
Meeting Date: April 19, 2023
Staff Contact: David Laughlin, Chief Engineer

TITLE: C-23-7 – Approval of Contract with Franklins Earthmoving Inc. for Chappell Grading Improvements

ACTION: Recommend Approval

Summary:

Requesting approval to enter into an Agreement with Franklins Earthmoving Inc. to provide grading services for the Chappell Site Grading Improvement project, pursuant to the City of Albuquerque Construction Services On-Call Contract 2022-1. The project will grade the Vulcan site just east of the Mission facility. This will prepare the location for future development of Water Authority facilities.

The Albuquerque Bernalillo County Water Utility Authority (Water Authority) intends to procure these construction services pursuant to the authority contained in Section 19(a), Existing Government Contracts and Cooperative Procurement, of the Rules Governing Procurement for the Water Authority. Resolution R-18-14 requires Board approval for any purchase in an amount exceeding \$500,000.

This approval is intended to delegate signature authority to the Executive Director to enter into an Agreement with the selected contractor, approve any change orders or amendments to the Agreement as necessary to complete the project.

FISCAL IMPACT:

\$2,065,815.54 including NM GRT in the capital budget.

**AGREEMENT
BETWEEN THE
ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY
AND
FRANKLIN'S EARTH MOVING, INC.
VULCAN SITE DEVELOPMENT PROJECT
PROJECT No. 02209.022**

THIS AGREEMENT is made and entered into on the date last entered below, by and between the Albuquerque Bernalillo County Water Utility Authority, hereinafter called OWNER, and Franklin's Earth Moving, Inc., hereinafter called CONTRACTOR.

In consideration of mutual obligations stated herein, the parties agree as follows:

That Owner and Contractor for the consideration stated herein mutually agree as follows:

- 1. SCOPE OF SERVICES:** CONTRACTOR shall provide the work described in Exhibit A, Specifications, attached hereto (hereafter the "Work") in a satisfactory and proper manner, as determined by the Owner. Contractor shall furnish all supervision, technical personnel, labor, materials, machinery, tools, equipment and services, including utility and transportation services, and perform and complete the Work for the construction of the above-referenced Project and any authorized supplemental work, all in strict accordance with the Contract Documents.
- 2. CONTRACT TIME:** The Contract Time will commence on the day indicated in the Notice to Proceed, as specified in the General Terms and Conditions, and continue for a period of 118 **consecutive calendar days** for final completion. Changes to the Contract Time are allowed only as provided in the General Terms and Conditions.

Time for Substantial Completion. The Contractor will commence Work under this Contract in accordance with the Notice to Proceed from the Water Authority, if applicable, and achieve Substantial Completion of the Project as provided in the Contract Documents within 118 consecutive calendar days after the date Contract Time begins as provided in the Contract.

Time to Complete Punch List. The Contractor shall complete or correct all punch list items attached to the Certificate of Substantial Completion as described in the Contract Documents within 30 consecutive calendar days following the date of Substantial Completion.

Liquidated damages, in the amount per day of Five Hundred Dollars and 00/cents (\$500.00) will be assessed against the Contractor for each calendar day, or portion thereof, the Work has not achieved Substantial Completion after expiration of that portion of the Contract Time allotted for construction, including any approved extension of time granted. Further, liquidated damages, in the amount per day of Five Hundred Dollars and 00/100 (\$500.00) will be assessed against the Contractor for each calendar day, or portion thereof, the punch list items listed as incomplete and attached

to the Certificate of Substantial Completion are not completed or corrected after expiration of the time allotted for completion and correction, including any approved extension of time granted. These liquidated damages are cumulative. See the General Terms and Conditions, referenced in Part IV of this RFB, for additional information terms relating to liquidated damages.

3. **CONTRACT PRICE:** OWNER will pay CONTRACTOR for the performance of the Contract in current funds, as provided in the Contract Documents, the amount of Two-Million Sixty-Five Thousand Eight Hundred Fifteen Dollars and 54/100 (\$2,065,815.54), which amount includes any applicable New Mexico Gross Receipts Taxes, pursuant to Exhibit B Cost Proposal, pursuant to the City Agreement Construction Services On-Call Contract 2022-1, Project Number P802600.
4. **LIST OF SUBCONTRACTORS AND SUPPLIERS:** The Contractor will complete and submit to the Water Authority, at the time requested, a list of subcontractors and suppliers.
5. **NON-APPROPRIATION OF FUNDS:** Notwithstanding any provision in this Contract to the contrary, payments hereunder are contingent upon the Water Authority Board making the necessary appropriations. If sufficient appropriations are not made, this Contract may be terminated at the end of the Water Authority's then current fiscal year upon written notice given by OWNER to CONTRACTOR. Such event shall not constitute an event of default and all payment obligations of OWNER and all of its interest in this Contract will cease upon the date of termination. OWNER'S determination regarding appropriations shall be accepted by CONTRACTOR and shall be final.
6. **COMPLIANCE WITH LAWS:** In providing the Work outlined herein, Contractor shall comply with all applicable laws, ordinances, and codes of the federal, State, and local governments, including, but not limited to the New Mexico Human Rights Act, Title VII of the federal Civil Rights Act of 1964, the Americans with Disabilities Act of 1990, and all federal, State and local statutes, regulations and executive orders relating to civil rights.
7. **CONTRACT DOCUMENTS:** The Contract Documents consist of the following, which are as fully a part of the Contract as if attached to this Agreement or repeated herein, and have precedence in the following order:
 - Modifications to the Contract Documents
 - the Agreement, (including Exhibit A, Exhibit B, the Wage Decision, insurance certificates and surety bonds) the Drawings (dated 11/22/23).
 - the General Terms and Conditions for Construction Contracts (rev. 12/19/2018) the City of Albuquerque Standard Specifications for Public Works Construction, 1986 Edition, as currently updated and amended by the Water Authority General Terms and Conditions of Construction Contracts.

7.1 Construction detail drawings shall govern over scaled dimensions and over other

drawings. Dimensions given on plans, or which can be calculated will govern over scaled dimensions.

7.2 All definitions and terms set forth in the General Terms and Conditions for Construction Contracts and the Procurement Ordinance are applicable to the Contract Documents.

IN WITNESS WHEREOF, OWNER and CONTRACTOR have executed this Agreement the day and year last entered below.

**ALBUQUERQUE BERNALILLO COUNTY
WATER UTILITY AUTHORITY**

**CONTRACTOR:
FRANKLIN'S EARTHMOVING, INC.**

Approved By:

Mark S. Sanchez, Executive Director

Date: _____

Elizabeth Anderson, Chief Planning Officer

Date: _____

Reviewed by:

Charles Kolberg, General Counsel

Date: _____

By: _____

Title: _____

Date: _____

WAGE DECISION

EXHIBIT A
SCOPE OF SERVICES

The scope of work includes moving approximately 683,000 cubic yards of soil on the 50 acre site located at 6200 Chappell Drive NE. There will be no import or export of soil for this project. The earthwork will include grading, placing and compacting the soil with testing and survey to ensure compliance with project requirements. Ancillary work includes permitting, erosion control and perimeter fencing improvements.



700 Industrial Ave., NE
Albuquerque, NM 87107
(505) 884-6947
(505) 883-2604

License # 002299

To: ABCWUA	Contact: Joel Berman
Address: 400 Marquette Ave NW Albuquerque, NM 87102	Phone:
	Fax:
Project Name: Vulcan Chappell R.6 03-27-2023 (incl. SWPPP)	Bid Number:
Project Location: 6002 Chappell Dr NE, Albuquerque, NM	Bid Date: 3/29/2023

Franklin's Earthmoving, Inc. proposes to provide the Labor, Equipment and Material required to perform the scope of work detailed below for the proposed project. All work to be performed per plans by AECOM dated 11/29/22 (see attached). Please carefully review the terms & conditions at the bottom of this Proposal. Thank you for your consideration.

Work to be performed on a unit price basis per the rates below.

Base Bid assumes construction water being furnished by Others at no cost.

Base Bid assumes furnished construction water supply will be sufficient for mass excavation process. Anticipated daily consumption during mass excavation is 450,000 Gallons, minimum.

Proposal does not include handling or disposing of any debris/trash/rubble encountered during construction.

Line items below are per City of Albuquerque Project No. P802600.

CES Contract # 2012-12-C334-12478

Line #	Item #	Item Description	Estimated Quantity	Unit	Unit Price	Total Price
1	201.01	Site Clearing And Grubbing, Compl. (does Not Include Haul-off Of Grubbings. Grubbings To Be Wasted In Non-structural Fills) Site Is Cleared - Estimated At 10% Of Site	4.10	ACRE	\$850.00	\$3,485.00
2	201.061	Erosion Control Silt Fence, 3 Foot High, With 5 Foot Steel Posts At 10 Foot On Center, Cip.	5,780.00	LF	\$3.75	\$21,675.00
3	204.XXX	Fill, Construction, Including Excavation, Placement, Grading And Compaction Of Material, When Obtained From Within Limits Of Construction, Less Than Or Equal To 1/2 Mile Haul, Cip. (Includes 3' Safety Berm)	683,180.00	CY	\$2.25	\$1,537,155.00
4	410.01	Chain Link Fence, Incl. Posts And Hardware, Cip. (includes Temporary Fence During Construction)	14,697.00	SF	\$8.00	\$117,576.00
5	410.04	Existing Chain Link Or Wire Fence, Remove And Dispose, Compl.	1,633.00	SY	\$3.50	\$5,715.50
6	621.4.1	Mobilization	1.00	LS	\$35,280.00	\$35,280.00
7	XXXX.XX	Construction Surveying And Staking Services, Compl.	460.00	HR	\$148.00	\$68,080.00
8	XXXX.XX	Construction Testing - Allowance	1.00	LS	\$60,000.00	\$60,000.00
9	XXXX.XX	Fugitive Dust Permit (41 Acres)	1.00	LS	\$8,610.00	\$8,610.00
10	NEW ITEM # 001	Existing Concrete Retaining Wall, Remove And Dispose, Compl. (NEW ITEM - NOT ON CONTRACT)	427.00	LF	\$44.00	\$18,788.00
11	NEW ITEM # 002	Storm Water Pollution Prevention Plan (One Printed With Two Digital Versions On Storage Devices) Including PE Sealed Plan, Site Layout Drawings, EPA Research And Full Compliance Documents.	1.00	LS	\$1,400.00	\$1,400.00

