



DEVELOPMENT APPLICATION

PROJECT INFORMATION

Title: LAFD Fire Station No. 4

Project Address: 4401 Diamond Drive. Los Alamos, NM 87544

Description:

This application seeks a major site plan amendment for a new fire station to the existing site. The project has been approved through the Comprehensive Plan Amendment, Zone Map Amendment, and Summary Plat.

Check all application types, if applicable:

- | | |
|--|--|
| <input type="checkbox"/> Administrative Deviation ... \$25 | <input type="checkbox"/> Site Plan* ... \$500 plus
\$75 per/Million \$ estimated construction cost |
| <input type="checkbox"/> Administrative Wireless Telecom ... \$250 | Estimated Construction Cost: _____ |
| <input type="checkbox"/> Encroachment Permit ... \$25 | <input checked="" type="checkbox"/> Major Site Plan Amendment* ... \$500 |
| <input type="checkbox"/> Temporary Use Permit ... \$25 | <input type="checkbox"/> Minor Site Plan Amendment ... \$250 |
| <input type="checkbox"/> Comprehensive Plan Adoption &
Amendment*... \$250 | <input type="checkbox"/> Major Zone Map Amendment* ... \$150
<i>No fee if initiated by County Council
or County Manager</i> |
| <input type="checkbox"/> Conditional Use Permit* ... \$300 | <input type="checkbox"/> Minor Zone Map Amendment* ... \$150
<i>No fee if initiated by County Council
or County Manager</i> |
| <input type="checkbox"/> County Landmark or Historic District
Adoption/Amendment* ... \$250 | <input type="checkbox"/> Master Plans* (Major, Minor) ...\$250 |
| <input type="checkbox"/> Development Plan* ... \$500 | <input type="checkbox"/> Text Amendment* ... \$150
<i>No fee if initiated by County Council
or County Manager</i> |
| <input type="checkbox"/> Major Development Plan Amendment* ... \$500 | <input type="checkbox"/> Variance ... \$250
<i>No fee if application is a part of a Site Plan review</i> |
| <input type="checkbox"/> Minor Development Plan Amendment ... \$250 | <input type="checkbox"/> Administrative Wireless Telecommunication
Facility ... \$250 |
| <input type="checkbox"/> Summary Plat... \$100 plus \$25 lot; \$10 / acre for
non-residential | <input type="checkbox"/> Discretionary Wireless Telecommunication
Facility* ... \$500 |
| <input type="checkbox"/> Sketch Plat, Subdivision*... \$250 plus
\$175/lot (1-10 lots)
\$125/lot (11-30 lots)
\$75/lot (30+ lots) | <input type="checkbox"/> Small Wireless Facility ...\$250 |
| <input type="checkbox"/> Preliminary Plat, Subdivision* ... \$250 plus
\$175/lot (1-10 lots)
\$125/lot (11-30 lots)
\$75/lot (30+ lots) | <input type="checkbox"/> Major Historic Demolition* ... \$250 |
| <input type="checkbox"/> Final Plat, Subdivision* ... \$250 plus
\$175/lot (1-10 lots)
\$125/lot (11-30 lots)
\$75/lot (30+ lots) | <input type="checkbox"/> Major Historic Property Alteration
Certification* ... \$250 |
| <input type="checkbox"/> Landscaping Plan ...\$500 | <input type="checkbox"/> Minor Historic Property Alteration Certificate ... \$250 |
| <input type="checkbox"/> Lighting Plan ...\$500 | |

*** Application reviews require a pre-application meeting.**

PROPERTY & OWNER INFORMATION

Property Address:	4401 Diamond Drive <small>Address</small>	Los Alamos <small>City</small>	NM <small>State</small>	87544 <small>ZIP</small>
Zoning District:	INS	Lot Size - Acres / Sq. Ft.: 97,481.00		
Existing Structure(s) Sq. Ft.:	11,816.00	Lot Coverage: 24		
Property Owner(s) Name: Los Alamos County, Anne Laurent - County Manager				
Owner(s) Email: Anne.laurent@lacnm.us				
Owner(s) Phone(s)#: 505.662.8400				
<input type="checkbox"/> Owner's Address same as Property Address				
Owner(s) Address:	1000 Central Ave <small>Address</small>	Los Alamos <small>City</small>	NM <small>State</small>	87544 <small>ZIP</small>

APPLICANT / OWNER'S AGENT INFORMATION

<input checked="" type="checkbox"/> Applicant is same as Owner
Applicant Name:
Applicant Address:
Applicant Email:
Applicant Phone(s)#:

ASSOCIATED APPLICATIONS

Application Type:	
Case Number:	
<i>I hereby certify and affirm, under penalty of perjury, that the information I have provide in this application is true and accurate to the best of my knowledge, information, and belief. [NMSA 1978, §30-25-1]</i>	
Signature: Anne W. Laurent	Date: 7/18/2025

STAFF USE ONLY

Date Received:	Staff:
Case No.#:	Meeting Date:

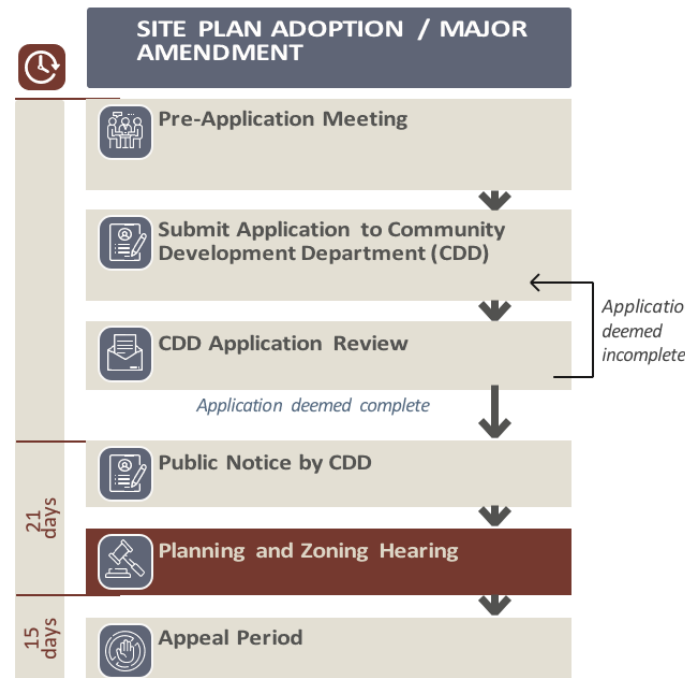
SUBMITTALS

<input type="checkbox"/> Proof of Ownership or Letter of Authorization from Owner	<input type="checkbox"/> Complete Application – Date: _____
<input type="checkbox"/> Items from associated Application Checklist	<input type="checkbox"/> Payment – Accepted upon verification of a complete application - Date: _____

SITE PLAN ADOPTION/ MAJOR AMENDMENT

Applicants for all development application reviews must complete this checklist and submit it with the Development Application. Refer to the referenced code sections for additional information. Contact the Planning Division with questions regarding these requirements: planning@lacnm.us.

