

BAYO COMPOST AREA EXPANSION

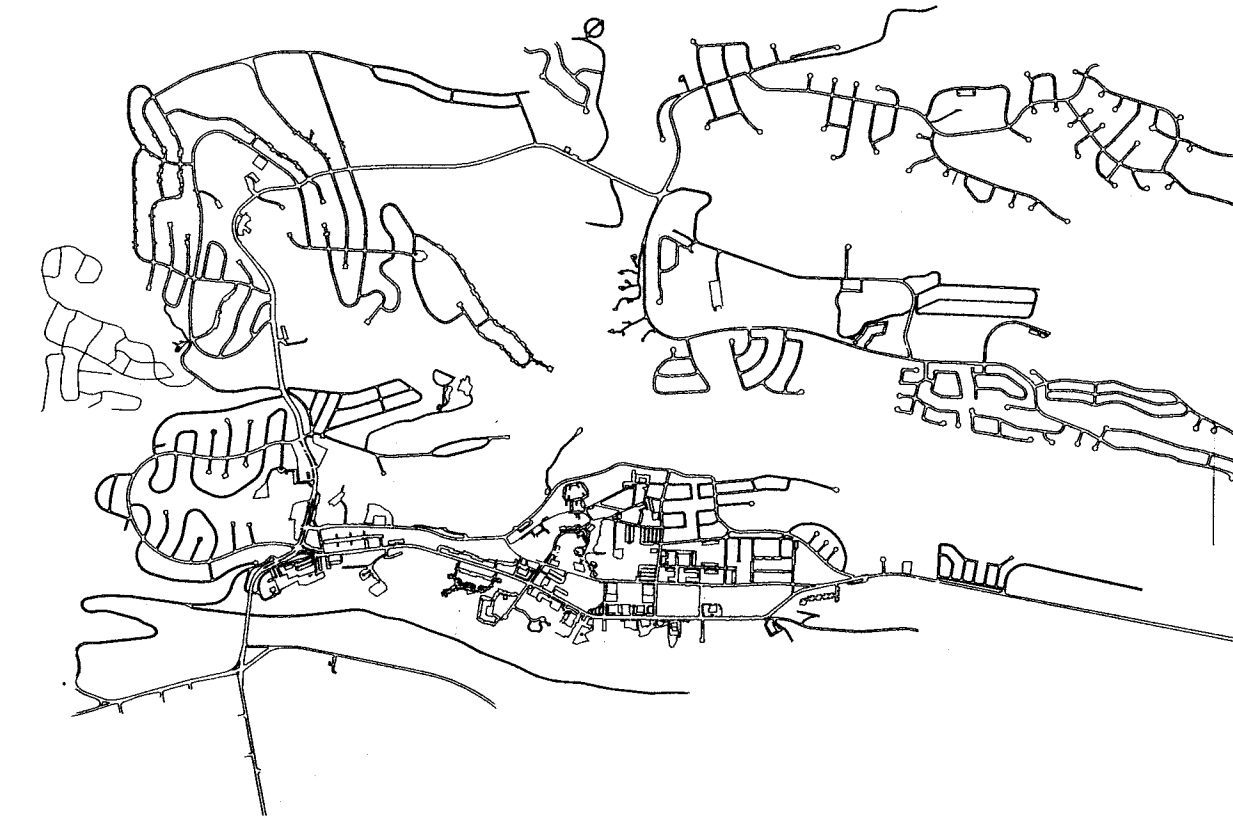
IFB-2024-07

LOS ALAMOS COUNTY - NEW MEXICO



LOS ALAMOS

PROJECT AREA



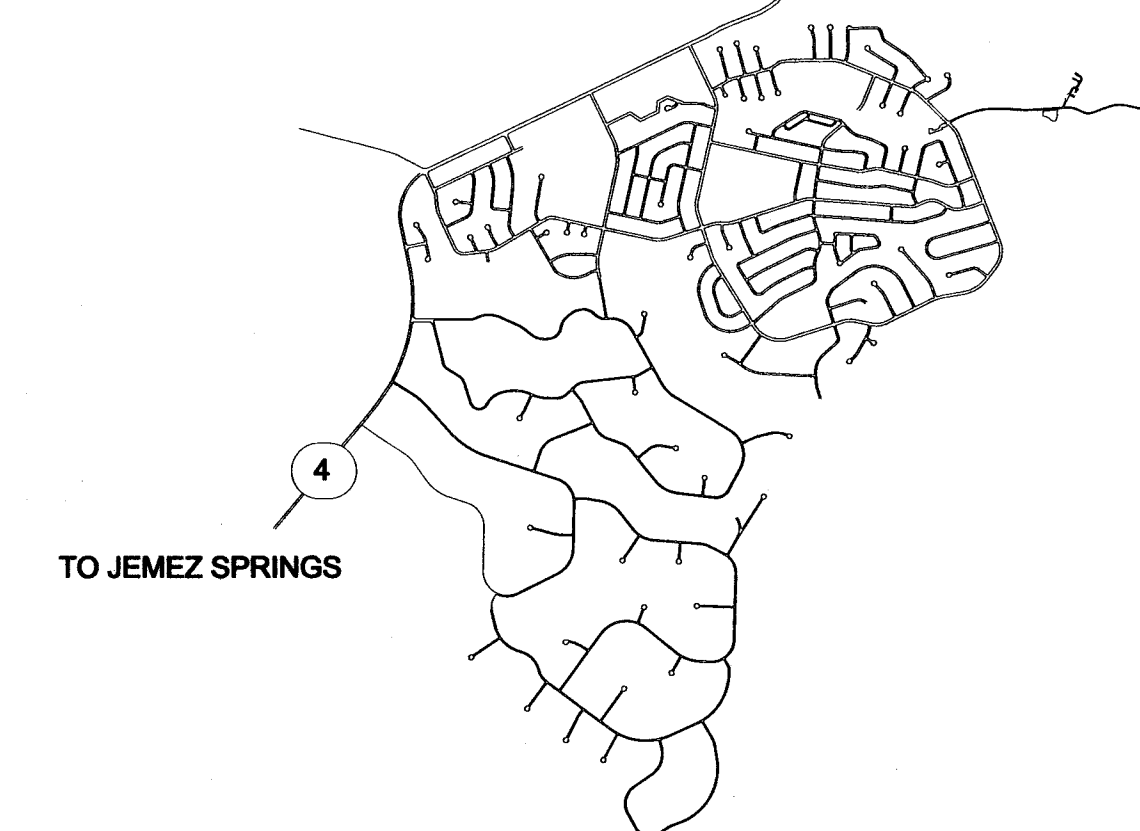
LOS ALAMOS VICINITY MAP

NOT TO SCALE

SHEET INDEX

TITLE SHEET

- 1 GENERAL NOTES