Line #	Item #	Item Description	Estimated Quantity	Unit	Unit Price	Total Price
12	NEW ITEM # 003	Site Inspection Performed Every 14 Days And Each Significant (0.25") Rain Event. Invoiced Monthly, On 1st, In Advance Of Service. No Partial Months. Inspection Software Provided By www.comply26.com .	4.00	MO	\$300.00	\$1,200.00
13	NEW ITEM # 004	SWPPP Posting Board	1.00	LS	\$200.00	\$200.00
14	NEW ITEM # 005	Bond	1.00	LS	\$20,436.00	\$20,436.00
Bid Price Subtotal:						\$1,899,600.50
Total NMGRT 7.75%:						\$147,219.04
Total P&P BOND 1.00%:						\$18,996.00
Total Bid Price:						\$2,065,815.54

Notes:

- This proposal excludes all costs of engineering, rock excavation, dewatering, removal and disposal of buried trash or debris, unsuitable soil, clay soil, and their subsequent replacement, proper drainage for areas with less than a one percent slope, structural excavation or backfill, retaining wall excavation or backfill.
- Please note: While Franklin's Earthmoving is on-site actively working on our contacted scope of work, we will provide dust control as part of our scope of work during normal business hours Monday-Friday 7:00 am – 3:30 pm unless shutdown by Air Quality or by Others due to strong winds. In the event of a shutdown notice (Including normal hours and non-working hours), Franklin's will keep track of dust control via hourly ticket which will be billed at the rate of \$250.00 per hour, invoiced on a monthly basis. This is pursuant to air quality board regulation 20.11.20 NMAC and/or other State/Federal regulations.
- In the event of significant delivery delay or price increase of material occurring during the performance of the contract due to change in laws, treaties, tariffs or government policies or other increases that are out of control of Franklin's Earthmoving, Inc.; the contract sum, time of performance, and contract requirements shall be equitably adjusted by change order in accordance with the procedures specified in contract documents. A change in price of an item of material shall be considered significant when the price of an item increases 5% percent between the date of this contract and the date of installation.
- Due to the current volatility of material prices, this proposal may be withdrawn if not accepted within 15 days of the bid proposal date.
- We appreciate the opportunity to submit a proposal for this project. Please do not hesitate to call if you have any questions or require any additional information.

Payment Terms:

Net due within 30 days of the date of invoice. Past due amounts will be charged interest at a rate of 1.5% per month. New Mexico Gross Receipts Tax will be added to the above proposal amount at current rate per the published New Mexico Gross Receipts Tax Rate Schedule unless a non-taxable certificate is provided prior to the start of work.

<p>ACCEPTED:</p> <p>The above prices, specifications and conditions are satisfactory and are hereby accepted.</p> <p>Buyer: _____</p> <p>Signature: _____</p> <p>Date of Acceptance: _____</p>	<p>CONFIRMED:</p> <p>Franklin's Earthmoving, Inc.</p> <p>Authorized Signature: _____</p> <p>Estimator: Ryan Killingsworth 505-604-0762 Ryan.Killingsworth@feinm.com</p>
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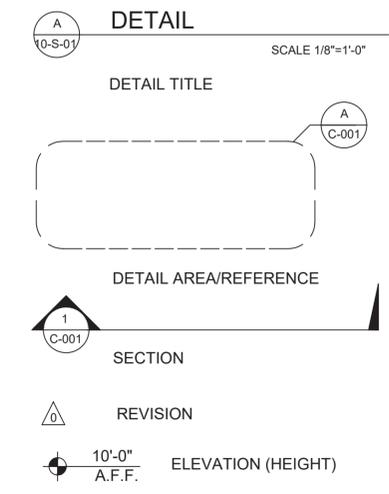
ABBREVIATIONS

@	AT	EA	EACH	MID	MIDDLE	TOC	TOP OF CONCRETE
ABBREV	ABBREVIATION	EE	EACH END	MFR	MANUFACTURE/MANUFACTURER	TOP	TOP OF PILE
ADD	ADDITIVE	EF	EACH FACE	MB	MASONRY BEAM, MACHINE BOLT	TEMP	TEMPERATURE
ADD'L	ADDITIONAL	ES	EACH SIDE	MO	MASONRY OPENING	TENS	TENSION
ALT	ALTERNATE/ALTERNATIVE	EW	EACH WAY	MATL	MATERIAL	THK	THICK
ALUM	ALUMINUM	ELEC	ELECTRIC/ELECTRICAL	MAX	MAXIMUM	THD	THREAD/THREADED
ACI	AMERICAN CONCRETE INSTITUTE	EL, ELEV	ELEVATION, ELEVATOR	MECH	MECHANICAL	TB	TIE BEAM
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	ENGR	ENGINEER	MIN	MINIMUM	TOL	TOLERANCE
AISI	AMERICAN IRON AND STEEL INSTITUTE	EOR	EDGE OF ROAD	MISC	MISCELLANEOUS	T&B	TOP AND BOTTOM
ASTM	AMERICAN SOCIETY OF TESTING MATERIALS	EQ SP	EQUAL SPACED	MPH	MILES PER HOUR	T/	TOP OF
AWS	AMERICAN WELDING SOCIETY	ESO	EMERGENCY SLUDGE OVERFLOW	MET	METAL	TDS	TURN DOWN SLAB
AB	ANCHOR BOLTS	EXIST	EXISTING	MWFRS	MAIN WIND FORCE RESISTING SYSTEM	TYP	TYPICAL
ARCH	ARCHITECTURE/ARCHITECTURAL	EXP	EXPANSION	M	MOTORIZED	TS	TUBE STEEL/THICKENED SLAB
ASPH	ASPHALT	EXT	EXTERIOR				
BP	BASE PLATE/BEARING PLATE	FS	FAR SIDE	NS	NEAR SIDE	TG	TEMPERATURE GAUGE
BM	BEAM	F.S.	FLOW SWITCH	NIC	NOT IN CONTRACT	UNO	UNLESS NOTED OTHERWISE
BRG	BEARING	FT	FEET/FOOT	NTS	NOT TO SCALE	VERT	VERTICAL
BM	BENCH MARK	FDN	FOUNDATION	NO	NUMBER	VOL	VOLUME
BIT	BITUMINOUS, BITUMASTIC	FIN	FINISH	NG	NATURAL GAS	WF	WALL FOOTING
BLK	BLOCK	FIN GR	FINISH GRADE	OC	ON CENTERS	WP	WATERPROOF
B/	BOTTOM OF	FF	FINISHED FLOOR	OPNG	OPENING	WS	WELDED STUD
BLDG	BUILDING	FLR	FLOOR	OF	OUTSIDE FACE	WWF	WELDED WIRE FABRIC
BU	BUILT-UP	FD	FLOOR DRAIN	OD	OUTSIDE DIAMETER	WH	WEEP HOLE
BFV	BUTTERFLY VALVE	FTG.	FOOTING	OPP H	OPPOSITE HAND	W	WIDE FLANGE SECTION
BTWN	BETWEEN	FP	FULL PENETRATION WELD	PEN	PENETRATION	W/	WITH
BOT	BOTTOM	FRP	FIBERGLASS REINFORCED PLASTIC	PCF	POUNDS PER CUBIC FEET	W/O	WITHOUT
CIP	CAST IN PLACE	GA	GAGE/GAUGE	PAR	PARALLEL	WD	WOOD
CI	CAST-IRON	GALV	GALVANIZED	PJF	PREMOLDED BITUMINOUS JOINT FILLER	WP	WORKING POINT
CS	CAST-STEEL	GV	GATE VALVE	PL	PLATE	WW	WASHWATER LINE
CTR	CENTER	GC	GENERAL CONTRACTOR	PLY	PLYWOOD	WG	WASTE GAS
CTR'D	CENTERED	GEN	GENERAL	PLF	POUNDS PER LINEAR FOOT	@	AT
CL	CENTER LINE	GS	GALVANIZED STEEL	PSF	POUNDS PER SQUARE FOOT	#	POUNDS
C	CHANNEL	GL	GRID LINE	PSI	POUNDS PER SQUARE INCH	+/-	PLUS OR MINUS
CLR	CLEAR/CLEARANCE	HORIZ	HORIZONTAL	PC	PRECAST CONCRETE	CL	CENTER LINE
COL	COLUMN	HAS	HEADED ANCHOR STUD	PREFAB	PREFABRICATED	PL	PROPERTY LINE, PLATE
CO	CLEAN-OUT	HE	HEAT EXCHANGER	PT	PRESSURE TREATED	Ø	DIAMETER
CONC	CONCRETE	HS	HEATED SLUDGE	PVC	POLYVINYL CHLORIDE	&	AND
CONT	CONTINUOUS	HT	HEIGHT	PV	PLUG VALVE	Sp	SECTION MODULUS
CB	CONCRETE BEAM	HSB	HIGH STRENGTH BOLT (A-325)	PS	PIPE SUPPORT	Ip	MOMENT OF INERTIA
CC	CONCRETE COLUMN	HWL	HIGH WATER LINE	PW	PLANT WATER		
CM	CONCRETE MASONRY	HWR	HOT WATER RETURN	PRV	PRESSURE & VACUUM RELIEF VALVE		
CMU	CONCRETE MASONRY UNIT	HWS	HOT WATER SUPPLY	PSWS	PUMP SEAL WATER SUPPLY		
COORD	COORDINATE	I	MOMENT OF INERTIA	PSDR	PUMP SEAL DRAIN		
CONT	CONTINUOUS	IN	INCH	PG	PRESSURE GAUGE		
CONN	CONNECTION	INT	INTERIOR	REF	REFERENCE		
CONST	CONSTRUCTION	ID	INSIDE DIAMETER	REINF	REINFORCING		
CJ	CONTROL JOINT	INT	INTERIOR	RCP	REINFORCED CONCRETE PIPE		
CSJ	CONSTRUCTION JOINT	INV	INVERT	REQ'D	REQUIRED		
CMP	CORRUGATED METAL PIPE	IF	INSIDE FACE	RW	RETAINING WALL		
CF	CUBIC FEET (FOOT)	JT	JOINT	RD	ROOF DRAIN		
CY	CUBIC YARD	JST	JOIST	RS	RAW SLUDGE		
CV	CHECK VALVE	K	KIP	REC	RECYCLED SLUDGE		
C & C	CLADDING & COMPONENTS	KWY	KEYWAY	R/W	RIGHT-OF-WAY		
DAS	DOWEL ANCHOR STUD	LDG	LANDING	SCHED	SCHEDULE		
DBA	DEFORMED BAR ANCHOR	LGTH	LENGTH	SPC	SPACE/SPACES		
DEPT	DEPARTMENT	LT WT	LIGHT WEIGHT	SPECS	SPECIFICATIONS		
DIA	DIAMETER	LG	LONG	SQ	SQUARE		
DIM	DIMENSION	L	ANGLE	SS	STAINLESS STEEL		
DIST	DISTANCE	LLH	LONG LEG HORIZONTAL	STD	STANDARD		
DN	DOWN	LLV	LONG LEG VERTICAL	STL	STEEL		
DR	DRAIN			SYM	SYMMETRICAL		
DWG	DRAWING			STRUCT	STRUCTURAL		
DIAG	DIAGONAL			SPCG	SPACING		
DET	DETAIL			SIM	SIMILAR		
DHWS	DIGESTER HEATED WATER SUPPLY			STIFF	STIFFENER		
DHWR	DIGESTER HEATED WATER RETURN			SN	SUPERNATENT		
DS	DIGESTED SLUDGE OUT OF BUILDING			ST	SLUDGE TRANSFER		
DG	DIGESTER GAS			SDO	SLUDGE DRAW-OFF		
DIP	DUCTILE IRON PIPE			SNO	SUPERNATENT DRAW-OFF		
				SM	SLUDGE MIXING LINE		
				SPD	SUMP PUMP DISCHARGE		