PRE-APPLICATION MEETING	
Date Held: 7/10/25	
APPLICATION TYPE	
<input type="checkbox"/> Site Plan Adoption <input checked="" type="checkbox"/> Major Amendment to an approved Site Plan	
PLANS	
Scaled plans at a minimum of 1" = 100' that illustrates the following:	
<input checked="" type="checkbox"/> <u>Site Plan</u> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Graphic Scale and North Arrow <input checked="" type="checkbox"/> Property Lines according to recorded survey <input checked="" type="checkbox"/> Existing and proposed structures <input checked="" type="checkbox"/> Existing and proposed easements <input checked="" type="checkbox"/> Existing and proposed setbacks <input checked="" type="checkbox"/> Existing and proposed utility lines <input checked="" type="checkbox"/> Existing and proposed fencing <input checked="" type="checkbox"/> Existing and proposed signage 	
<input checked="" type="checkbox"/> <u>Parking Plan</u> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Access and parking related to site <input checked="" type="checkbox"/> Parking analysis based on proposed use <input checked="" type="checkbox"/> Width of aisle(s) <input checked="" type="checkbox"/> Parking stall dimensions 	
<input checked="" type="checkbox"/> <u>Lighting Plan</u> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Proposed lighting that notes the Correlated Color Temperature, Color Rendering Index, Lumens and all other attributes related to lighting to show compliance with Ch. 16, Division 6: Outdoor Lighting. 	
<input checked="" type="checkbox"/> <u>Landscaping Plan</u> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Existing plant material, amount and species & size <input checked="" type="checkbox"/> Proposed plant material, amount and species & size 	
ELEVATIONS	
Elevations drawing(s) at a minimum scale of 1/8" = 1' that indicate:	
<input checked="" type="checkbox"/> Height (above existing grade) of all four sides <input checked="" type="checkbox"/> Materials and colors	



See Reverse.

LOT COVERAGE

Existing (%): 11,816 sf / 97,481 sf = 12%

Proposed (%): 23,664 sf / 97,481 sf = 24%

IMPACT REPORTS 16-72 (e)

May be required per Table 50 of Development Code:

- ☒ Grading and Erosion Control Plans
- ☐ Stormwater Drainage Report
- ☐ Traffic Generation Report
- ☐ Utility Capacity Analysis Report
- ☐ Soils Report

ADDITIONAL SUBMITTALS

Based on staff's review and Interdepartmental Review Committee's recommendation – additional submittals may be required and will be communicated to the applicant by the assigned Case Manager.

DECISION CRITERIA 16-74-(i)(4)

a. The Site Plan substantially conforms to the intent and policies of the Comprehensive Plan and other adopted County policies and plans. Explain.

This site plan substantially conforms to the intent and policies of the Comprehensive Plan and other adopted County policies by providing emergency service upgrades to support the current and future growth of the community. Furthermore, it supports the County's Strategic goals of Environmental Stewardship, Operational Excellence and Quality of Life.

Approving this Site Plan would allow for a Fire Station No. 4 replacement, thus adhering to the Council's Strategic Plan goals by improving public safety, creating effective, efficient, reliable services, and complies with the County's Climate Action Plan by construction a LEED Silver facility and reduction in greenhouse gases.

- ☐ Staff finds that this criterion has been met
- ☐ Staff finds that this criterion has not been met – more information is needed

b. If the subject property is within an approved Master Plan, the Site Plan is in conformance with any relevant standards in the Master Plan. Explain.

Not Applicable

- ☐ Staff finds that this criterion has been met
- ☐ Staff finds that this criterion has not been met – more information is needed

- c. If the subject property is within an approved PD zone district, the Site Plan is consistent with any applicable terms and conditions in any previously approved PD zoning covering the subject property and any related development agreements and/or regulations. Explain.

Not Applicable

- ☐ Staff finds that this criterion has been met
- ☐ Staff finds that this criterion has not been met – more information is needed

- d. The Site Plan is in conformance with all applicable provisions of this Code and other adopted County regulations. Explain.

This site plan, within INS (Institutional) zoning conforms to all applicable provisions of the Municipal code and other county regulations as detailed within the submitted site plan documents.

The existing fire station needs to remain fully operational prior to construction completion and occupancy of the new building. The design of the proposed site plan carefully considers the required lot coverage, setback, building height, and various other elements.

- ☐ Staff finds that this criterion has been met
- ☐ Staff finds that this criterion has not been met – more information is needed

- e. The County's existing public infrastructure and services, including but not limited to water, sanitary sewer, electricity, gas, storm sewer, streets, trail and sidewalks have adequate capacity to serve the proposed development, and any burdens on those systems have been mitigated in compliance with the County's construction standards to the maximum extent practicable. Explain.

This new Fire Station will be replacing the existing Fire Station in the same general area. Utilities will need to be upgraded and modified. During the pre-application meeting, the design team was assured that the county has adequate capacity for these utility upgrades. The existing drainage along the south property line has been re-aligned to the western part of the property, the County engineer has reviewed the proposed design and has no concerns regarding this alignment.

- ☐ Staff finds that this criterion has been met
- ☐ Staff finds that this criterion has not been met – more information is needed

DECISION CRITERIA 16-74-(i)(4)

- f. The Site Plan mitigates any significant adverse impacts to properties within the vicinity to the maximum extent practicable. Explain.

This site plan was designed to minimize disruption to adjacent open space through the use of retaining walls, Building placement and tree mitigation. The exterior was designed to compliment the surrounding area Through the use of familiar and durable building materials and an attempt to minimize the height and impact Of the new building.

☐ Staff finds that this criterion has been met

☐ Staff finds that this criterion has not been met – more information is needed

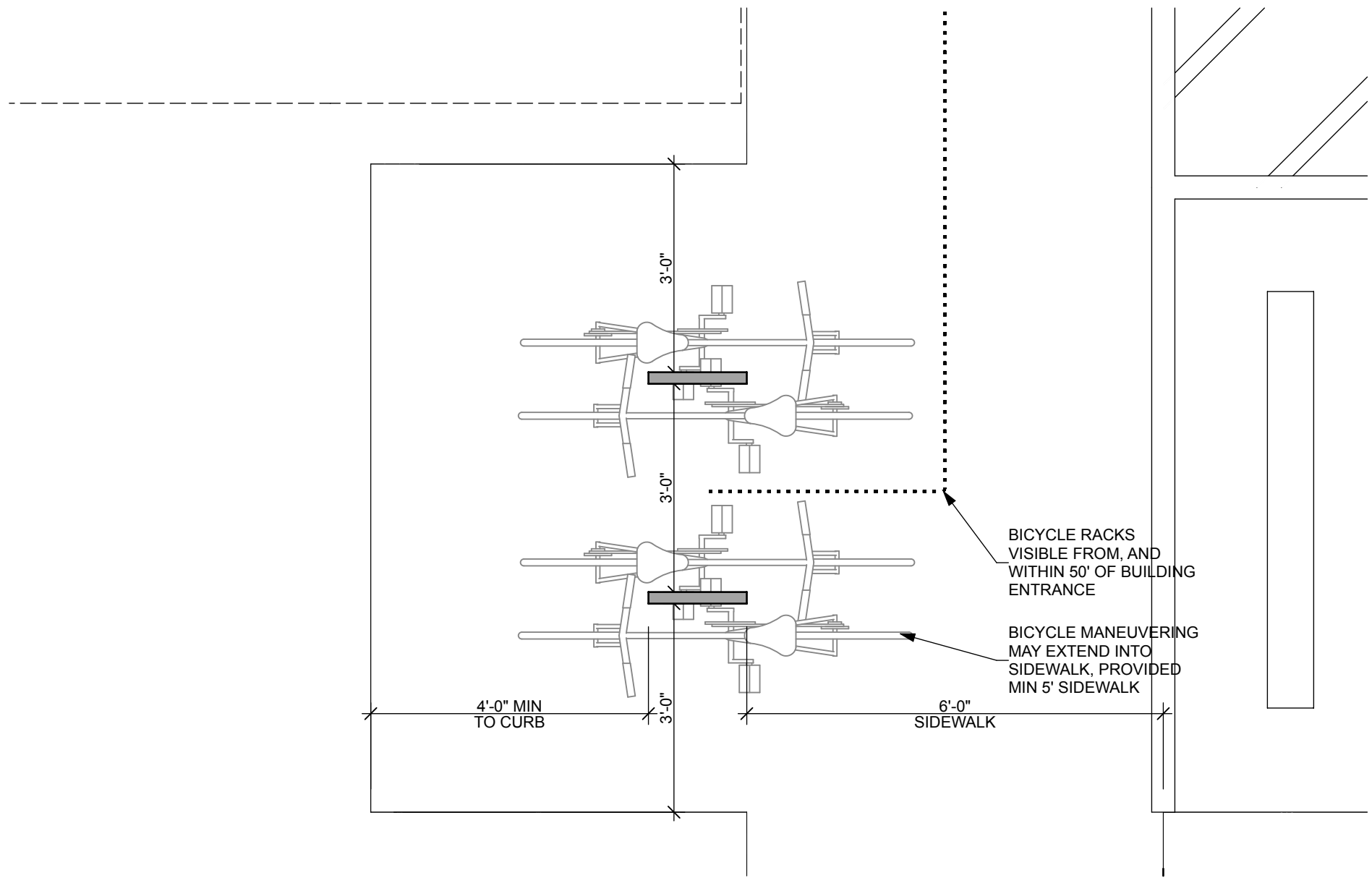
- g. Provisions shall be made to serve the development with tot lots and/or neighborhood parks in accordance with the Comprehensive Plan. A fee may be paid as approved by County Council to accomplish the purpose of the Comprehensive Plan in lieu of the development of tot lots or neighborhood parks. Explain.