- 2 EXISTING CONDITIONS
- 3 COMPOSTING SITE IMPROVEMENTS
- 4 GRADING PLAN
- 5 DETAILS

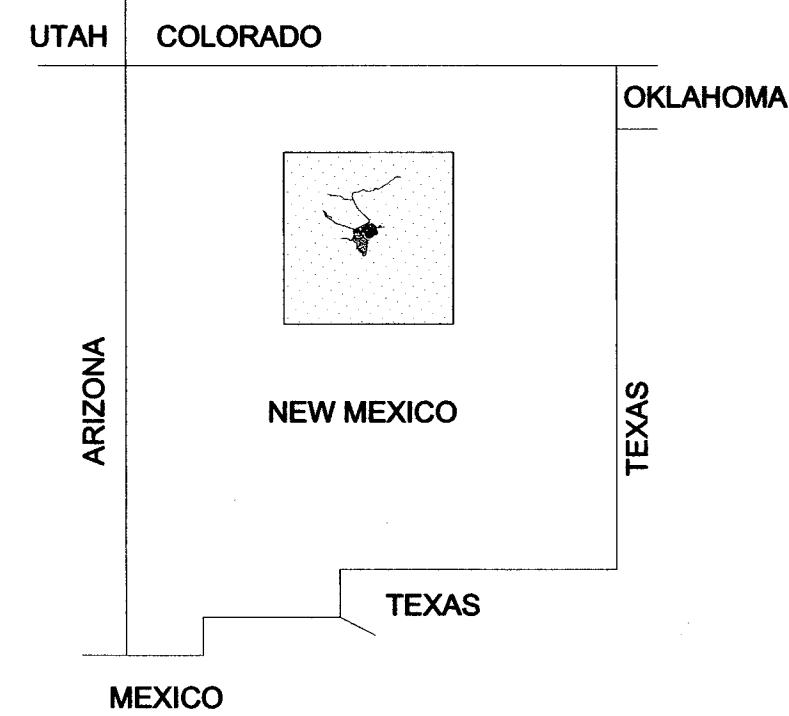


WHITE ROCK VICINITY MAP

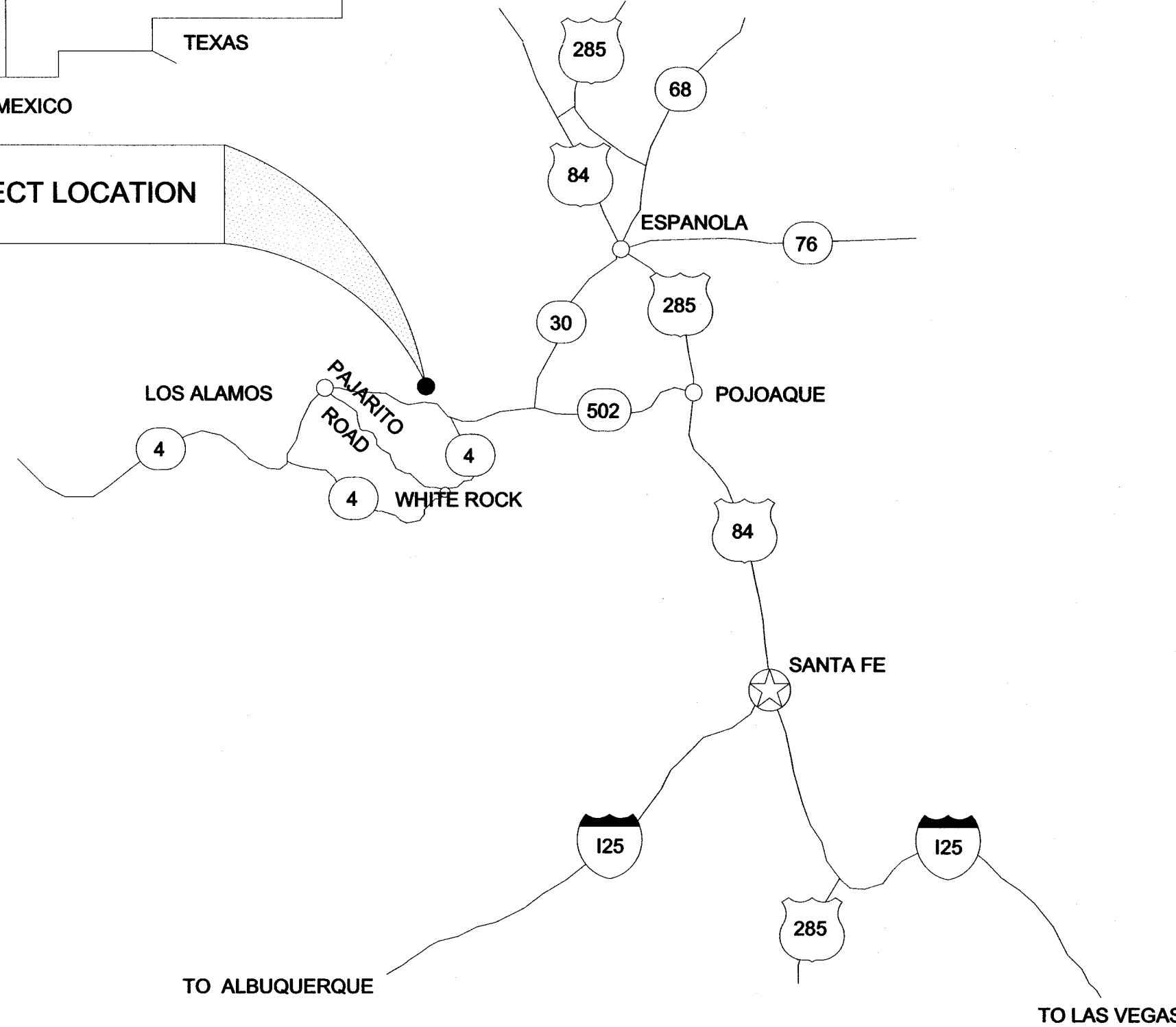
NOT TO SCALE



6/1/23



PROJECT LOCATION



NEW MEXICO REGIONAL MAP

NOT TO SCALE

APPROVED BY:

DEPARTMENT OF PUBLIC
UTILITIES PROJECT ENGINEER

DATE

6/2/23

DEPARTMENT OF PUBLIC UTILITIES
ENGINEERING ASSOCIATE

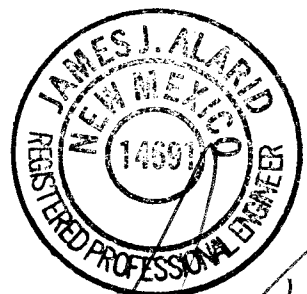
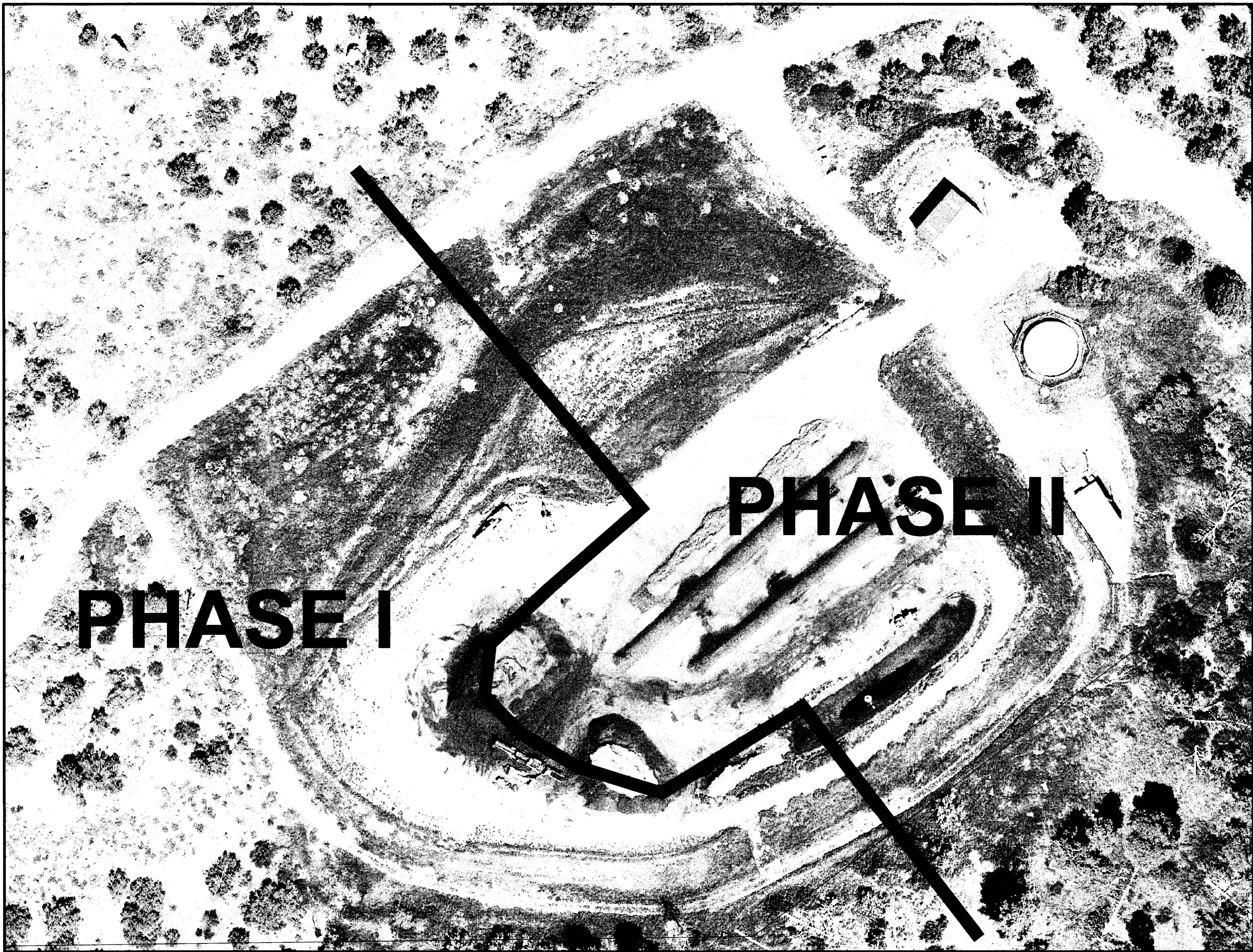
DATE

6/1/2023

DEPARTMENT OF PUBLIC UTILITIES CONSTRUCTION NOTES

1. THE PROJECT WILL BE CONSTRUCTED IN TWO PHASES TO ACCOMMODATE THE ONGOING COMPOSTING OPERATON. LOS ALAMOS COUNTY MUST PERFORM COMPOSTING HANDLING AND OPERATIONS ON AN AREA THAT IS LINED TO PREVENT GROUNDWATER CONTAMINATION.
2. THE LIMITS OF PHASE I AND PHASE II ARE DEPICTED ON THE MAP ON THIS PAGE.
- a. PHASE I: FILL PLACEMENT, COMPACTION, GRADING, INSTALL/TEST NEW LINER, EXPAND POND, INSTALL BIN-BLOCKS, CONCRETE RUN-DOWN AND INCIDENTALS TO COMPLETE THE WORK AND SHIFT THE COMPOSTING OPERATION TO THIS AREA.
- b. PHASE II: PLACE, GRADE AND COMPACT SOIL WEAR SURFACE ON TOP OF THE EXISTING LINER TO ESTABISH A 12" MINIMUM WEAR SURFACE.
3. THERE WILL BE AN EXCESS OF FINISHED COMPOST AND WOOD CHIPS THAT WILL NEED TO BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AT THE BEGINNING OF THE PROJECT, AND WHEN THE COMPOSTING OPERATION IS SHIFTED TO THE NEW LINED AREA TO BEGIN WORK ON PHASE II. THE CONTRACTOR SHALL COORDINATE THE REMOVAL OF THIS MATERIAL WITH THE OWNER. THE CONTRACTOR IS RESPONSIBLE FOR DISPOSAL OF THIS MATERIAL IN A LEGAL MANNER AND FOR SECURING ANY PERMITS, PAYMENT OF TIPPING FEES AND OTHER ADMINISTRATIVE REQUIREMENTS THAT MAY BE REQUIRED.
4. COMPACTION OF SUBGRADE, FILL MATERIAL AND MATERIALS PLACED ABOVE THE LINER SHALL BE COMPACTED TO 95%. THE CONTRACTOR SHALL HIRE A MATERIAL TESTING LABORATORY TO PERFORM TESTING OF THE SUBGRADE, FILL MATERIAL AND LINER COVER PER THE PROJECT SPECIFICATIONS. TEST RESULTS SHALL BE SUBMITTED TO THE PROJECT MANAGER. CONTRACTOR SHALL SUBMIT INVOICES FROM THE MATERIAL TESTING LABORATORY WITH THEIR PAY APPLICATIONS FOR PAYMENT FROM THE DESIGNATED MATERIAL TESTING ALLOWANCE.
5. A NUMBER OF BID ITEMS ARE TRACKED AND PAID ON A UNIT BASIS / CUBIC-YARDS. THE CONTRACTOR SHALL COORDINATE WITH THE PROJECT MANAGER AT THE BEGINNING OF THE PROJECT HOW THE MATERIAL QUANTITIES ARE TO BE TRACKED FOR PAYMENT AND THE SUPPORTING DOCUMENTATION TO BE PROVIDED WITH PAY APPLICATIONS (EXAMPLES: TRUCKING TICKETS, INVOICES, DISPOSAL INVOICES, SCALE RECORDS, FIELD SURVEYS ETC.).
6. THE CONTRACTOR SHALL HIRE A LICENSED SURVEYOR TO PERFORM A TOPOGRAPHIC SURVEY OF THE COMPOSTING SITE PRIOR TO BEGINNING WORK AND AN AS-BUILT TOPOGRAPHIC SURVEY UPON COMPLETION OF WORK. PRIOR TO FINAL PAYMENT, THE TWO TOPOGRAPHIC SURVEYS AND CALCULATED VOLUME DIFFERENTIAL OF THE PRE-CONSTRUCTION AND POST CONSTRUCTION SURFACES SHALL BE SUBMITTED TO THE PROJECT MANAGER.

7. CONSTRUCTION WATER IS AVAILABLE ONSITE FROM AN EXISTING FIRE HYDRANT. CONTRACTOR IS REQUIRED TO SECURE A HYDRANT METER FROM THE DEPARTMENT OF PUBLIC UTILITIES. A \$1,500 DEPOSIT IS REQUIRED TO CHECK OUT A HYDRANT METER. COST OF WATER IS \$6.50 PER 1,000 GALLONS.