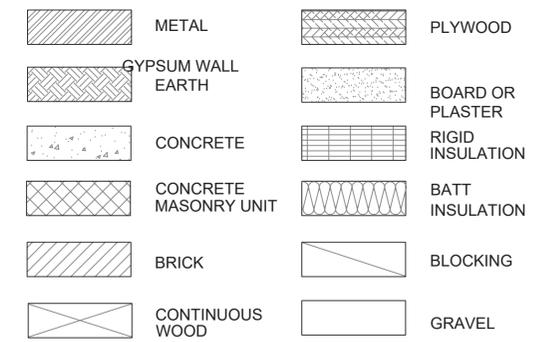
SITE LEGEND

PROPOSED	EXISTING	DESCRIPTION
NA	--- 8" SAS ---	SANITARY SEWER
NA	--- 8" SD ---	STORM SEWER
W	--- 6" WL ---	WATER LINE
NA	--- XX ---	MANHOLE: XX=SS SANITARY SEWER SD STORM DRAIN CO CLEAN OUT
NA	--- X ---	WATER LINE / VALVE
NA	MUELLER 1960	FIRE HYDRANT, MODEL & YEAR (FOR EXISTING ONLY)
NA	□	DROP INLET
NA	NA	REDUCER
NA	NA	WYE
NA	NA	WATERLINE
NA	NA	AV/RV
+	+	TEE
+	+	CROSS
~	~	BEND
NA	→	CAP OR PLUG
NA	⊙	POLE
NA	⊙	SIGN
NA	⊙	POLE W/ LIGHT
NA	⊙	LIGHT POLE
2" HP G	--- UGT ---	UNDERGROUND TELEPHONE LINE
NA	--- 2" HP G ---	UNDERGROUND GAS LINE
NA	--- CATV UG ---	UNDERGROUND CATV LINE
NA	--- UGE ---	UNDERGROUND ELECTRIC
NA	--- OHE ---	OVERHEAD ELECTRIC
NA	---	RIGHT OF WAY LINE
NA	←←←←←	PRESSURE ZONE BOUNDARY
NA	---	GRAVEL/GRADED/UNPAVED ROAD
NA	---	PAVED ROAD/BIKE PATH
NA	---	CURB AND GUTTER AND SIDEWALK
NA	□	BUILDING
NA	---	CONCRETE SIDEWALK OR DRIVEWAY
NA	X-X	WIRE FENCE
NA	○-○	CHAINLINK FENCE
NA	□	BLOCK WALL
NA	3'-6" S/W	3'-6" SIDEWALK
NA	---	ZONE MAP BOUNDARY
NA	□ WM	WATER METER

SYMBOLS LEGEND:



MATERIALS LEGEND:



NOTE: THIS IS A MASTER SYMBOLS AND ABBREVIATION DRAWING. NOT ALL SYMBOLS AND ABBREVIATIONS MAY BE USED.

2309.022

NO.	DATE	REVISION NO. & DESCRIPTION	BY	SCALE:	DESIGN TRACKING	AS BUILT INFORMATION	ENGINEER'S SEAL	ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY		
-	-	-	-	AS SHOWN	DESIGNED BY: SM DATE: 11/29/22	CONTRACTOR -		VULCAN SITE DEVELOPMENT PROJECT LEGEND AND ABBREVIATIONS		
-	-	-	-	ATTENTION	DRAWN BY: JSH DATE: 11/29/22	WORK STAKED BY - DATE -				
-	-	-	-	0 1/2" 1"	CHECKED BY: REH DATE: 11/29/22	INSPECTOR'S ACCEPTANCE BY - DATE -				
-	-	-	-	GRAPHIC SCALE	CROSS CHK'D BY: - DATE: -	INSPECTOR'S NAME -				
-	-	-	-	THIS BAR MEASURES 1" AT FULL SCALE (ANSI D)	APPROVED BY: - DATE: -	FIELD VERIFICATION BY - DATE -				
-	-	-	-		MAPS/RECORDS INFO.	DRAWINGS CORRECTED BY - DATE -				
						AECOM Delivering a better world One Park Square, 6501 Americas Pkwy NE, Suite 900 Albuquerque, New Mexico 87110 (505)-855-7500		WATER AUTHORITY CONSTRUCTION PROJECT NO.	ZONE MAP NO. F-16	DRAWING G-02

PRELIMINARY DESIGN - FOR REVIEW ONLY

GENERAL NOTES:

1. THE NOTES ON THIS SHEET AND THE STANDARD DETAILS ARE GENERAL AND APPLY TO THE ENTIRE PROJECT WHETHER SPECIFICALLY CALLED OUT OR NOT, EXCEPT WHERE THERE ARE SPECIFIC INDICATIONS TO THE CONTRARY ON SHEETS. IF THERE ARE QUESTIONS, THEY SHALL BE SUBMITTED TO THE ENGINEER AND ANSWERED IN WRITING PRIOR TO CONSTRUCTION.
2. SAFETY AND STRUCTURE STABILITY DURING CONSTRUCTION ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. STRUCTURES HAVE BEEN DESIGNED TO RESIST THE DESIGN LIVE LOADS ONLY AS A COMPLETED STRUCTURE. PROVIDE TEMPORARY BRACING AND SHORING AS REQUIRED FOR STABILITY DURING CONSTRUCTION.
3. THE STANDARD DETAILS DEPICT TYPICAL DETAILING TO BE USED ON THIS PROJECT. IF CONDITIONS ARE NOT EXPLICITLY SHOWN ON THE DRAWINGS THEY SHALL BE MADE SIMILAR TO THE STANDARD DETAILS. OBTAIN APPROVAL OF ENGINEER IN WRITING FOR SIMILAR CONDITIONS PRIOR TO CONSTRUCTION.
4. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND ELEVATIONS OF EXISTING CONSTRUCTION AS REQUIRED TO COORDINATE NEW CONSTRUCTION. SUBMIT REQUIRED CHANGES FOR APPROVAL.
5. CONTRACTOR TO SUBMIT FOR APPROVAL ALL EQUIPMENT SIZES, OPERATING WEIGHTS, VIBRATION FORCES, SUPPORT LOCATIONS, ALONG WITH ANY OPENINGS, NOTCHES, AND RECESSES REQUIRED BY SUCH EQUIPMENT.
6. SHOP DRAWINGS SHALL BE FURNISHED FOR APPROVAL BEFORE ANY FABRICATION AND ERECTION IS STARTED. POORLY EXECUTED SHOP DRAWINGS SHALL BE REJECTED AND RESUBMITTED AT NO COST TO OWNER.
7. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT N.M. ONE-CALL SYSTEM, INC., 1-800-321-ALERT, FOR LOCATION OF EXISTING UTILITIES.
8. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AMENDMENT 1 TO UPDATE 9, REFERENCED TO HEREIN AS THE "STANDARD SPECIFICATIONS".
9. THE LOCATION OF EXISTING UNDERGROUND UTILITIES HAS BEEN DETERMINED BY INFORMATION PROVIDED BY OTHERS, AND SHALL BE CONSIDERED APPROXIMATE ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION AND SIZE OF ALL EXISTING UTILITY LINES PRIOR TO CONSTRUCTION AND SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGES RESULTING FROM FAILURE TO LOCATE ANY AND ALL UTILITIES.
10. THE CONTRACTOR SHALL SUPPORT AND MAINTAIN OPERATIONAL ALL UTILITIES EXPOSED DURING TRENCHING AND OTHER CONSTRUCTION OPERATIONS. ALL CONSTRUCTION ACTIVITIES INVOLVING GAS, POWER, WATER, FIBER OPTIC, TRAFFIC SIGNAL EQUIPMENT, AND/OR OTHER UTILITY LINES SHALL BE COORDINATED WITH THE OWNER OF THE UTILITY PRIOR TO ANY DISTURBANCE. NO UTILITY SERVICE SHALL BE DISRUPTED WITHOUT FIRST NOTIFYING ALL AFFECTED PARTIES 48 HOURS IN ADVANCE.
11. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING VALVE BOXES, MANHOLES, SEWER SERVICES, PAVEMENTS, PAVEMENT MARKINGS, SIGN AND SIGNAL EQUIPMENT, CURB & GUTTER, DRIVE PADS, RIP-RAP, DRAINAGE CULVERTS AND ASSOCIATED APPURTENANCES, WHEEL CHAIR RAMPS, AND SIDEWALKS DURING CONSTRUCTION, APART FROM THESE SECTIONS INDICATED FOR REMOVAL ON THE PLANS AND SHALL REPAIR OR REPLACE PER COUNTY STANDARDS AT CONTRACTOR'S EXPENSE.
12. QUANTITIES SHOWN FOR THE VARIOUS BID ITEMS ARE FOR CONTRACTOR INFORMATION ONLY. PAYMENT SHALL BE BASED ON ACTUAL QUANTITIES AS CONSTRUCTED.
13. ALL OPEN EXCAVATIONS SHALL BE BACKFILLED OR ADEQUATELY FENCED AT THE END OF EACH WORK DAY TO PREVENT PEDESTRIANS AND/OR VEHICLES FROM ENTERING THE EXCAVATIONS. ALL OPEN EXCAVATIONS SHALL BE BACKFILLED OVER WEEKENDS AND WHEN THE CONTRACTOR IS NOT WORKING THE FOLLOWING DAY.
14. THE CONTRACTOR WILL BE RESPONSIBLE FOR DISPOSING OF ALL DEBRIS, INCLUDING, NOT LIMITED TO HAZARDOUS WASTE AT DISPOSAL SITES APPROVED BY GOVERNMENT AGENCIES REGULATING THE DISPOSAL OF SUCH MATERIALS.
15. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
16. PRIOR TO CONSTRUCTION, EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY. THE COST OF ALL POTHOLING INVESTIGATIONS IS CONSIDERED INCIDENTAL TO THE WORK AND NO SEPARATE PAYMENT WILL BE MADE.
17. REMOVAL OF TREES, SHRUBS AND VEGETATION ALONG PIPELINE ALIGNMENTS, WHERE NECESSARY TO INSTALL PIPELINES AND APPURTENANCES, IS CONSIDERED INCIDENTAL TO THE WORK AND NO SEPARATE PAYMENT WILL BE MADE.
18. PROTECT ALL LANDSCAPING, EXISTING WALLS, FENCES, STRUCTURES AND IMPROVEMENTS LOCATED WITHIN OR ADJACENT TO WORK AREAS, UNLESS OTHERWISE INDICATED IN PLANS. REPLACE ALL DISTURBED OR DAMAGED IMPROVEMENTS IN KIND, AT NO COST TO THE OWNER AND AS DIRECTED BY THE ENGINEER.
19. REMOVAL AND REPLACEMENT OF FENCES IN ACCORDANCE TO PLAN.
20. MAINTAIN ONE RECORD COPY OF ALL SPECIFICATIONS, DRAWINGS, ADDENDA, MODIFICATIONS AND SHOP DRAWINGS AT THE SITE IN GOOD ORDER. THESE DOCUMENTS SHALL BE ANNOTATED TO SHOW ALL CHANGES MADE DURING THE CONSTRUCTION PROCESS. THE DOCUMENTS SHALL BE AVAILABLE TO THE ENGINEER AT ALL TIMES. WITHIN 25 DAYS OF THE COMPLETION OF THE PROJECT, THE DOCUMENTS SHALL BE COLLATED IN ONE PACKAGE AND CERTIFIED BY THE CONTRACTOR AS A COMPLETE SET OF AS-BUILT RECORD DOCUMENTS AND DELIVERED TO THE ENGINEER. MONTHLY PAYMENTS WILL NOT BE PROCESSED WITHOUT APPROVED UP TO DATE REDLINE DRAWINGS.
21. CONTRACTOR SHALL VIDEO RECORD THE WORK AREA, INCLUDING ALL LANDSCAPING, ROCK AND GRAVEL, TREES, SHRUBS, BUILDINGS, TANK EXTERIOR AND INTERIOR, INCLUDING ALL WALLS, APPURTENANCES, EQUIPMENT, PUMPS AND MOTORS, HEAT EXCHANGER, PIPING AND TUBING, PIPE SUPPORT, RAILINGS, GRATINGS, ETC., STRUCTURES THAT FRONT ON WORK AREAS PRIOR TO BEGINNING CONSTRUCTION AND PROVIDE A COPY OF ALL DVD RECORDINGS TO THE OWNER AND TO THE ENGINEER. IN ADDITION, REQUIRED SURVEYS FOR CURB FLOWLINES, TOPS OF CURB, DRIVEWAYS AND CROSS-SECTIONS OF EXISTING STREETS FOR WHICH PAVEMENT REMOVAL AND REPLACEMENT WILL OCCUR SHALL BE COMPLETED PRIOR TO STARTING TRENCH EXCAVATION WORK.
22. PERFORM ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES IN ACCORDANCE WITH OSHA 29CFR1926.650 SUBPART A.
23. THE CONTRACTOR SHALL GRADE AND RESURFACE ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH THE SPECIFICATIONS TO A CONDITION EQUAL TO, OR BETTER THAN, THE PRE-CONSTRUCTION CONDITION.
24. THE ELEVATIONS OF EXISTING STRUCTURES SHOWN MAY VARY. CONTRACTOR TO FIELD VERIFY.
25. CONTRACTOR TO MAINTAIN PLANT ROADWAY ACCESS TO ALL FACILITIES FOR MAINTAINING PLANT OPERATIONS DURING CONSTRUCTION. IF THE WORK REQUIRES INTERRUPTION OF EXISTING ACCESS TO PLANT FACILITIES THE CONTRACTOR SHALL PROVIDE TEMPORARY ACCESS (APPROVED BY THE OWNER) TO THESE FACILITIES. THE CONTRACTOR MUST SUBMIT A COORDINATION AND ASSISTANCE REQUEST (C&A) WITH THE PROPOSED ACTION OR INTERRUPTION OF PLANT OPERATIONS FOR APPROVAL BY PLANT OPERATIONS, A MINIMUM OF 5 WORKING DAYS IN ADVANCE OF THE WORK.
26. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE STARTING WORK AND SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
27. WHERE CONSTRUCTION DETAILS ARE SHOWN OR NOTED FOR ANY PART OF THE WORK, DETAILS SHALL BE THE SAME AS FOR OTHER SIMILAR WORK.

2309.022

NO.	DATE	REVISION NO. & DESCRIPTION	BY	SCALE:	DESIGN TRACKING			AS BUILT INFORMATION		ENGINEER'S SEAL	ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY		
-	-	-	-	AS SHOWN	DESIGNED BY: SM	DATE: 11/29/22				 <p>TITLE: VULCAN SITE DEVELOPMENT PROJECT GENERAL NOTES --</p>			
-	-	-	-	ATTENTION	DRAWN BY: JSH	DATE: 11/29/22							
-	-	-	-	0 1/2" 1"	CHECKED BY: REH	DATE: 11/29/22							
-	-	-	-		CROSS CHK'D BY: -	DATE: -							
-	-	-	-	GRAPHIC SCALE	APPROVED BY: -	DATE: -							
-	-	-	-	THIS BAR MEASURES 1" AT FULL SCALE (ANSI D)	MAPS/RECORDS INFO.								
-	-	-	-										
					 <p>Delivering a better world</p> <p>One Park Square, 6501 Americas Pkwy NE, Suite 900 Albuquerque, New Mexico 87110 (505)-855-7500</p>								
										WATER AUTHORITY CONSTRUCTION PROJECT NO.		ZONE MAP NO. F-16	DRAWING G-03

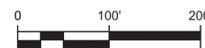
PRELIMINARY DESIGN -- FOR REVIEW ONLY

SHEET 3 OF 12



SURVEY CONTROL POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1001	1508885.52	1533050.84	5067.40	CONTROL PT
1002	1508890.77	1534533.24	5100.15	CONTROL PT
1003	1507963.32	1534674.03	5100.57	CONTROL PT
1004	1507946.58	1533402.83	5069.93	CONTROL PT
1005	1507081.52	1533008.78	5051.15	CONTROL PT
1006	1507072.40	1534664.13	5099.67	CONTROL PT

PLAN
Scale 1"=100'



1005
5051.15
CONTROL PT

2309.022

NO.	DATE	REVISION NO. & DESCRIPTION	BY	SCALE:	DESIGN TRACKING
-	-	-	-	AS SHOWN	DESIGNED BY: SM DATE: 11/29/22
-	-	-	-	ATTENTION	DRAWN BY: JSH DATE: 11/29/22
-	-	-	-	0 1/2" 1"	CHECKED BY: REH DATE: 11/29/22
-	-	-	-	GRAPHIC SCALE	CROSS CHK'D BY: - DATE: -
-	-	-	-	THIS BAR MEASURES 1" AT FULL SCALE (ANSI D)	APPROVED BY: - DATE: -
-	-	-	-		MAPS/RECORDS INFO.

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AS BUILT INFORMATION		ENGINEER'S SEAL
CONTRACTOR	-	
WORK STAKED BY	-	
INSPECTOR'S ACCEPTANCE BY	-	
INSPECTOR'S NAME	-	
FIELD VERIFICATION BY	-	
DRAWINGS CORRECTED BY	-	

ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY
 TITLE: VULCAN SITE DEVELOPMENT PROJECT
SURVEY CONTROL PLAN

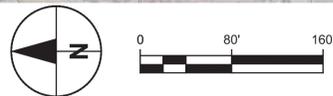
 WATER AUTHORITY CONSTRUCTION PROJECT NO. ZONE MAP NO. **F-16** DRAWING **V-01**

PRELIMINARY DESIGN — FOR REVIEW ONLY

SHEET 4 OF 12



SITE DEMOLITION PLAN
Scale 1"=80'



2309.022

NO.	DATE	REVISION NO. & DESCRIPTION	BY	SCALE:	DESIGN TRACKING
-	-	-	-	AS SHOWN	DESIGNED BY: SM DATE: 11/29/22
-	-	-	-	ATTENTION	DRAWN BY: JSH DATE: 11/29/22
-	-	-	-	0 1/2" 1"	CHECKED BY: REH DATE: 11/29/22
-	-	-	-	GRAPHIC SCALE	CROSS CHK'D BY: - DATE: -
-	-	-	-	THIS BAR MEASURES 1" AT FULL SCALE (ANSI D)	APPROVED BY: - DATE: -
-	-	-	-		MAPS/RECORDS INFO.