The proposed would replace an existing use on the same lot. Extensive effort has been made to maximize open space and maintain low lot coverage upon the completion of the project. Upon demolition of the existing fire station building, that area is proposed to be converted to a community park and open space.

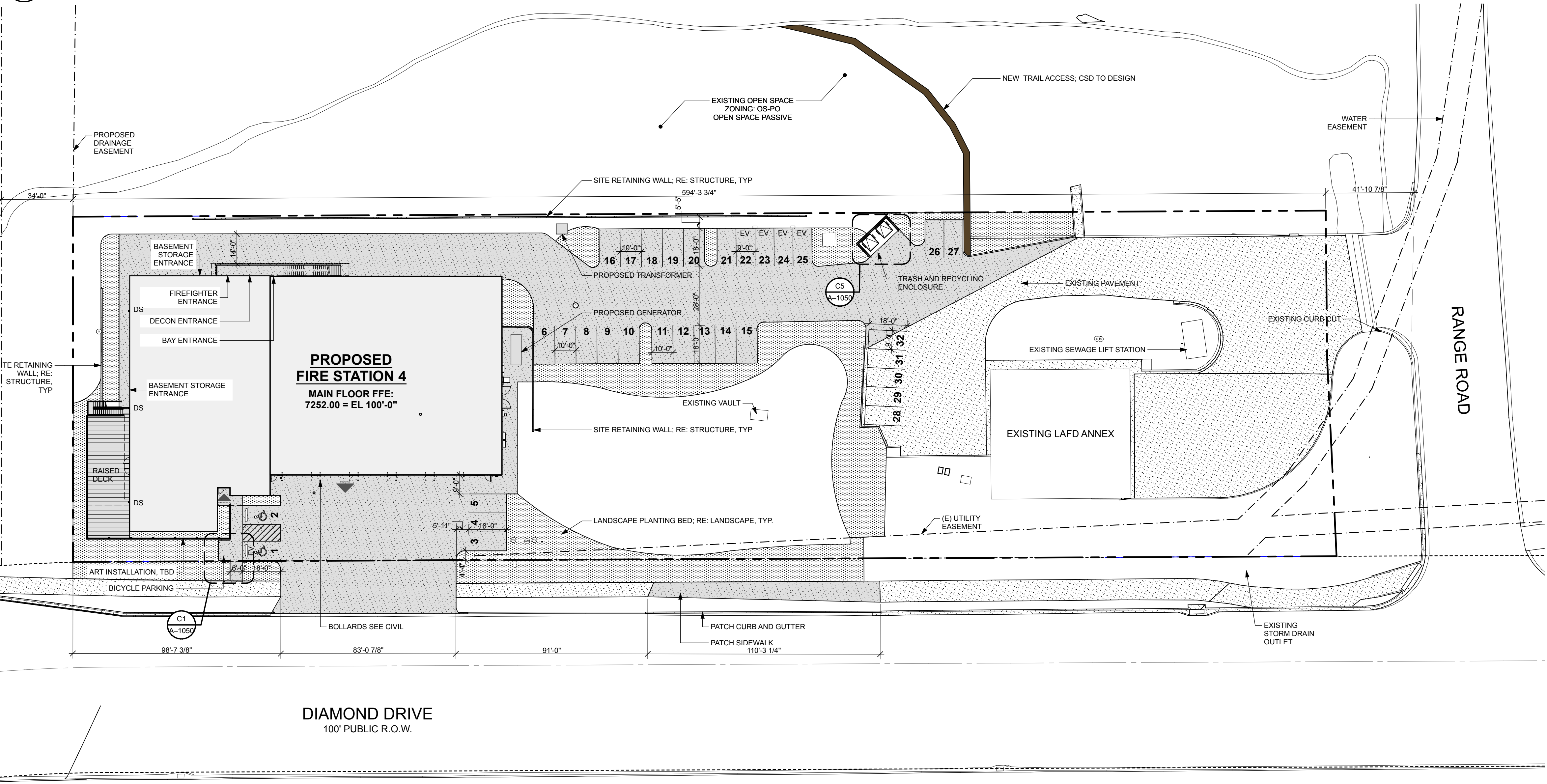
☐ Staff finds that this criterion has been met

☐ Staff finds that this criterion has not been met – more information is needed

Attach additional sheets, if needed.



C1 BICYCLE RACK PLAN
SCALE: 1/2" = 1'-0"



A1 Architectural Site Plan
SCALE: 1" = 30'

PARKING CALCULATIONS

OFF-STREET PARKING STANDARDS - LOS ALAMOS COUNTY		
MOST SIMILAR PROPOSED USE: DORMITORY - 1 SPACE / PER BED + 2 SPACES FOR OWNER / MANAGER. FIRE STATION IS DESIGNED SOLELY FOR A (MAX) 10 PERSON CREW. WAREHOUSE - 1 SPACE PER 1,000SF OF STORAGE AREA		
REQUIRED PARKING	REQUIRED	PROVIDED
DORMITORY 1 PER BED @ 10 BEDS =	10	
OWNER / MANAGER 2 REQUIRED =	2	
STORAGE 1/1000 SF @ 7,110 SF =	8	
VEHICLE STORAGE (EXISTING ANNEX)		
1 PER 1,000SF OFFICE =	1	
TOTAL	21	32
PARKING TYPES (INCLUDED IN THE TOTALS ABOVE)		
ACCESSIBLE PARKING SPACES	2 (1 VAN)	2 (1 VAN)
EV CHARGERS	0	5 SPACES
ADDITIONAL PARKING REQUIREMENTS		
BICYCLE	4	4
LOADING SPACES	0	0
NOTE: STANDARD SPACES CAN ENCROACH 2' INTO A LANDSCAPE STRIP OR PEDESTRIAN WALKWAY, SO LONG AS THE WALKWAY IS NOT REDUCED TO LESS THAN 4'.		

