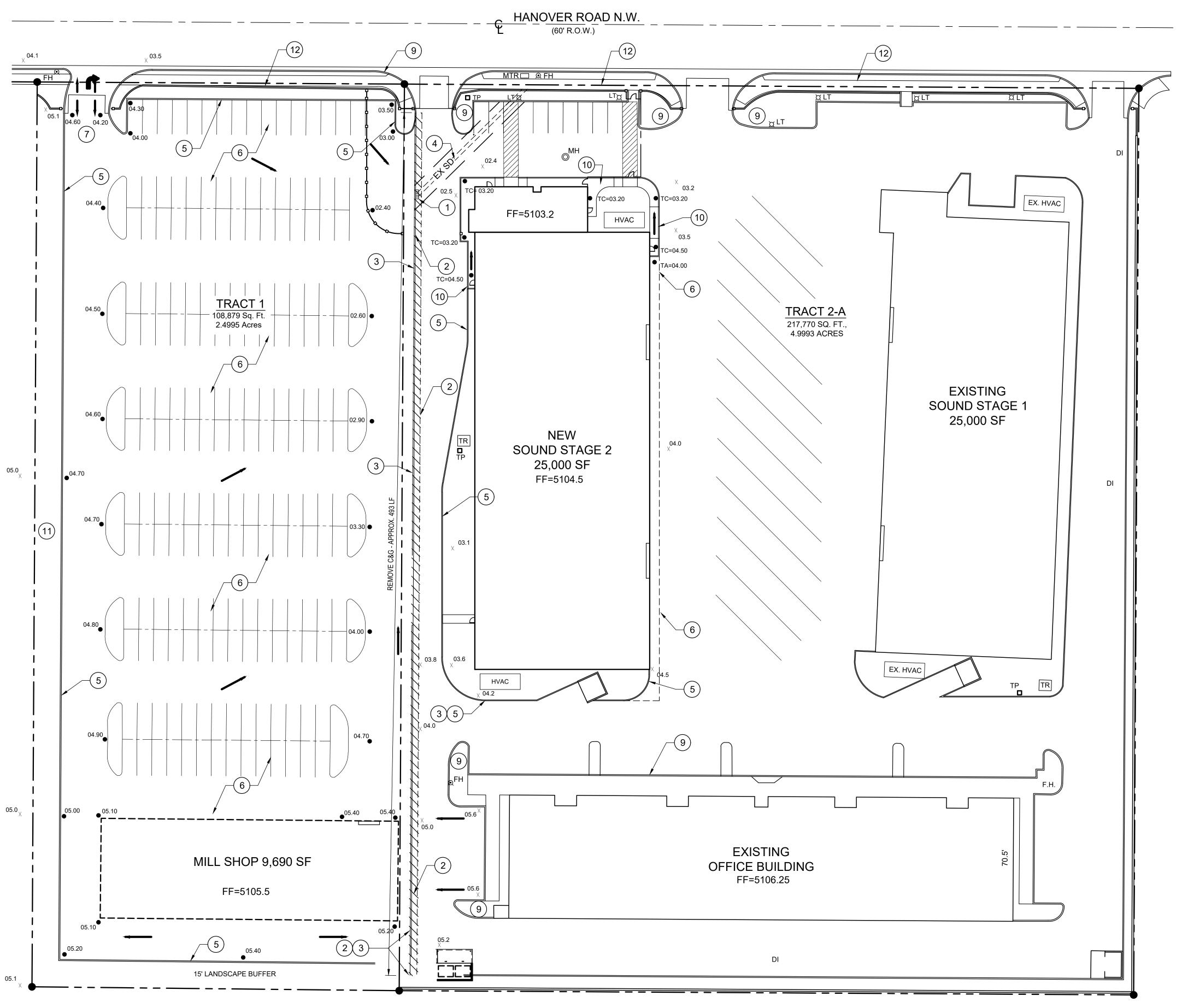
LEGEND:

X	EX SPO
•	NEW SP
	FLOW D

C&G TO BE REMOVED



st price 2325 Cutler A



City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION **APPROVED** DATE: 01/19/24
BY: Presetts
HydroTrans # J10D040A

PPROVAL OF GRADING & DRAINAGE PLAN(S) SHALL EXPIR TWO (2) YEARS AFTER THE APPROAL DATE BY THE CITY IF N BUILDING PERMIT HAS BEEN PULLED ON THE DEVELOPMENT

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REVISIONS

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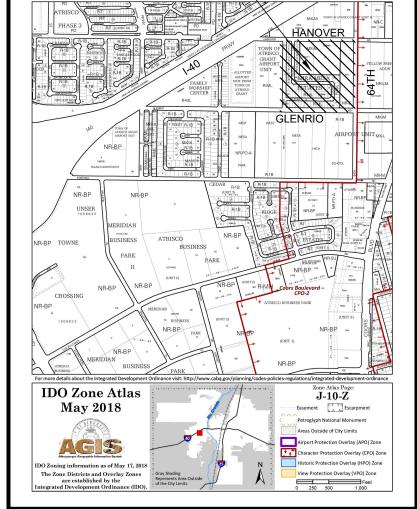
12) EXISTING ACCESS WALL TO REMAIN.

LEGEND:

EX SPOT EL NEW SPOT EL

FLOW DIRECTION EX EDGE OF PAVMENT C&G TO BE REMOVED

WORK ZONE -



VICINITY MAP (COA - J-10)

st price 2325 Cutler A NTS

DRAWN KSH 01/12/2024 SCALE 1"=30' JOB NO. 23-14

CG SITE GRADING PLAN

SCALE: 1' = 30'-0"