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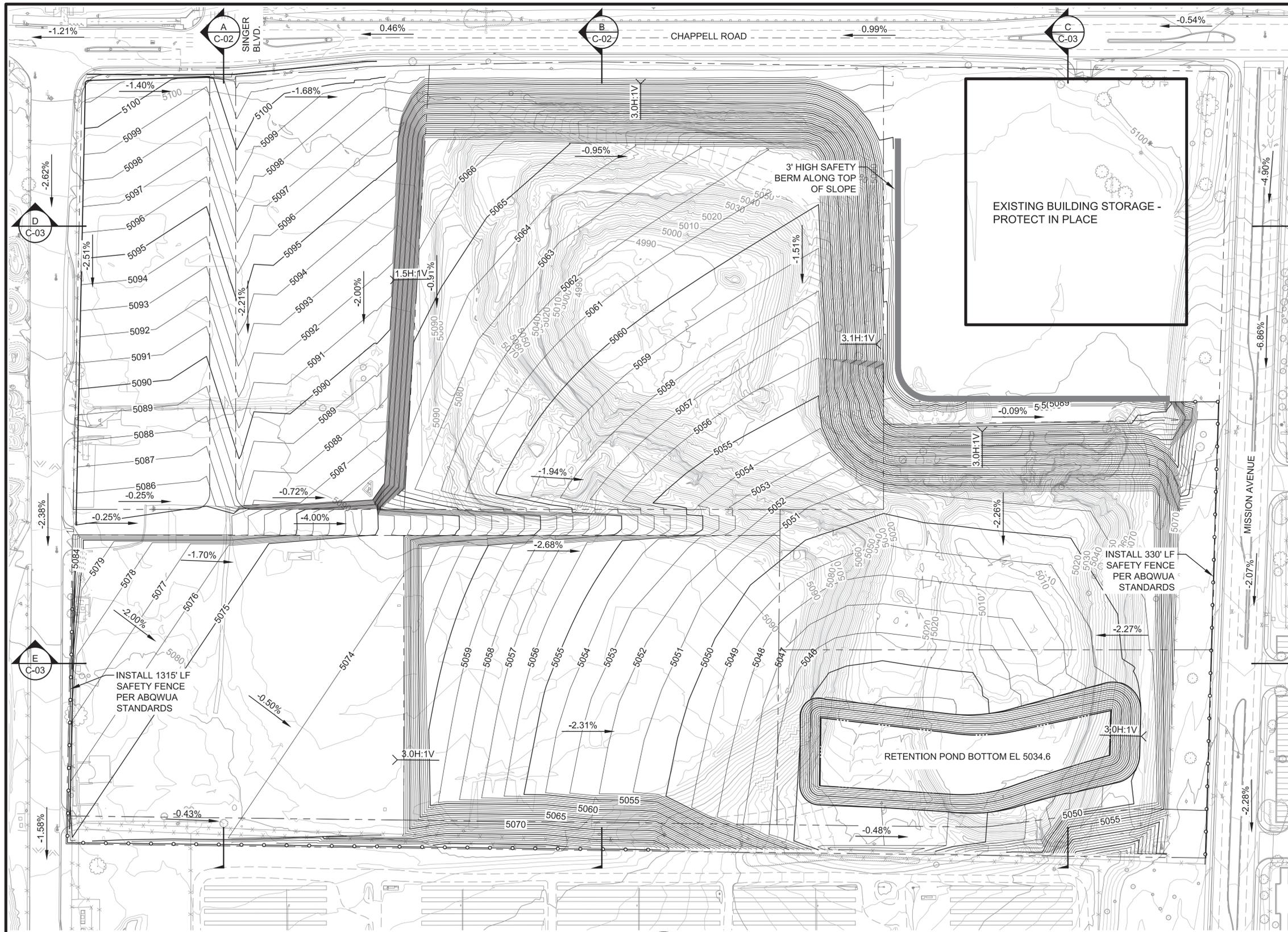
AS BUILT INFORMATION		ENGINEER'S SEAL
CONTRACTOR	-	
WORK STAKED BY	-	
INSPECTOR'S ACCEPTANCE BY	-	
INSPECTOR'S NAME	-	
FIELD VERIFICATION BY	-	
DRAWINGS CORRECTED BY	-	

ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY
 TITLE: VULCAN SITE DEVELOPMENT PROJECT
DEMOLITION PLAN

WATER AUTHORITY CONSTRUCTION PROJECT NO. ZONE MAP NO. **F-16** DRAWING **D-01**

PRELIMINARY DESIGN - FOR REVIEW ONLY

SHEET 5 OF 12



PLAN
Scale 1"=80'



NO.	DATE	REVISION NO. & DESCRIPTION	BY
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

SCALE:
AS SHOWN
ATTENTION
0 1/2" 1"
GRAPHIC SCALE
THIS BAR MEASURES 1" AT FULL SCALE (ANSI D)

DESIGN TRACKING		
DESIGNED BY:	SM	DATE: 11/29/22
DRAWN BY:	JSH	DATE: 11/29/22
CHECKED BY:	REH	DATE: 11/29/22
CROSS CHK'D BY:	-	DATE: -
APPROVED BY:	-	DATE: -
MAPS/RECORDS INFO.		
-	-	-

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AS BUILT INFORMATION	
CONTRACTOR	-
WORK STAKED BY	-
INSPECTOR'S ACCEPTANCE BY	-
INSPECTOR'S NAME	-
FIELD VERIFICATION BY	-
DRAWINGS CORRECTED BY	-

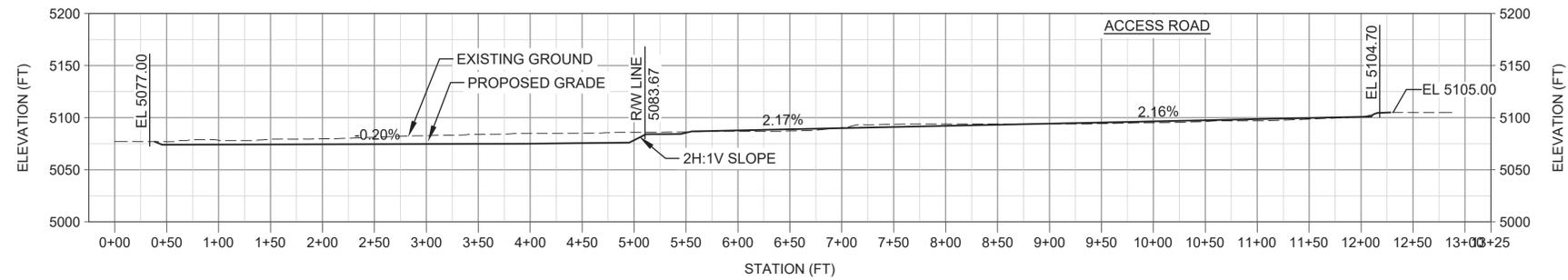
ENGINEER'S SEAL
-

ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY
TITLE: VULCAN SITE DEVELOPMENT PROJECT PHASE I SITE GRADING PLAN
WATER AUTHORITY CONSTRUCTION PROJECT NO. ZONE MAP NO. F-16 DRAWING C-01

PRELIMINARY DESIGN - FOR REVIEW ONLY

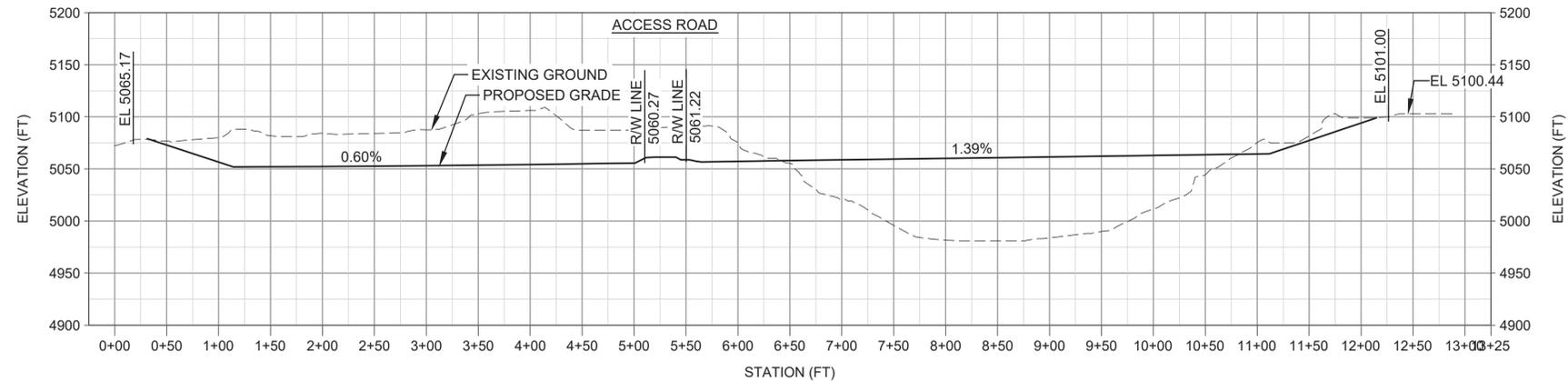
2309.022

SHEET 6 OF 12



SECTION A

Scale 1"=80' Vert.
1"=80' Horiz.



SECTION B

Scale 1"=80' Vert.
1"=80' Horiz.

2309.022

NO.	DATE	REVISION NO. & DESCRIPTION	BY	SCALE:	DESIGN TRACKING
-	-	-	-	AS SHOWN	DESIGNED BY: SM DATE: 11/29/22
-	-	-	-	ATTENTION	DRAWN BY: JSH DATE: 11/29/22
-	-	-	-	0 1/2" 1"	CHECKED BY: REH DATE: 11/29/22
-	-	-	-	GRAPHIC SCALE	CROSS CHK'D BY: - DATE: -
-	-	-	-	THIS BAR MEASURES 1" AT FULL SCALE (ANSI D)	APPROVED BY: - DATE: -
-	-	-	-		MAPS/RECORDS INFO.

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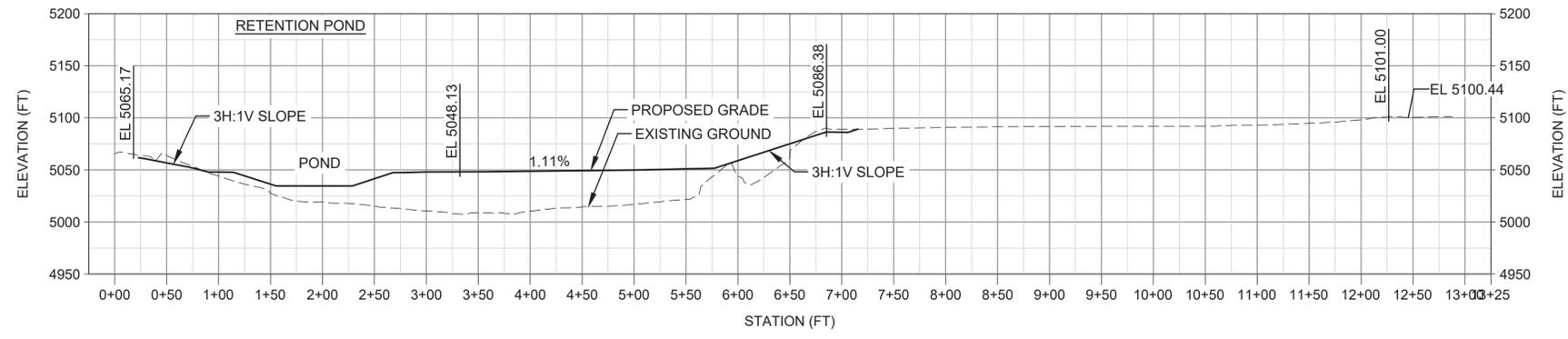
AS BUILT INFORMATION		ENGINEER'S SEAL
CONTRACTOR	-	
WORK STAKED BY	-	
INSPECTOR'S ACCEPTANCE BY	-	
INSPECTOR'S NAME	-	
FIELD VERIFICATION BY	-	
DRAWINGS CORRECTED BY	-	

ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY
 TITLE: VULCAN SITE DEVELOPMENT PROJECT
PHASE I GRADING CROSS SECTIONS

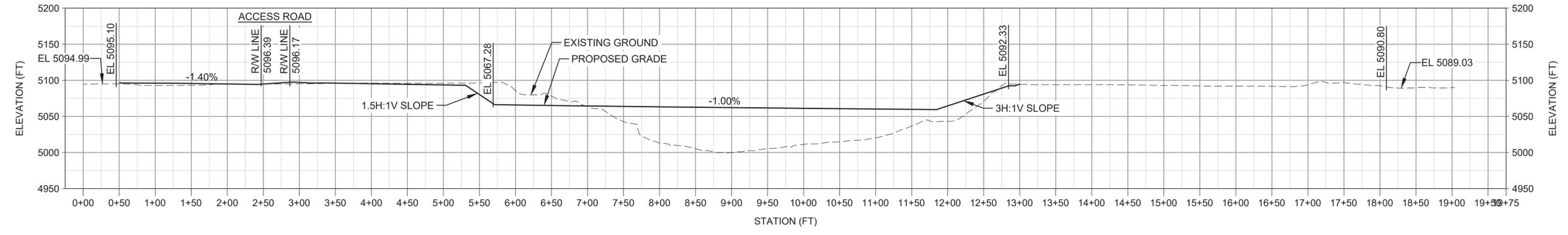
 WATER AUTHORITY CONSTRUCTION PROJECT NO. ZONE MAP NO. **F-16** DRAWING **C-02**

PRELIMINARY DESIGN — FOR REVIEW ONLY

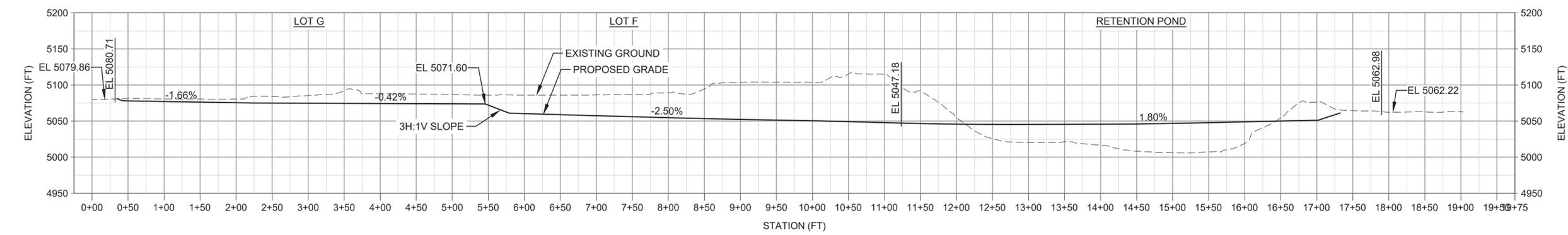
SHEET 7 OF 12



SECTION C
Scale 1"=80' Vert.
1"=80' Horiz.



SECTION D
Scale 1"=80' Vert.
1"=80' Horiz.



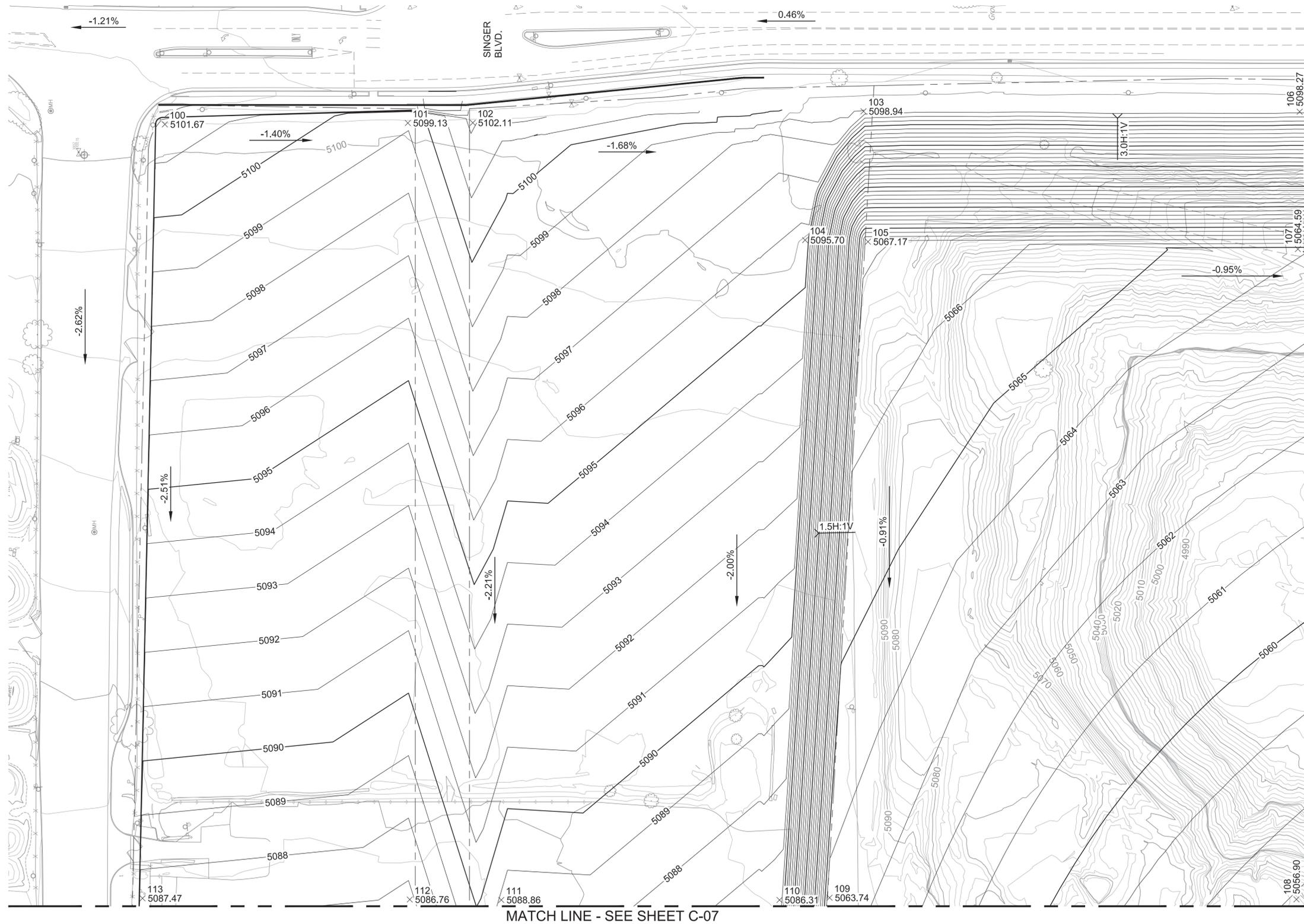
SECTION E
Scale 1"=80' Vert.
1"=80' Horiz.

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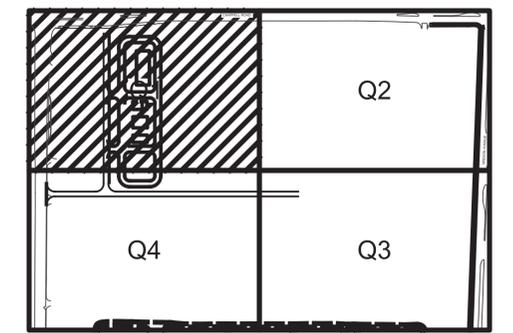
NO.	DATE	REVISION NO. & DESCRIPTION	BY	SCALE:	DESIGN TRACKING	AS BUILT INFORMATION	ENGINEER'S SEAL	ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY		
-	-	-	-	AS SHOWN	DESIGNED BY: SM DATE: 11/29/22	CONTRACTOR -	[ENGINEER'S SEAL]	TITLE: VULCAN SITE DEVELOPMENT PROJECT		
-	-	-	-	ATTENTION	DRAWN BY: JSH DATE: 11/29/22	WORK STAKED BY - DATE -		PHASE I GRADING CROSS SECTIONS		
-	-	-	-	0 1/2" 1"	CHECKED BY: REH DATE: 11/29/22	INSPECTOR'S ACCEPTANCE BY - DATE -		---		
-	-	-	-	GRAPHIC SCALE	CROSS CHK'D BY: - DATE: -	INSPECTOR'S NAME -		WATER AUTHORITY CONSTRUCTION PROJECT NO.	ZONE MAP NO. F-16	DRAWING C-03
-	-	-	-	THIS BAR MEASURES 1" AT FULL SCALE (ANSI D)	APPROVED BY: - DATE: -	FIELD VERIFICATION BY - DATE -				
-	-	-	-		MAPS/RECORDS INFO.	DRAWINGS CORRECTED BY - DATE -				

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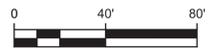
PRELIMINARY DESIGN — FOR REVIEW ONLY



POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
100	1508831.32	1534555.78	5101.67	PRELIM GRADE
101	1508652.12	1534556.77	5099.13	PRELIM GRADE
102	1508604.23	1534556.95	5102.11	PRELIM GRADE
103	1508316.04	1534565.41	5098.94	PRELIM GRADE
104	1508359.13	1534470.62	5095.70	PRELIM GRADE
105	1508312.75	1534469.43	5067.17	PRELIM GRADE
106	1507994.37	1534565.13	5098.27	PRELIM GRADE
107	1507995.67	1534464.01	5064.59	PRELIM GRADE
108	1507996.74	1533985.37	5056.90	PRELIM GRADE
109	1508341.06	1533986.57	5063.74	PRELIM GRADE
110	1508378.04	1533984.92	5086.31	PRELIM GRADE
111	1508583.21	1533984.95	5088.86	PRELIM GRADE
112	1508650.72	1533985.25	5086.76	PRELIM GRADE
113	1508847.81	1533986.16	5087.47	PRELIM GRADE



GRADING PLAN QUADRANT 1
Scale 1"=40'



KEY PLAN
Scale 1"=40'



2309.022

NO.	DATE	REVISION NO. & DESCRIPTION	BY	SCALE:	DESIGN TRACKING
-	-	-	-	AS SHOWN	DESIGNED BY: SM DATE: 11/29/22
-	-	-	-	ATTENTION	DRAWN BY: JSH DATE: 11/29/22
-	-	-	-	0 1/2" 1"	CHECKED BY: REH DATE: 11/29/22
-	-	-	-	GRAPHIC SCALE	CROSS CHK'D BY: - DATE: -
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-	-	-	-		MAPS/RECORDS INFO.