ZONING INFORMATION

LOS ALAMOS, NEW MEXICO ZONING CODE CHAPTER 16: DEVELOPMENT CODE	
LOT AREA:	97,464 SF
BUILDING FOOTPRINT:	19,600 SF (PROPOSED) 4,064 SF (EXISTING TO REMAIN)
TOTAL LOT COVERAGE:	23,664 SF
LOT COVERAGE:	24% (70% MAX)
ZONING:	INS INSTITUTIONAL
NO SETBACK REQUIREMENTS	
BUILDING HEIGHT:	41'-2" (50' MAX)

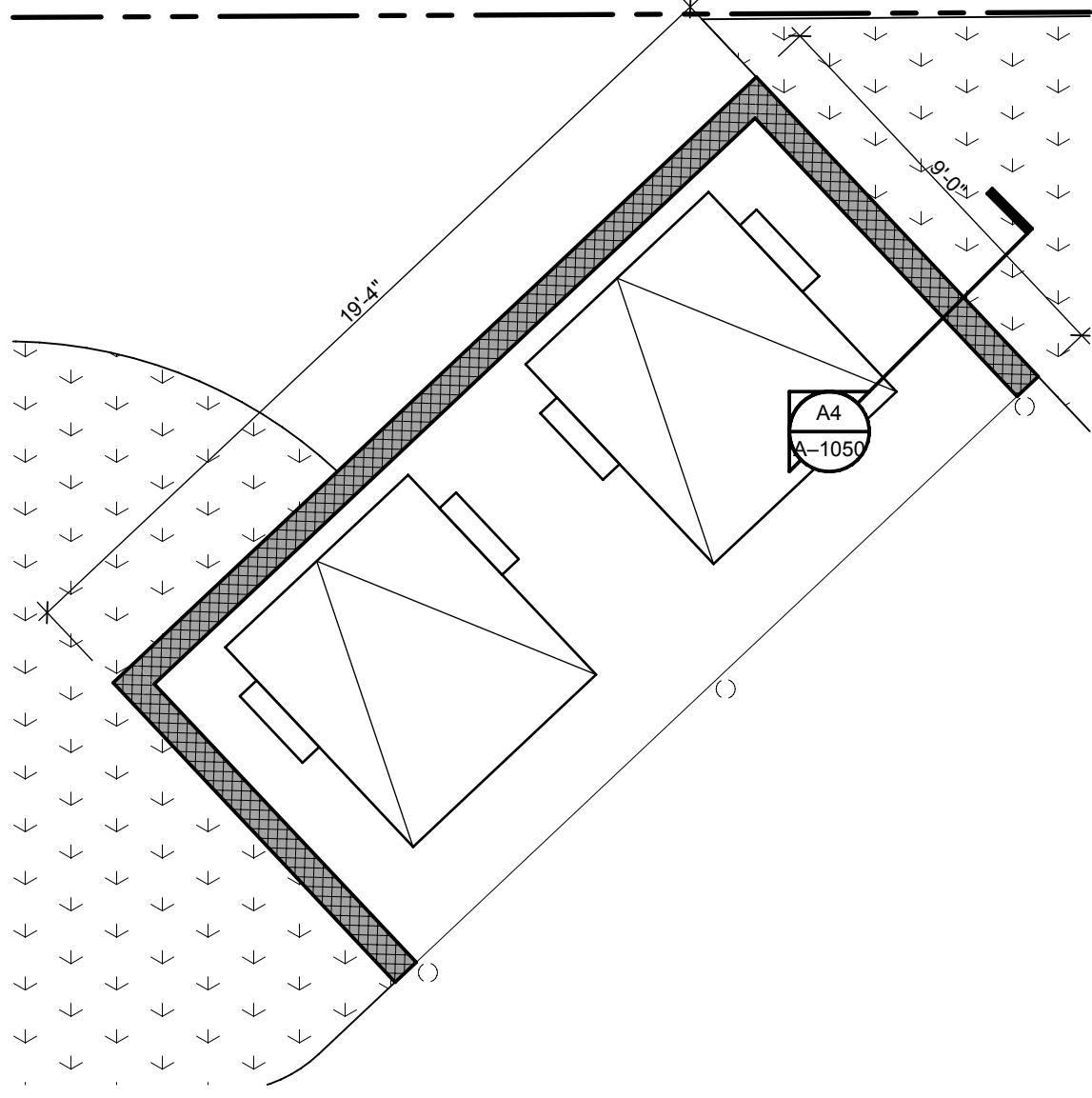
NOT FOR
CONSTRUCTION

vega

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denver, co 80223

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vegaarchitecture.com

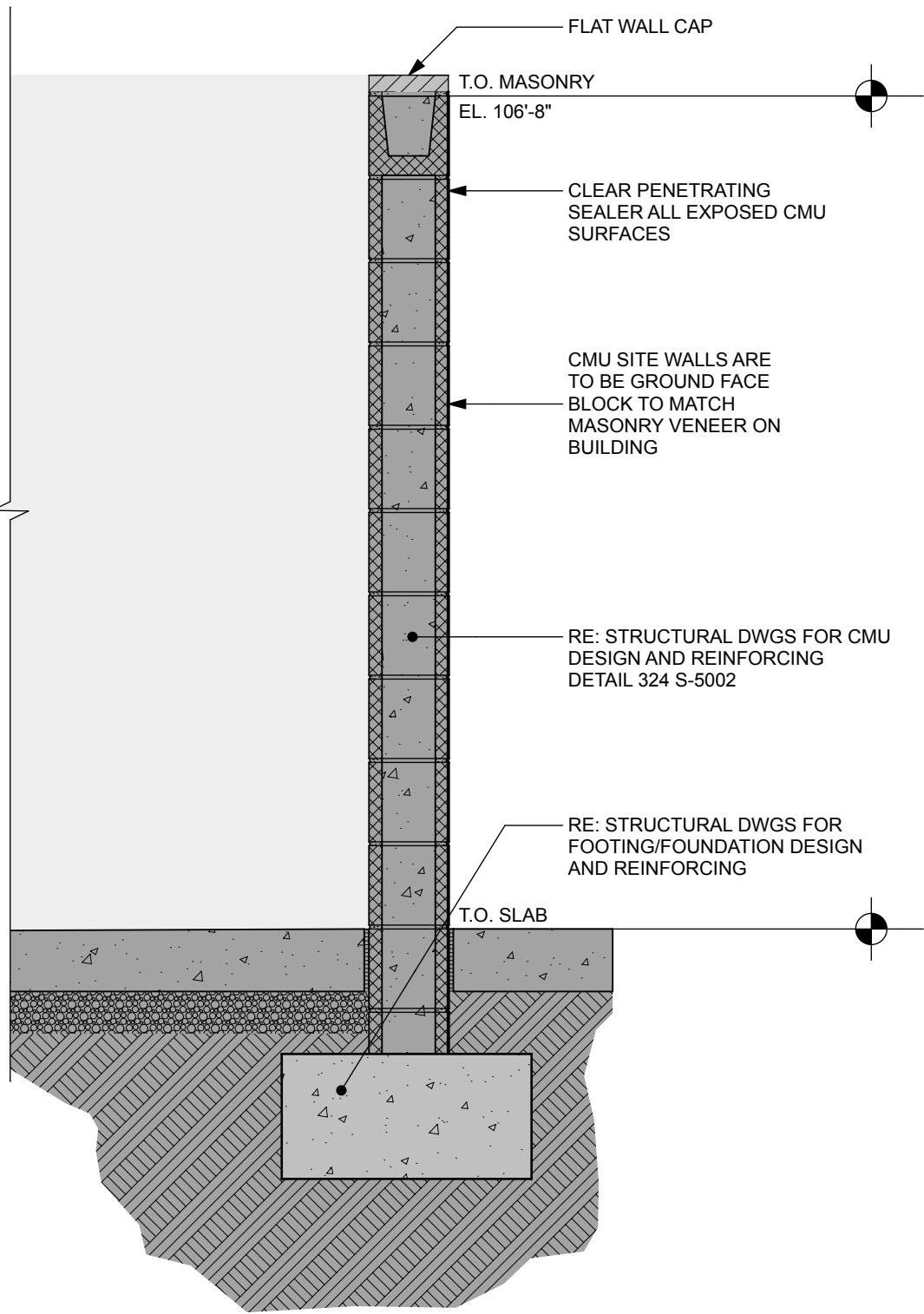
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C5 TRASH ENCLOSURE PLAN
SCALE: 1/4" = 1'-0"