BAYO COMPOST AREA
EXPANSION

GENERAL NOTES


LOS ALAMOS

INCORPORATED COUNTY
OF LOS ALAMOS
DEPARTMENT OF PUBLIC UTILITIES
6000 CENTRAL AVENUE, SUITE 104
LOS ALAMOS, NEW MEXICO 87544
(505) 662-8150 FAX: (505) 662-8109

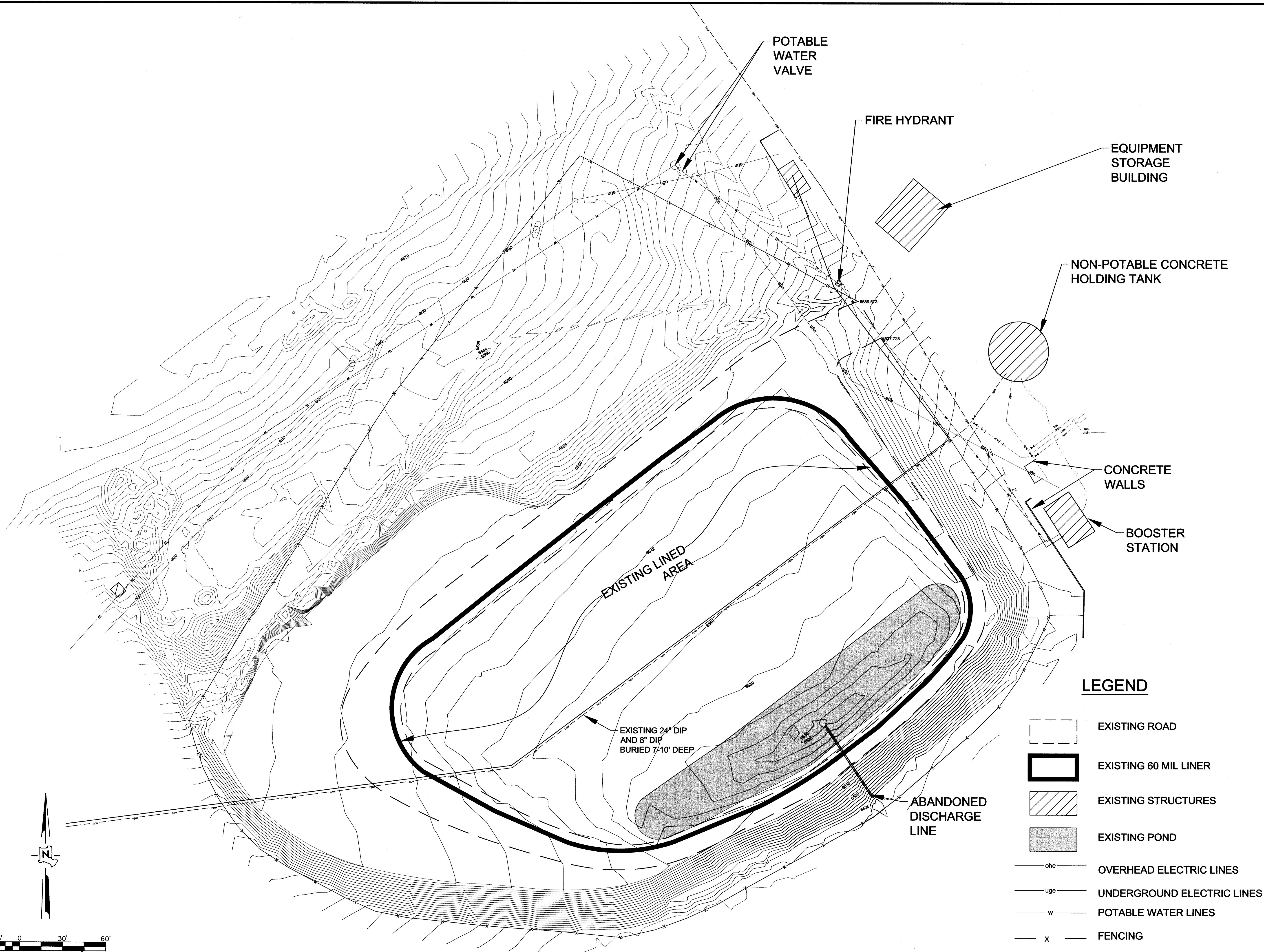
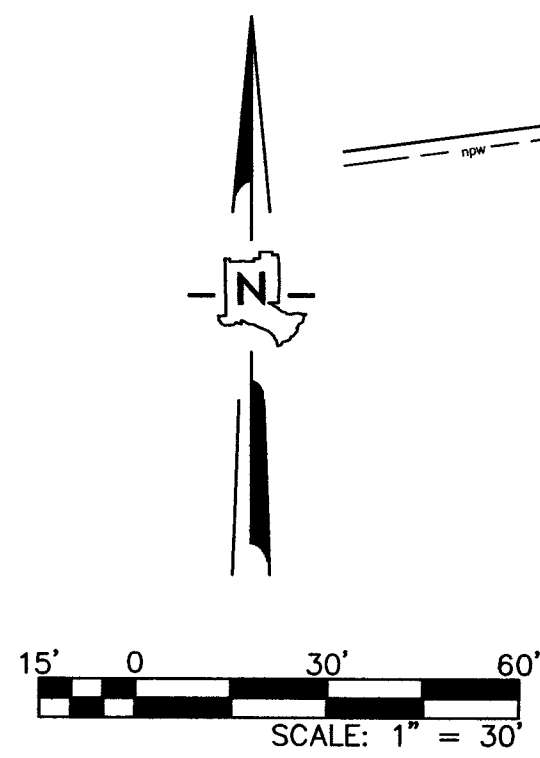
SHEET

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NO.	REVISION DESCRIPTION
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DESIGNED BY:	SH
DRAWN BY:	SH
APPROVED BY:	JJA
DATE:	5/31/2023
SCALE:	N/A

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LEGEND

- EXISTING ROAD
- EXISTING 60 MIL LINER
- EXISTING STRUCTURES
- EXISTING POND
- OVERHEAD ELECTRIC LINES
- UNDERGROUND ELECTRIC LINES
- POTABLE WATER LINES
- FENCING
- NON-POTABLE WATER LINES

REVISION DESCRIPTION	
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DESIGNED BY:	SH
DRAWN BY:	SH
APPROVED BY:	JJA
DATE:	5/31/2023
SCALE:	1" = 30'

**BAYO COMPOST AREA
EXPANSION**

EXISTING CONDITIONS



LOS ALAMOS

**INCORPORATED COUNTY
OF LOS ALAMOS**

DEPARTMENT OF PUBLIC UTILITIES
1000 CENTRAL AVE. SUITE 130
LOS ALAMOS, NEW MEXICO 87544
(505) 882-8150 FAX: (505) 882-8109