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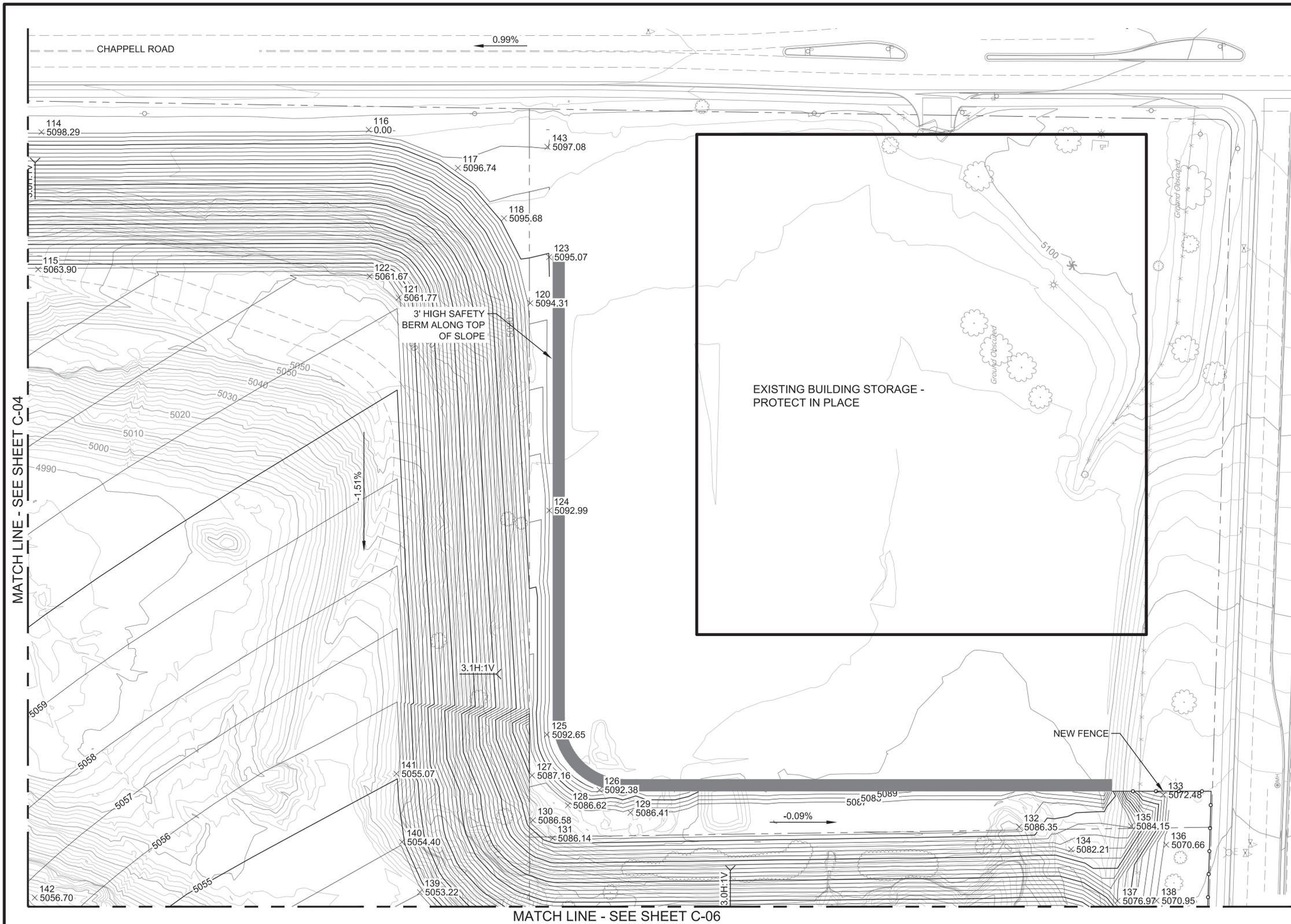
AS BUILT INFORMATION		ENGINEER'S SEAL
CONTRACTOR	-	
WORK STAKED BY	-	
INSPECTOR'S ACCEPTANCE BY	-	
INSPECTOR'S NAME	-	
FIELD VERIFICATION BY	-	
DRAWINGS CORRECTED BY	-	

ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY
 TITLE: VULCAN SITE DEVELOPMENT PROJECT
GRADING PLAN QUADRANT 1

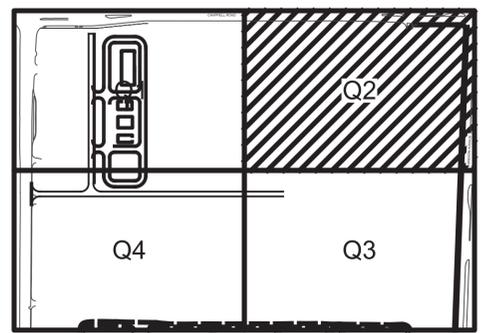
 WATER AUTHORITY CONSTRUCTION PROJECT NO. ZONE MAP NO. **F-16** DRAWING **C-04**

PRELIMINARY DESIGN - FOR REVIEW ONLY

SHEET 9 OF 12



POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
114	1507978.43	1534565.12	5098.29	PRELIM GRADE
115	1507980.88	1534461.41	5063.90	PRELIM GRADE
116	1507730.78	1534566.76	0.00	PRELIM GRADE
117	1507663.32	1534538.06	5096.74	PRELIM GRADE
118	1507628.47	1534500.02	5095.68	PRELIM GRADE
120	1507608.56	1534435.93	5094.31	PRELIM GRADE
121	1507708.13	1534440.02	5061.77	PRELIM GRADE
122	1507730.10	1534456.12	5061.67	PRELIM GRADE
123	1507594.28	1534470.76	5095.07	PRELIM GRADE
124	1507594.22	1534279.42	5092.99	PRELIM GRADE
125	1507596.04	1534110.25	5092.65	PRELIM GRADE
126	1507556.22	1534068.56	5092.38	PRELIM GRADE
127	1507607.28	1534079.33	5087.16	PRELIM GRADE
128	1507580.11	1534056.85	5086.62	PRELIM GRADE
129	1507532.79	1534051.23	5086.41	PRELIM GRADE
130	1507606.61	1534045.61	5086.58	PRELIM GRADE
131	1507591.62	1534032.03	5086.14	PRELIM GRADE
132	1507238.83	1534040.46	5086.35	PRELIM GRADE
133	1507129.67	1534064.82	5072.48	PRELIM GRADE
134	1507199.48	1534023.59	5082.21	PRELIM GRADE
135	1507154.07	1534041.17	5084.15	PRELIM GRADE
136	1507127.46	1534027.06	5070.66	PRELIM GRADE
137	1507164.34	1533984.66	5076.97	PRELIM GRADE
138	1507134.86	1533984.85	5070.95	PRELIM GRADE
139	1507692.08	1533991.28	5053.22	PRELIM GRADE
140	1507705.67	1534029.19	5054.40	PRELIM GRADE
141	1507709.88	1534080.68	5055.07	PRELIM GRADE
142	1507983.50	1533987.11	5056.70	PRELIM GRADE
143	1507595.64	1534553.93	5097.08	PRELIM GRADE



GRADING PLAN QUADRANT 2
Scale 1"=40'



KEY PLAN
Scale 1"=40'

2309.022

NO.	DATE	REVISION NO. & DESCRIPTION	BY	SCALE:	DESIGN TRACKING
-	-	-	-	AS SHOWN	DESIGNED BY: SM DATE: 11/29/22
-	-	-	-	ATTENTION	DRAWN BY: JSH DATE: 11/29/22
-	-	-	-	0 1/2" 1"	CHECKED BY: REH DATE: 11/29/22
-	-	-	-	GRAPHIC SCALE	CROSS CHK'D BY: - DATE: -
-	-	-	-	THIS BAR MEASURES 1" AT FULL SCALE (ANSI D)	APPROVED BY: - DATE: -
-	-	-	-		MAPS/RECORDS INFO.

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AS BUILT INFORMATION		ENGINEER'S SEAL
CONTRACTOR	-	
WORK STAKED BY	-	
INSPECTOR'S ACCEPTANCE BY	-	
INSPECTOR'S NAME	-	
FIELD VERIFICATION BY	-	
DRAWINGS CORRECTED BY	-	

ALBUQUERQUE BERNALILLO COUNTY
 WATER UTILITY AUTHORITY
 TITLE: VULCAN SITE DEVELOPMENT PROJECT
 GRADING PLAN QUADRANT 2

 WATER AUTHORITY CONSTRUCTION PROJECT NO. ZONE MAP NO. F-16 DRAWING C-05

PRELIMINARY DESIGN - FOR REVIEW ONLY

SHEET 10 OF 12

MATCH LINE - SEE SHEET C-05



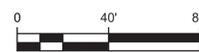
MATCH LINE - SEE SHEET C-07

POINT TABLE

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
144	1507963.42	1533912.54	5055.00	PRELIM GRADE
145	1507680.45	1533967.97	5052.19	PRELIM GRADE
146	1507648.48	1533945.60	5051.25	PRELIM GRADE
147	1507608.85	1533929.21	5050.95	PRELIM GRADE
148	1507195.79	1533929.16	5051.66	PRELIM GRADE
149	1507152.67	1533900.44	5065.59	PRELIM GRADE
150	1507132.60	1533969.57	5070.02	PRELIM GRADE
154	1507227.38	1533626.56	5049.63	PRELIM GRADE
155	1507260.30	1533593.49	5034.60	PRELIM GRADE
156	1507261.76	1533525.33	5034.70	PRELIM GRADE
157	1507220.30	1533504.56	5049.98	PRELIM GRADE
162	1507449.02	1533437.06	5045.00	PRELIM GRADE
163	1507453.96	1533466.66	5035.00	PRELIM GRADE
165	1507707.20	1533479.19	5034.67	PRELIM GRADE
168	1507730.13	1533458.54	5044.86	PRELIM GRADE
169	1507732.33	1533600.78	5045.12	PRELIM GRADE
170	1507705.57	1533582.14	5034.60	PRELIM GRADE
174	1507457.17	1533587.68	5044.78	PRELIM GRADE
177	1507458.21	1533555.92	5034.60	PRELIM GRADE
180	1507188.34	1533452.55	5050.93	PRELIM GRADE
181	1507179.32	1533373.69	5058.71	PRELIM GRADE
183	1507364.84	1533376.11	5049.97	PRELIM GRADE
184	1507333.60	1533437.37	5047.72	PRELIM GRADE
185	1507367.43	1533401.02	5046.40	PRELIM GRADE
186	1507512.97	1533386.39	5044.00	PRELIM GRADE
187	1507608.36	1533387.96	5044.00	PRELIM GRADE
189	1507713.27	1533385.49	5044.23	PRELIM GRADE
190	1507953.84	1533464.65	5050.63	PRELIM GRADE
191	1507984.31	1533383.99	5078.45	PRELIM GRADE
193	1507984.30	1533855.43	5054.53	PRELIM GRADE
194	1507840.08	1533862.32	5052.19	PRELIM GRADE
195	1507843.38	1533906.07	5052.95	PRELIM GRADE
196	1507985.20	1533903.68	5057.06	PRELIM GRADE