FIRE STATION 4
4401 DIAMOND DRIVE
LOS ALAMOS, NM 87545

P24.0730 LAC.FS4



A4 TRASH ENCLOSURE WALL
SCALE: 3/4" = 1'-0"

Issue
100% SCHEMATIC DESIGN
04.24.2025
100% CONCEPTUAL DESIGN
02.28.2025
SITE PLAN SUBMITTAL
08.06.2025

SITE PLAN -
ARCHITECTURAL SITE
PLAN

A-1050

EXTERIOR FINISH LEGEND

	CONCRETE COLOR: LIGHT GREY
	ROMAN BRICK COLOR: DOVE
	METAL PANEL CLADDING COLOR: DARK BRONZE

NOT FOR
CONSTRUCTION

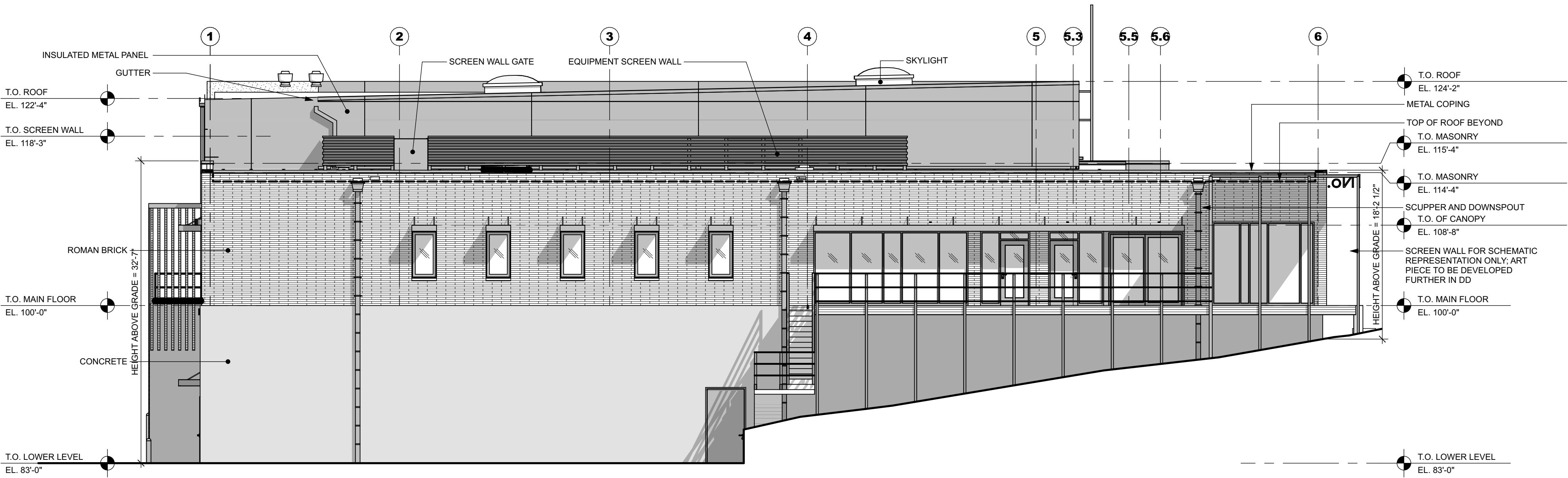
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**FIRE
STATION 4**
4401 DIAMOND DRIVE
LOS ALAMOS, NM 87545



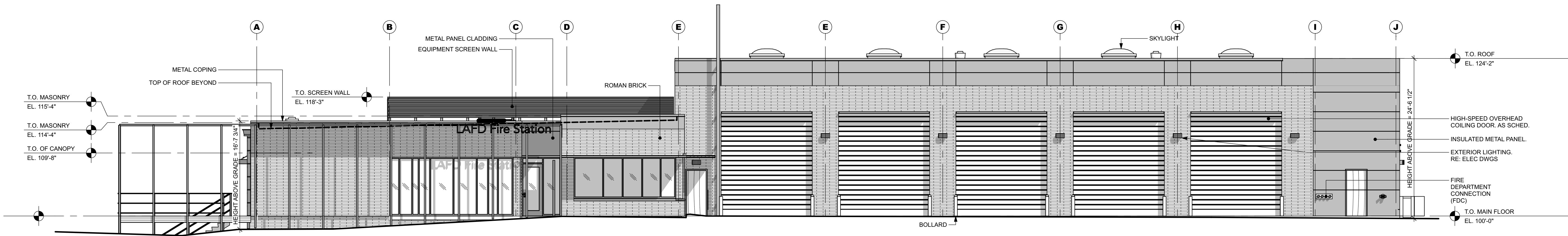
C1 WEST EXTERIOR ELEVATION
SCALE: 1/8" = 1'-0"

P24.0730 LAC.FS4

Issue

100% SCHEMATIC DESIGN
04.24.2025

100% CONCEPTUAL DESIGN
02.28.2025



A1 SOUTH EXTERIOR ELEVATION
SCALE: 1/8" = 1'-0"