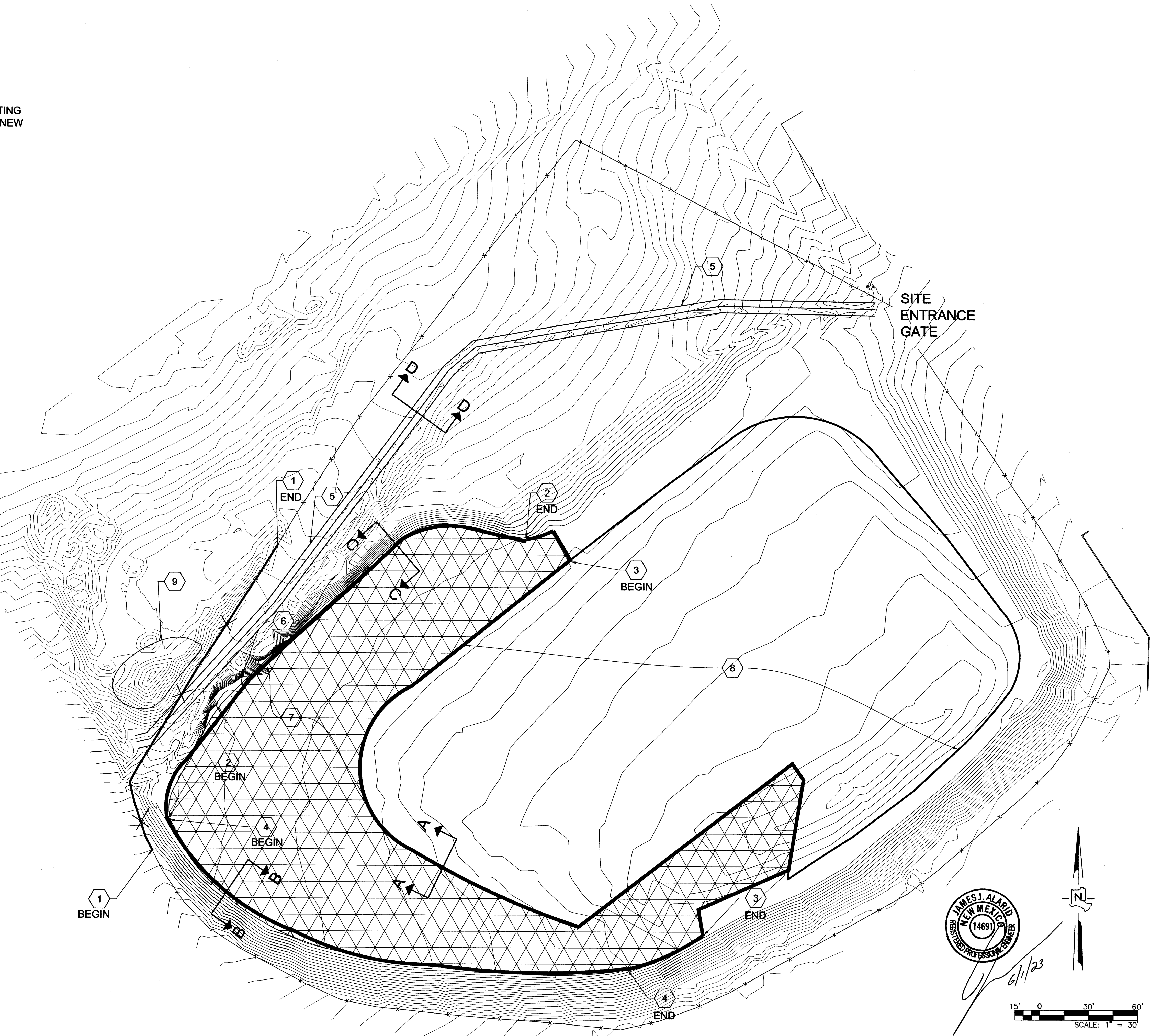
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Drawing File: L:\PROJECTS\IFB 2023 - XX BAYO COMPOST AREA\02_CAD DESIGN\WORKING\SAM APRIL 2023\COMPOSTING SITE IMPROVEMENTS.DWG

KEYED NOTES

- 1 REMOVE AND REPLACE BARBED WIRE FENCE WHERE IN CONFLICT WITH GRADING. CONTRACTOR CAN REUSE EXISTING FENCE AND POST IF NOT DAMAGED. OTHERWISE PROVIDE NEW MATERIALS.
- 2 INSTALL TWO ROWS OF 2' x 2' x 6' SOLID CONCRETE BLOCKS, BACKFILL BLOCKS, AND GRADE SLOPE PER SECTION C-C ON SHEET 5.
- 3 JOIN NEW LINER TO EXISTING LINER PER SECTION A-A ON SHEET 5.
- 4 INSTALL SINGLE ROW OF 2' x 2' x 6' SOLID CONCRETE BLOCKS, BACKFILL BACKSIDE OF BLOCKS AT TOP OF SLOPE PER SECTION B-B ON SHEET 5.
- 5 INSTALL EARTHEN SWALE AND BERM PER SECTION D-D ON SHEET 5
- 6 GRADE SLOPE BACK AT 2H:1V SLOPE. SOME CONCRETE AND CONSTRUCTION DEBRIS MAY EXIST IN THIS AREA WHICH SHALL BE REMOVED AND DISPOSED OF PER THE DIRECTION OF THE PROJECT MANAGER. PAYMENT OF THIS WORK WILL BE PAID BY ALLOWANCE.
- 7 LIMITS OF AREA WHERE NEW 60 MIL HDPE LINER WILL BE INSTALLED PER DETAIL E ON SHEET 5.
- 8 LIMITS OF AREA WHERE 60 MIL HDPE LINER EXISTS. THE CONTRACTOR WILL FURNISH SUITABLE MATERIAL TO BUILD UP SOIL COVER ON THE EXISTING LINER TO MINIMUM THICKNESS OF 12". THE EXISTING LINER SHALL BE PROTECTED. IF THE LINER IS DAMAGED BY CONTRACTOR, THE LINER SHALL BE REPAIRED PER MANUFACTURER'S REQUIREMENTS TO BE AN IMPERVIOUS WATER BARRIER.
- 9 DIRT PILE IN THIS AREA SHALL BE REUSED FOR FILL IN THE NEW COMPOSTING AREA IF SUITABLE. CONSTRUCTION DEBRIS MAY EXIST IN THIS AREA, WHICH SHALL BE REMOVED AND DISPOSED OF PER THE DIRECTION OF THE PROJECT MANAGER. PAYMENT FOR THIS WORK WILL BE PAID BY ALLOWANCE.



REVISION DESCRIPTION	
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DESIGNED BY:	SH
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APPROVED BY:	JJA
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SCALE:	1" = 30'