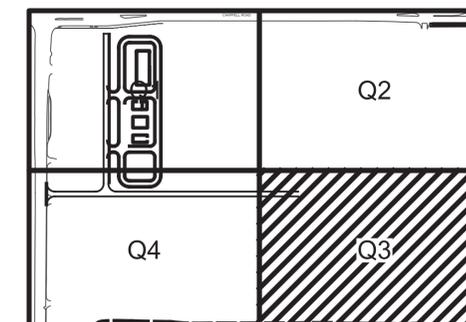
GRADING PLAN QUADRANT 3

Scale 1"=40'



KEY PLAN

Scale 1"=40'



2309.022

NO.	DATE	REVISION NO. & DESCRIPTION	BY	SCALE:	DESIGN TRACKING
-	-	-	-	AS SHOWN	DESIGNED BY: SM DATE: 11/29/22
-	-	-	-	ATTENTION	DRAWN BY: JSH DATE: 11/29/22
-	-	-	-	0 1/2" 1"	CHECKED BY: REH DATE: 11/29/22
-	-	-	-	GRAPHIC SCALE	CROSS CHK'D BY: - DATE: -
-	-	-	-	THIS BAR MEASURES 1" AT FULL SCALE (ANSI D)	APPROVED BY: - DATE: -
-	-	-	-		MAPS/RECORDS INFO.



One Park Square, 6501 Americas Pkwy NE,
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(505)-855-7500

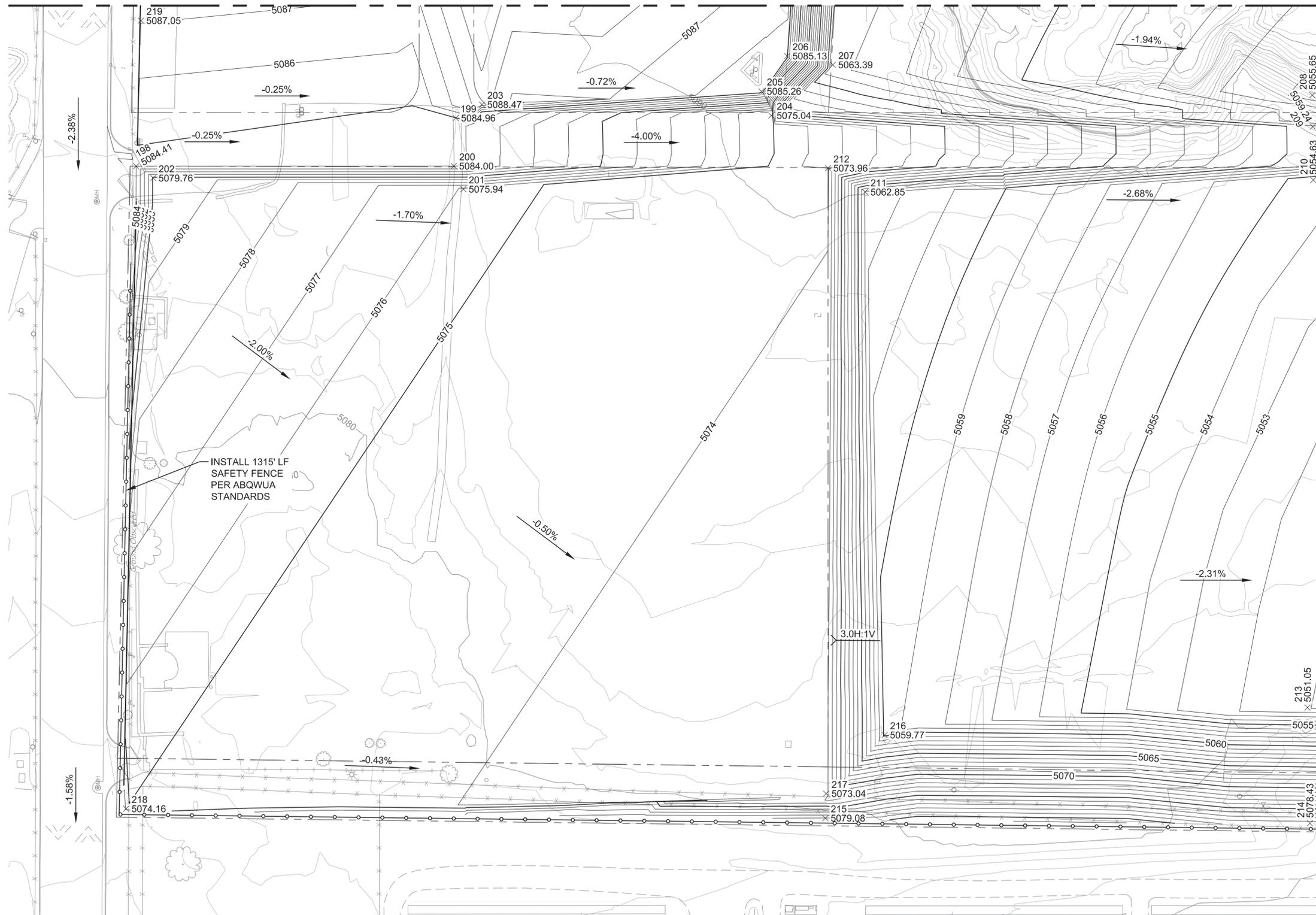
AS BUILT INFORMATION		ENGINEER'S SEAL
CONTRACTOR	-	
WORK STAKED BY	-	
INSPECTOR'S ACCEPTANCE BY	-	
INSPECTOR'S NAME	-	
FIELD VERIFICATION BY	-	
DRAWINGS CORRECTED BY	-	

ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY		
TITLE: VULCAN SITE DEVELOPMENT PROJECT GRADING PLAN QUADRANT 3		
WATER AUTHORITY CONSTRUCTION PROJECT NO.	ZONE MAP NO. F-16	DRAWING C-06

PRELIMINARY DESIGN - FOR REVIEW ONLY

SHEET 11 OF 12

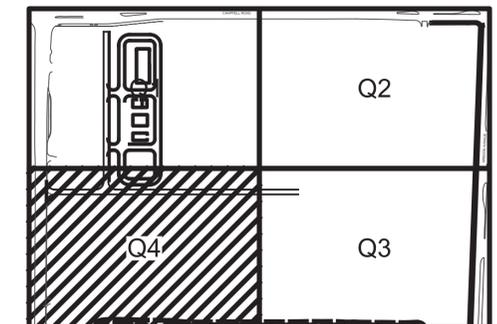
MATCH LINE - SEE SHEET C-04



POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
198	1508853.40	1533863.21	5084.41	PRELIM GRADE
199	1508619.89	1533898.30	5084.96	PRELIM GRADE
200	1508621.29	1533863.27	5084.00	PRELIM GRADE
201	1508614.28	1533846.45	5075.94	PRELIM GRADE
202	1508840.97	1533854.53	5079.76	PRELIM GRADE
203	1508600.73	1533908.11	5088.47	PRELIM GRADE
204	1508389.24	1533900.12	5075.04	PRELIM GRADE
205	1508396.46	1533917.80	5085.26	PRELIM GRADE
206	1508377.67	1533943.49	5085.13	PRELIM GRADE
207	1508344.22	1533937.07	5063.39	PRELIM GRADE
208	1507993.81	1533914.99	5055.65	PRELIM GRADE
209	1507993.51	1533891.99	5059.24	PRELIM GRADE
210	1507993.22	1533853.08	5054.63	PRELIM GRADE
211	1508320.67	1533844.36	5062.85	PRELIM GRADE
212	1508347.81	1533861.75	5073.96	PRELIM GRADE
213	1507997.40	1533468.55	5051.05	PRELIM GRADE
214	1507995.62	1533384.23	5078.43	PRELIM GRADE
215	1508349.74	1533387.96	5079.08	PRELIM GRADE
216	1508306.40	1533448.55	5059.77	PRELIM GRADE
217	1508349.16	1533405.81	5073.04	PRELIM GRADE
218	1508860.75	1533394.79	5074.16	PRELIM GRADE
219	1508849.86	1533969.28	5087.05	PRELIM GRADE

MATCH LINE - SEE SHEET C-06

GRADING PLAN QUADRANT 4
Scale 1"=40'



KEY PLAN
Scale 1"=40'



2309.022

NO.	DATE	REVISION NO. & DESCRIPTION	BY	SCALE:	DESIGN TRACKING
-	-	-	-	AS SHOWN	DESIGNED BY: SM DATE: 11/29/22
-	-	-	-	ATTENTION	DRAWN BY: JSH DATE: 11/29/22
-	-	-	-	0 1/2" 1"	CHECKED BY: REH DATE: 11/29/22
-	-	-	-	GRAPHIC SCALE	CROSS CHK'D BY: - DATE: -
-	-	-	-	THIS BAR MEASURES 1" AT FULL SCALE (ANSI D)	APPROVED BY: - DATE: -
-	-	-	-		MAPS/RECORDS INFO.

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AS BUILT INFORMATION		ENGINEER'S SEAL
CONTRACTOR	-	
WORK STAKED BY	-	
INSPECTOR'S ACCEPTANCE BY	-	
INSPECTOR'S NAME	-	
FIELD VERIFICATION BY	-	
DRAWINGS CORRECTED BY	-	

ALBUQUERQUE BERNALILLO COUNTY
 WATER UTILITY AUTHORITY
 TITLE: VULCAN SITE DEVELOPMENT PROJECT
 GRADING PLAN QUADRANT 4

 WATER AUTHORITY CONSTRUCTION PROJECT NO. ZONE MAP NO. F-16 DRAWING C-07

PRELIMINARY DESIGN - FOR REVIEW ONLY

SHEET 12 OF 12