SITE PLAN - EXTERIOR
ELEVATIONS

A-2000

EXTERIOR FINISH LEGEND

	CONCRETE COLOR: LIGHT GREY
	ROMAN BRICK COLOR: DOVE
	METAL PANEL CLADDING COLOR: DARK BRONZE

NOT FOR
CONSTRUCTION

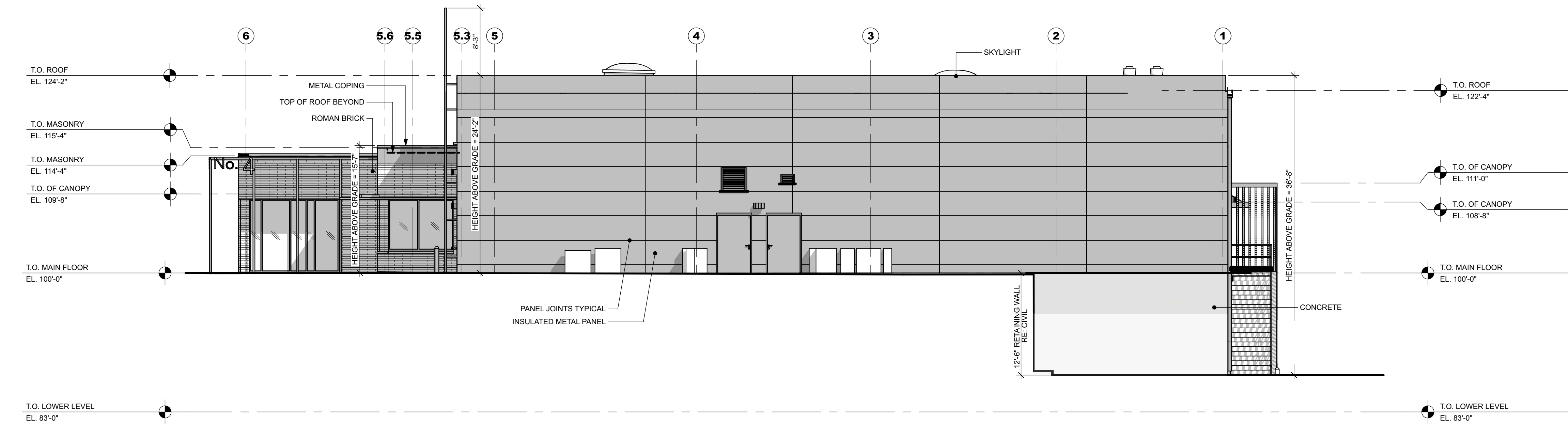
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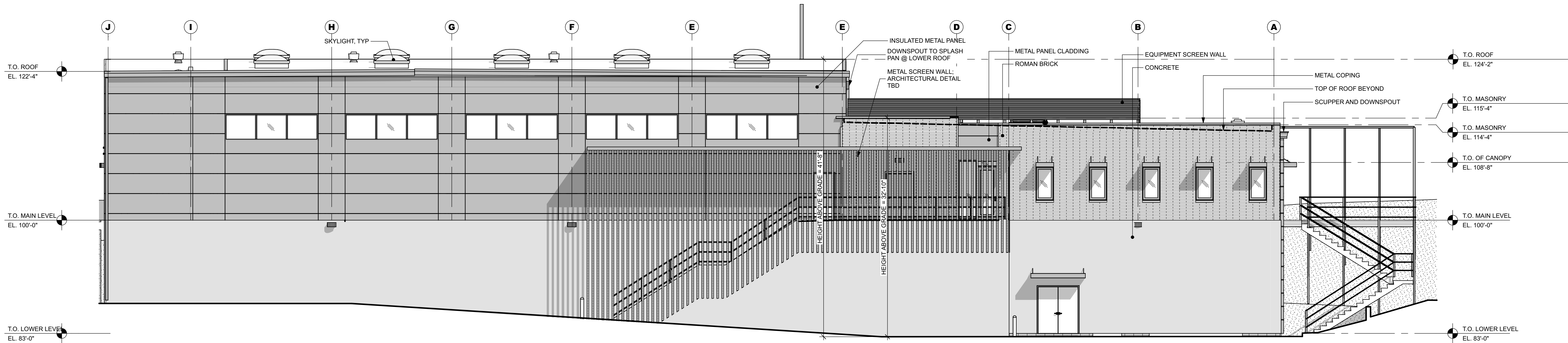
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FIRE
STATION 4
4401 DIAMOND DRIVE
LOS ALAMOS, NM 87545



C1 EAST EXTERIOR ELEVATION
SCALE: 1/8" = 1'-0"

P24.0730 LAC.FS4



A1 NORTH EXTERIOR ELEVATION
SCALE: 1/8" = 1'-0"