BAYO COMPOST AREA EXPANSION	COMPOSTING SITE IMPROVEMENTS
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LOS ALAMOS

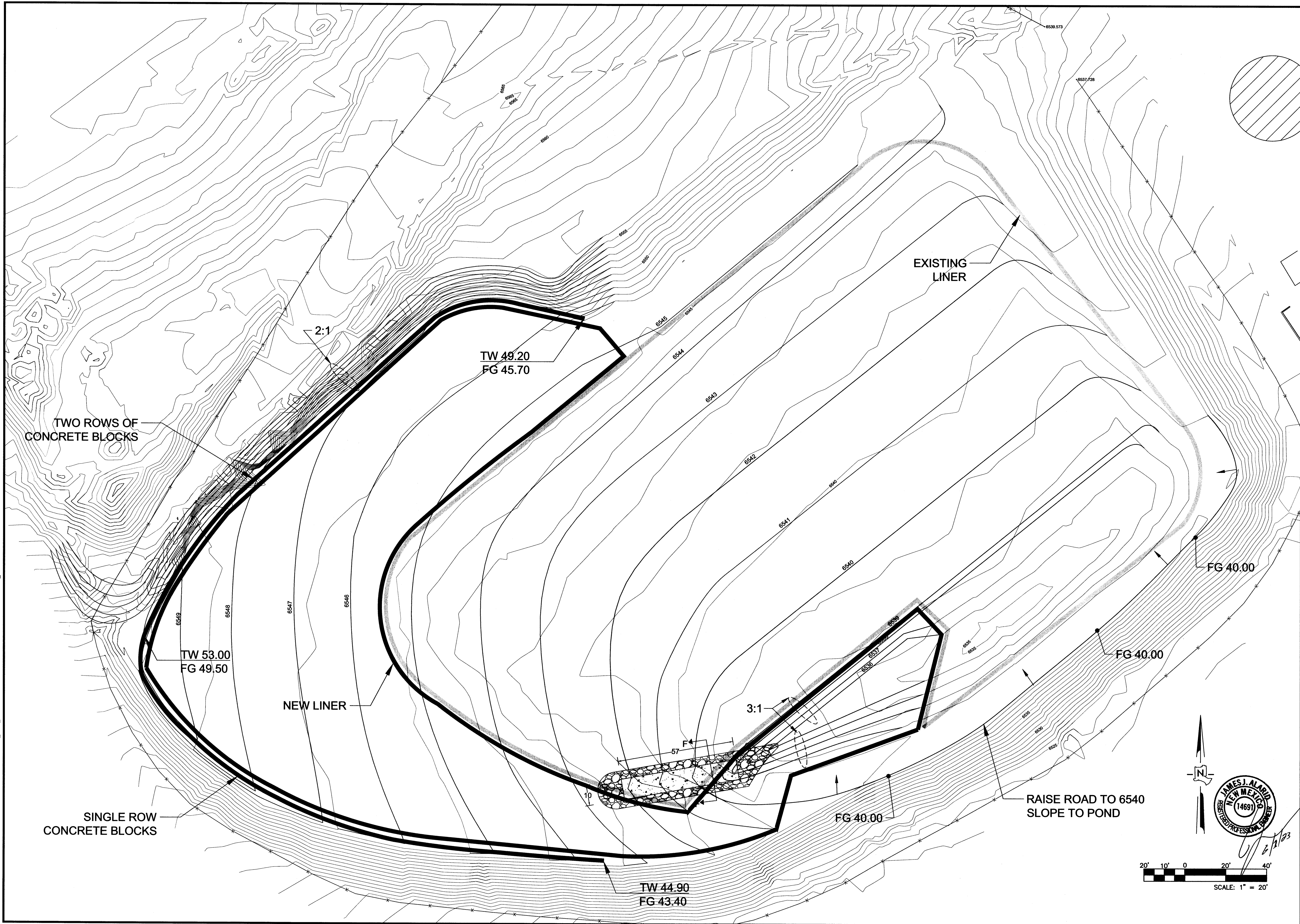
INCORPORATED COUNTY
OF LOS ALAMOS

DEPARTMENT OF PUBLIC UTILITIES
1000 CENTRAL AVE., SUITE 120
LOS ALAMOS, NEW MEXICO 87544

(505) 662-8150 FAX: (505) 662-8109

SHEET
3

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NO.	REVISION DESCRIPTION
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DESIGNED BY:	SH
DRAWN BY:	SH
APPROVED BY:	JJA
DATE:	5/31/2023
SCALE:	1" = 20'

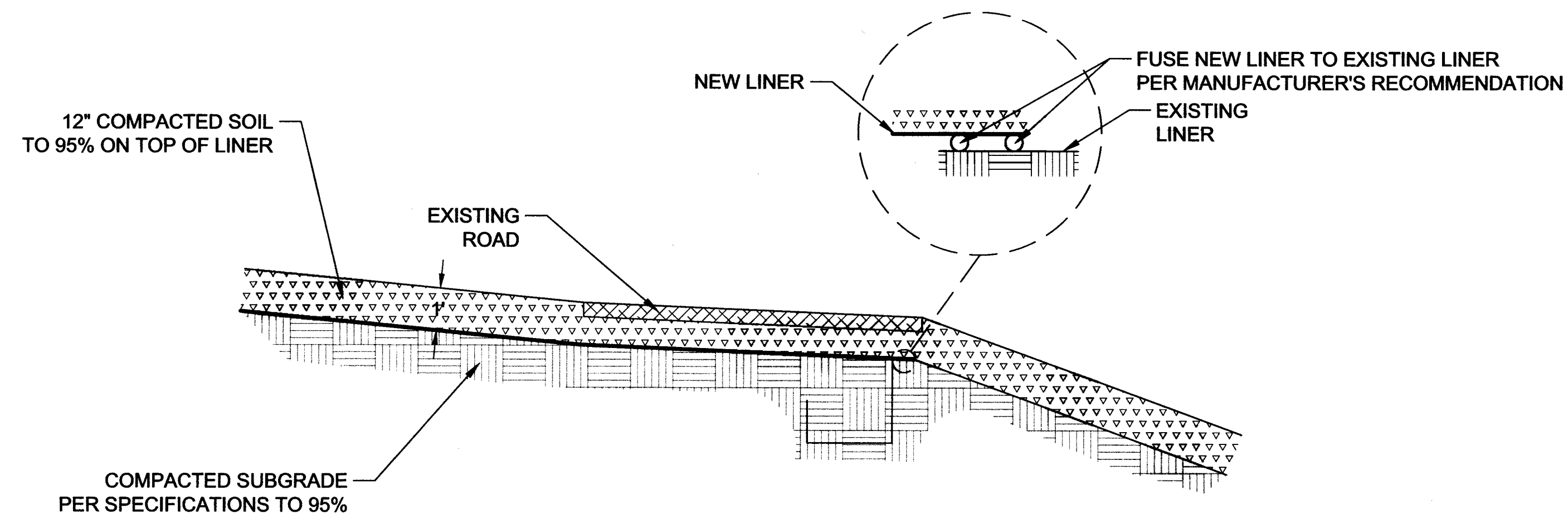
BAYO COMPOST AREA EXPANSION GRADING PLAN
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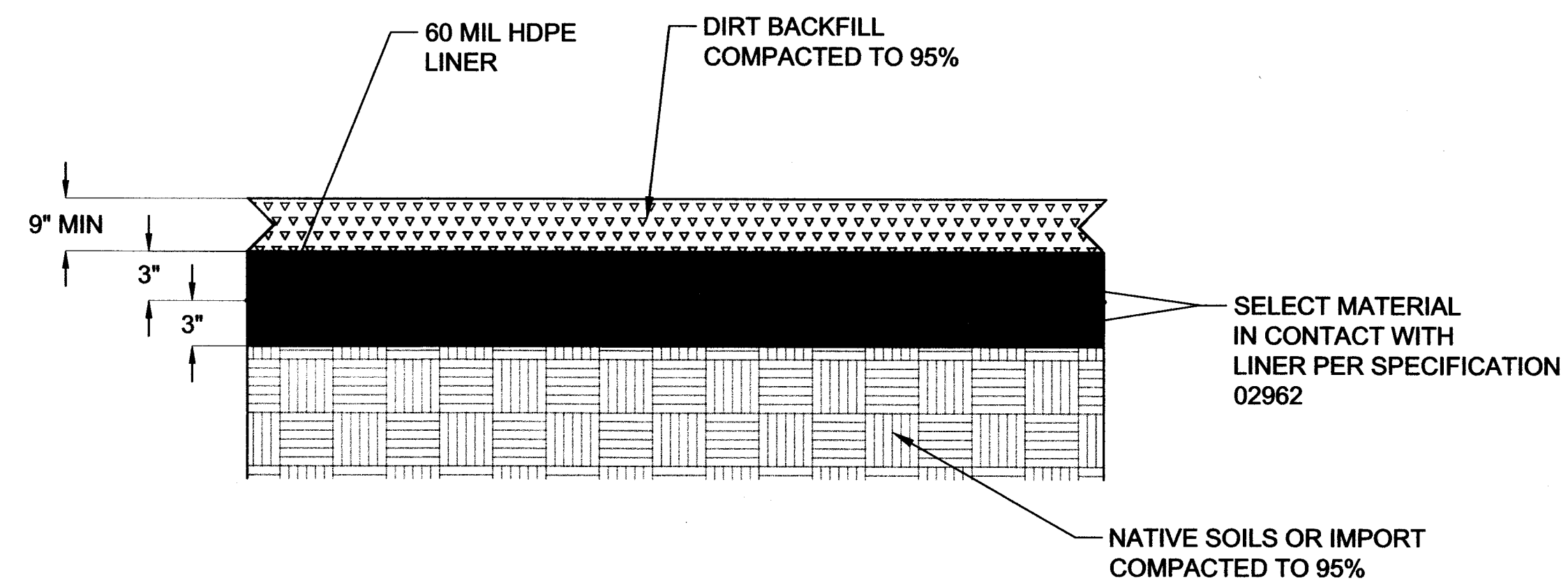
INCORPORATED COUNTY
OF LOS ALAMOS
DEPARTMENT OF PUBLIC UTILITIES
1000 FARM ROAD, SUITE 100
LOS ALAMOS, NEW MEXICO 87544
(505) 662-8150 FAX: (505) 662-8109