Issue

100% SCHEMATIC DESIGN
04.24.2025

100% CONCEPTUAL DESIGN
02.28.2025

SITE PLAN SUBMITTAL
08.06.2025

SITE PLAN - EXTERIOR
ELEVATIONS

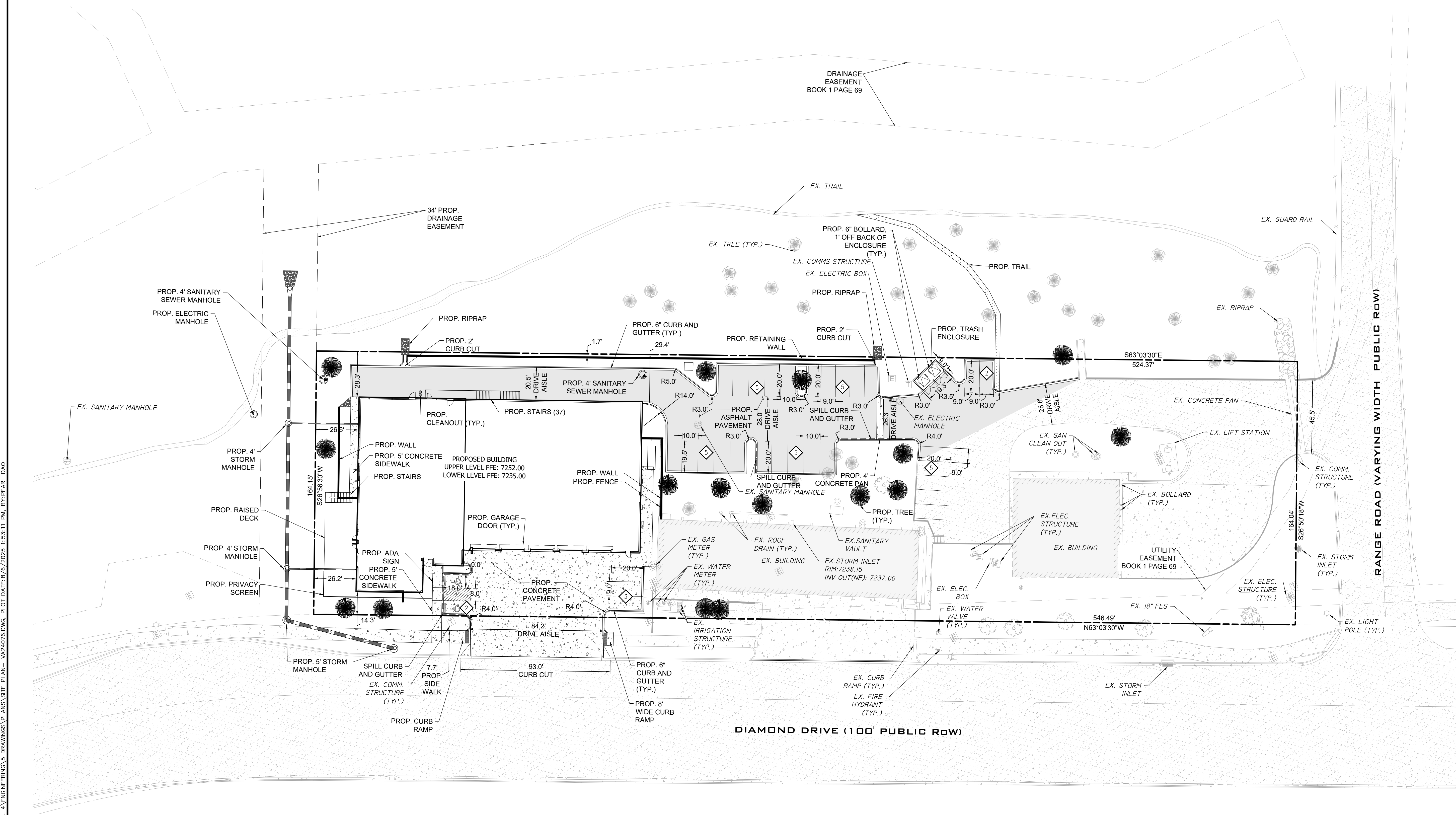
A-2001



RENDERING LOOKING NORTH AT MAIN ENTRY

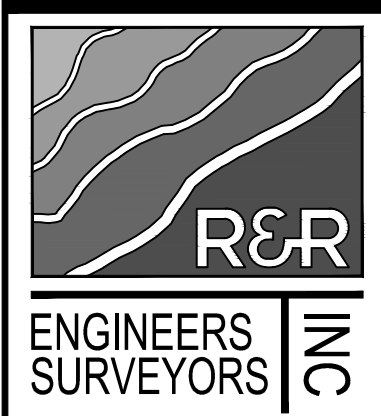
CONSTRUCTION DOCUMENTS FOR
LOS ALAMOS FIRE STATION NO. 4

LOS ALAMOS, NM 87544
SITUATED NEAR THE INTERSECTION OF SAN ILDEFONSO ROAD,
N. MESA ROAD, AND DIAMOND DRIVE, LOS ALAMOS, NM 87544



PATH:\V24076 LOS ALAMOS FIRE STATION NO. 4\ENGINEERING\5 DRAWINGS\PLANS\SITE PLAN- V24076.DWG, PLOT DATE: 8/6/2025 1:53:11 PM, BY: PEARL DAO

NO.	REVISION	BY	DATE



R&R ENGINEERS-SURVEYORS, INC.
1635 WEST 13TH AVENUE, SUITE 310
DENVER, COLORADO 80204
PHONE: 303-753-6730

WWW.RRENGINEERS.COM

FIRE STATION NO. 4
SITE ADDRESS: LOS ALAMOS FIRE STATION NO. 4
LOS ALAMOS, NM 87544
PREPARED FOR: LOS ALAMOS COUNTY
1000 OPPENHEIMER DRIVE
LAS ALAMOS NM 87544

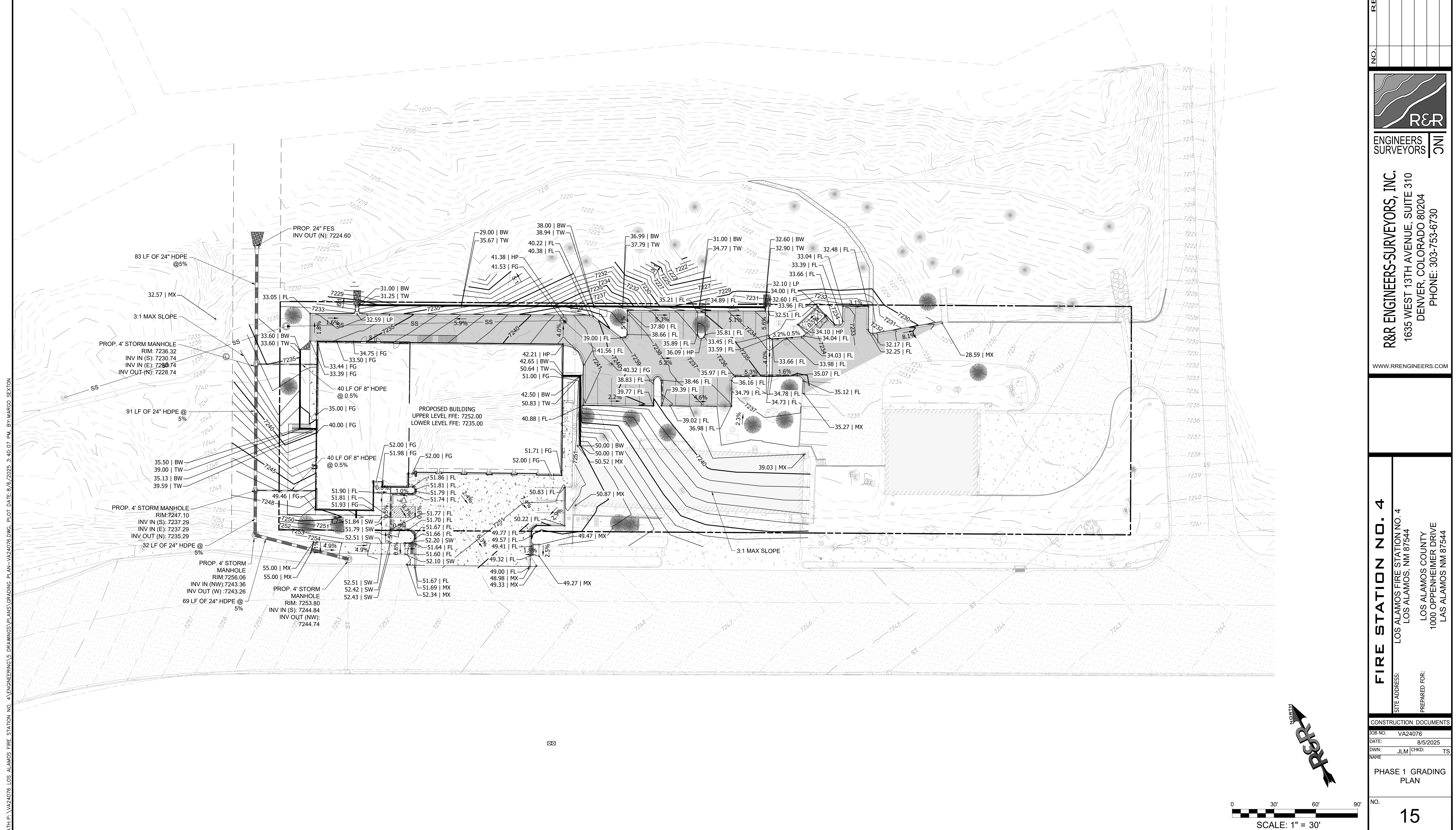
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JOB NO. VA24076
DATE: 8/5/2025
DWN: JLM CHKD: TS
NAME

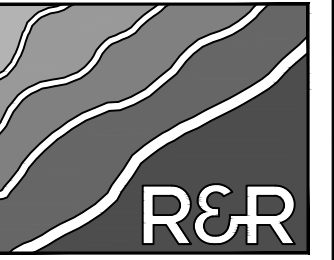
PHASE 1 SITE PLAN

NO. 13

LOS ALAMOS, NM 87544
SITUATED NEAR THE INTERSECTION OF SAN ILDEFONSO ROAD,
N. MESA ROAD, AND DIAMOND DRIVE, LOS ALAMOS, NM 87544

SITUATED NEAR THE INTERSECTION OF SAN ILDEFONSO ROAD,
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LESS: LOS ALAMOS FIRE STATION NO. 4