SHEET 4

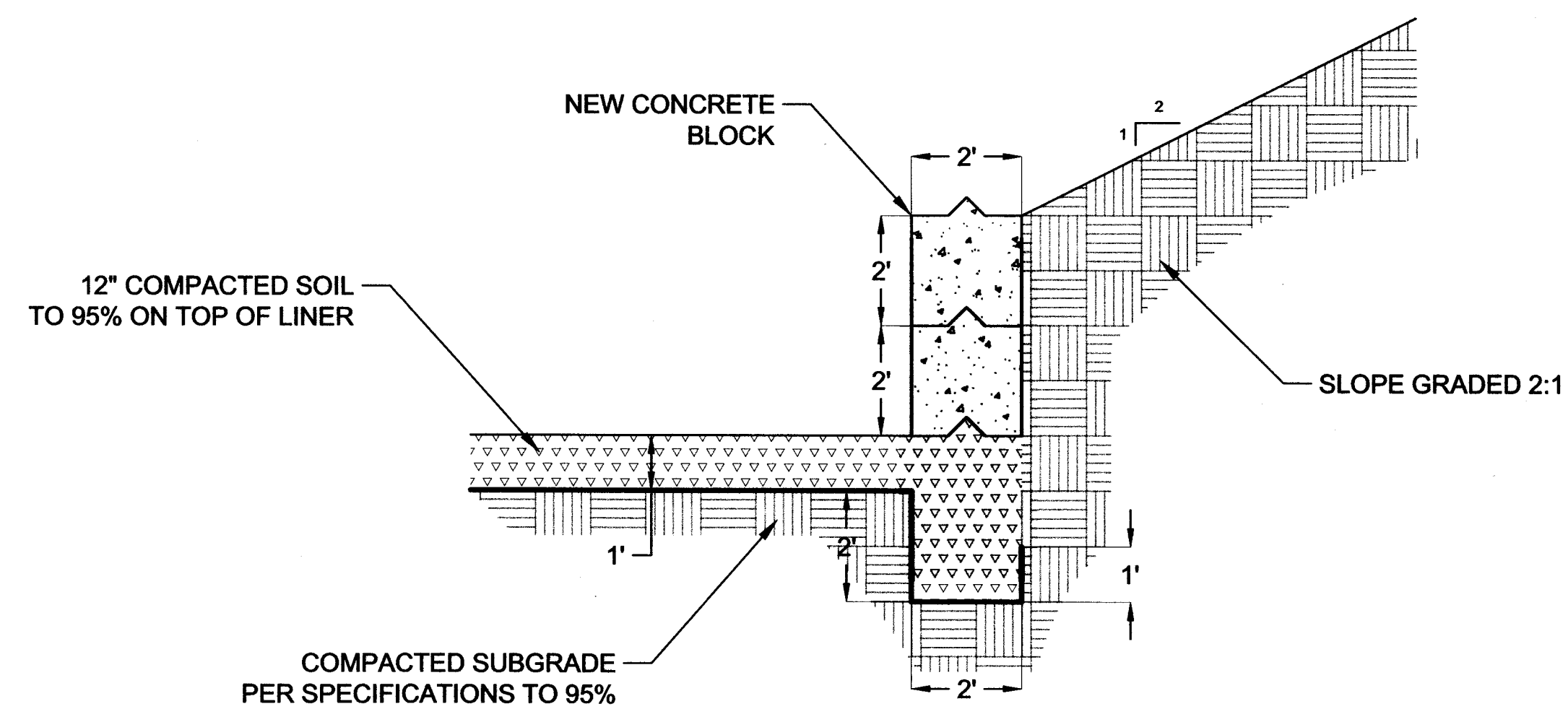
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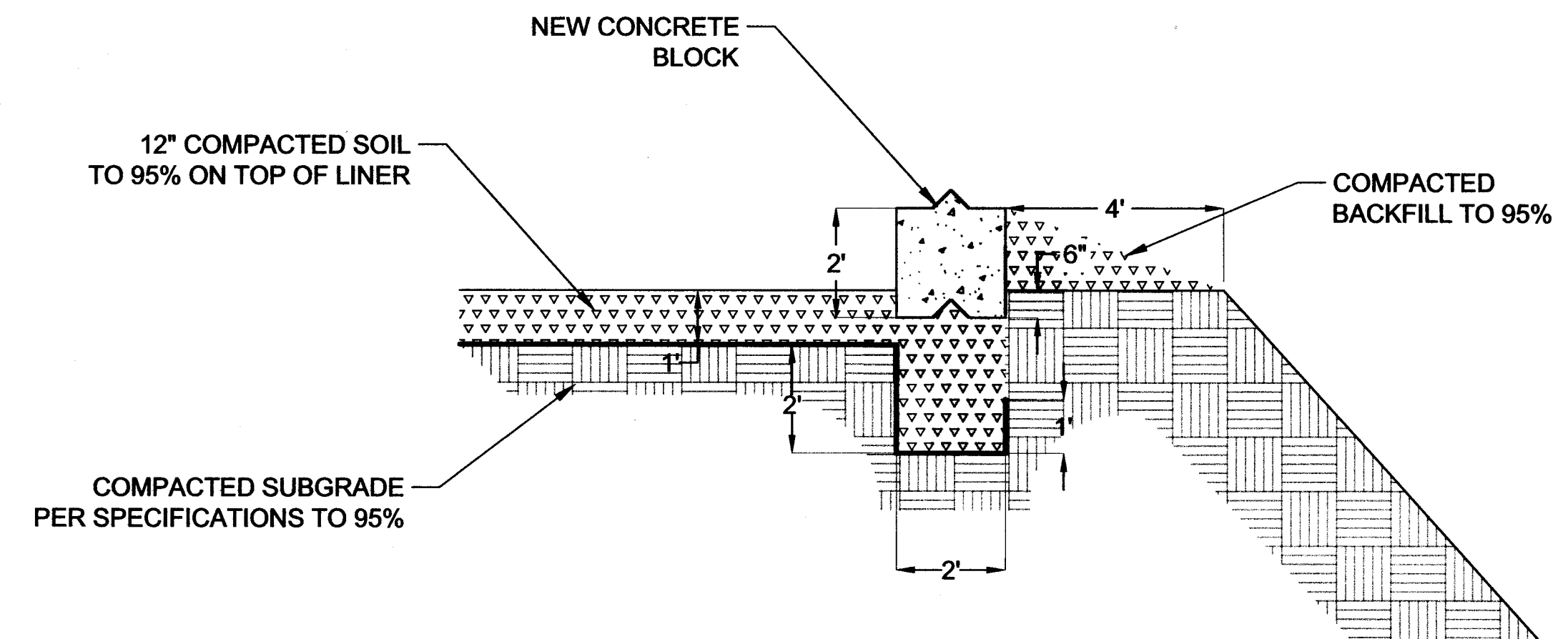
A-A LINER JOINT DETAIL
NOT TO SCALE



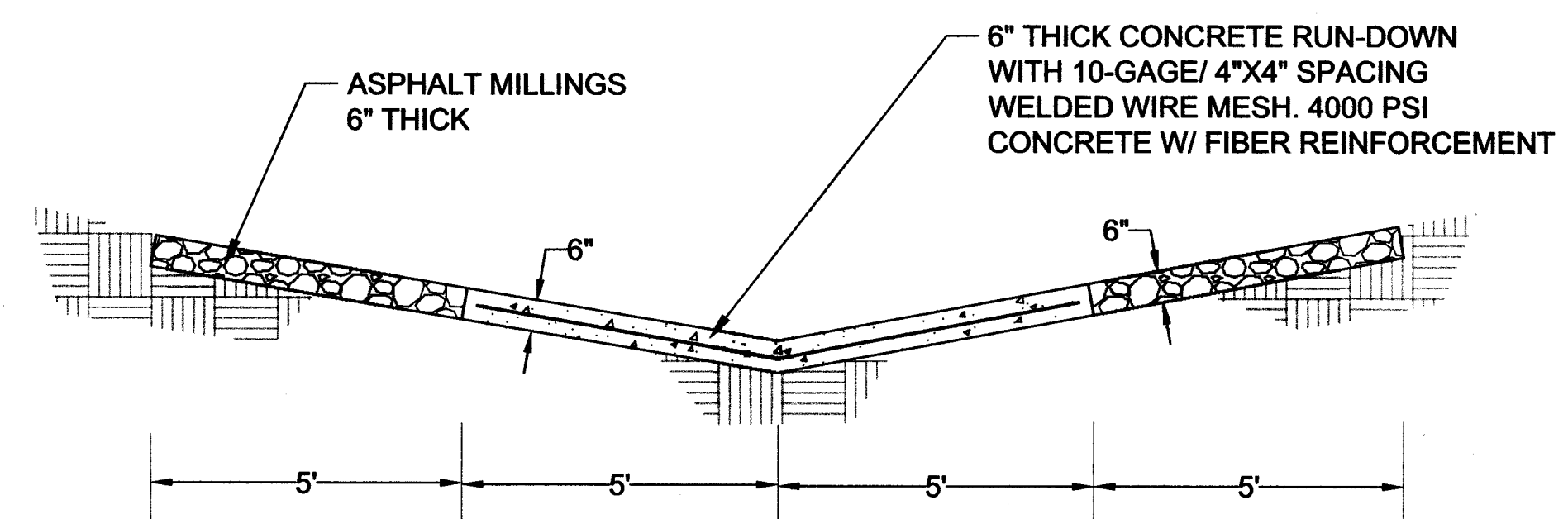
E LINER PLACEMENT DETAIL
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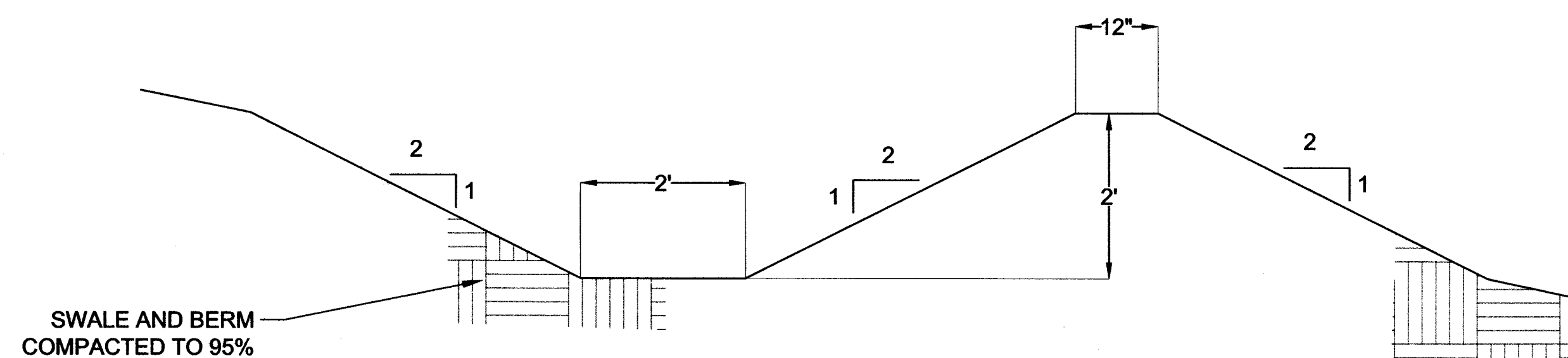
C-C UPSLOPE - LINER ANCHOR AND BLOCK DETAIL
NOT TO SCALE



B-B DOWNSLOPE - LINER ANCHOR AND BLOCK DETAIL
NOT TO SCALE



F-F RUN-DOWN DETAIL
NOT TO SCALE



D-D SWALE AND BERM DETAIL
NOT TO SCALE

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DATE: 5/31/2023
SCALE: NOT TO SCALE

BAYO COMPOST AREA
EXPANSION
DETAILS



LOS ALAMOS

INCORPORATED COUNTY
OF LOS ALAMOS
DEPARTMENT OF PUBLIC UTILITIES
1000 CENTRAL AVE., SUITE 130
LOS ALAMOS, NEW MEXICO 87544
(505) 662-8150 FAX: (505) 662-8109



SHEET

5