LOS ALAMOS FIRE STATION NO. 4
LOS ALAMOS, NM 87544

LOS ALAMOS COUNTY
11000 OPPENHEIMER DRIVE
LAS ALAMOS NM 87544

CONSTRUCTION DOCUMENTS

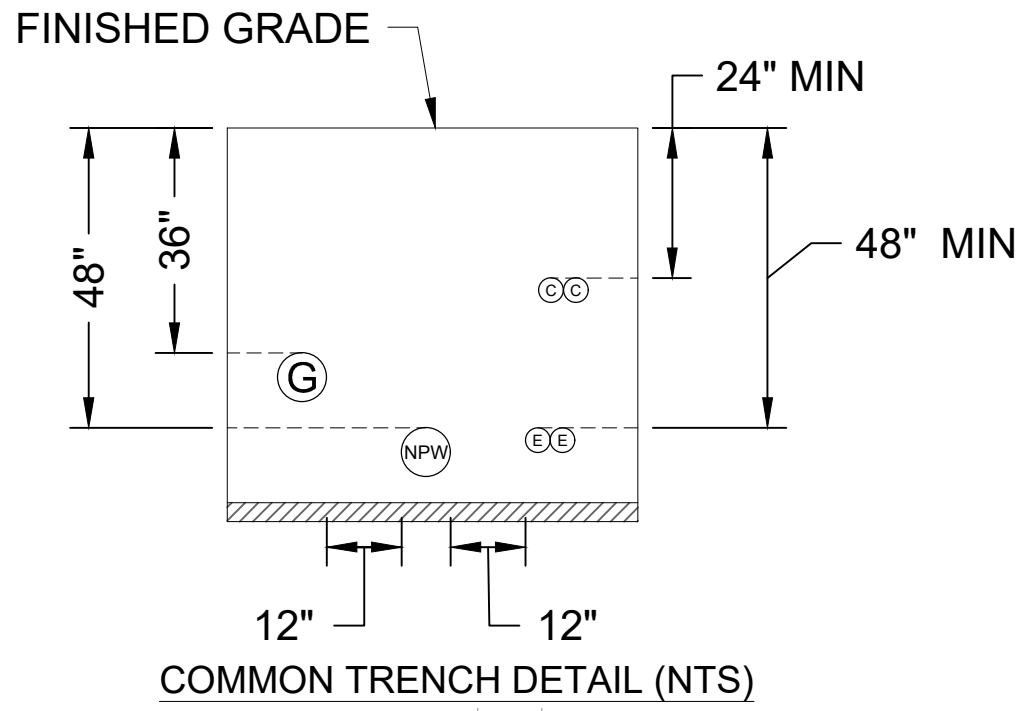
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DATE:	8/5/2025		
BY:	JLM	CHKD:	TS
REMARKS:			

PHASE 1 GRADING PLAN

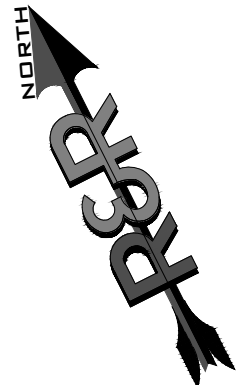
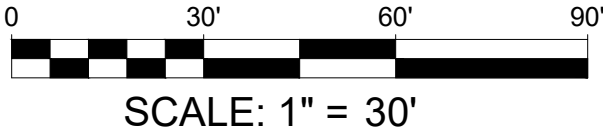
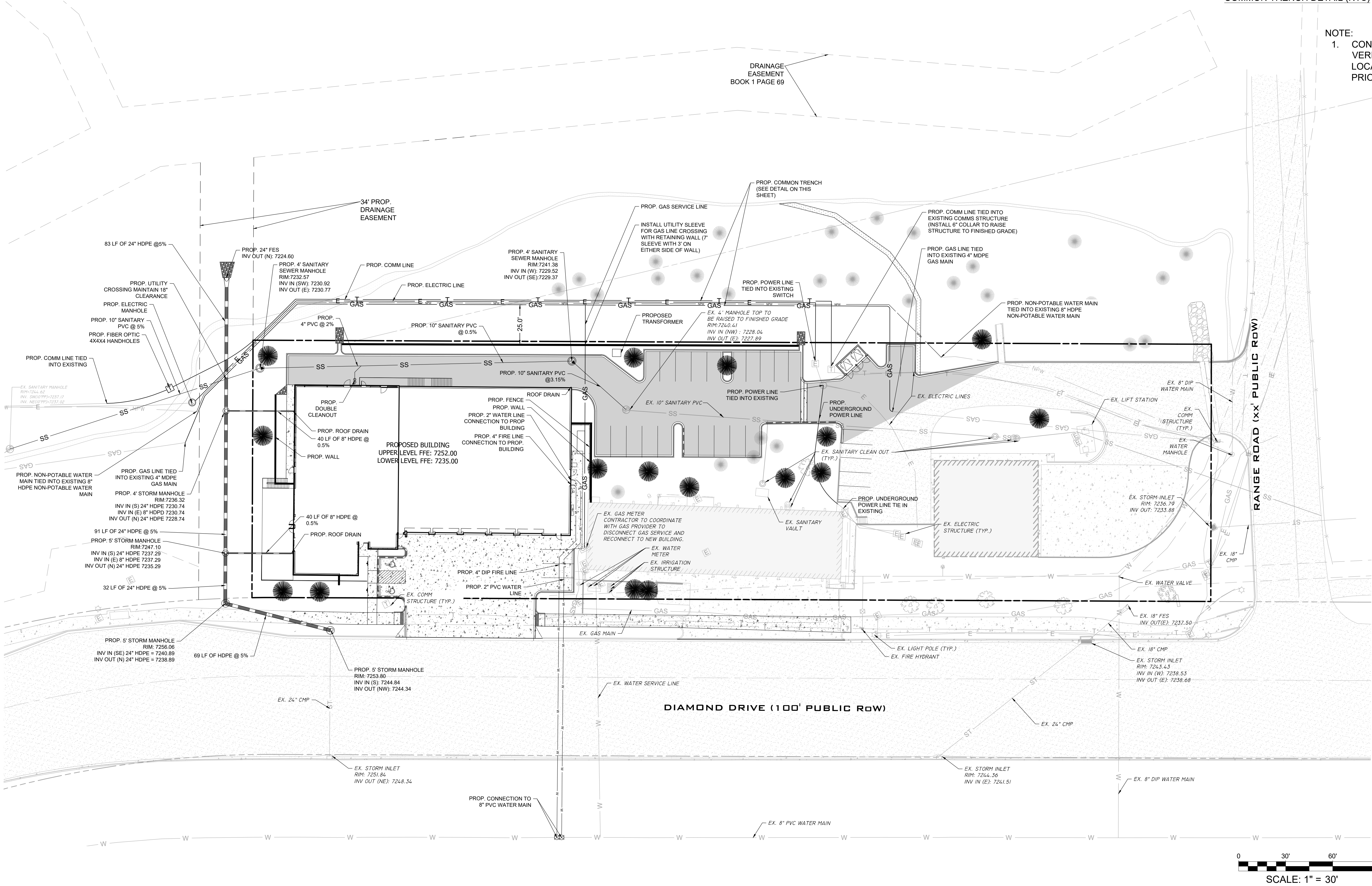
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CONSTRUCTION DOCUMENTS FOR
LOS ALAMOS FIRE STATION NO. 4

LOS ALAMOS, NM 87544
SITUATED NEAR THE INTERSECTION OF SAN ILDEFONSO ROAD,
N. MESA ROAD, AND DIAMOND DRIVE, LOS ALAMOS, NM 87544



NOTE:
1. CONTRACTOR TO FIELD
VERIFY ALL UTILITY
LOCATIONS AND DEPTHS
PRIOR TO CONSTRUCTION.



NO.	REVISION	BY	DATE



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LOS ALAMOS FIRE STATION NO. 4
LOS ALAMOS, NM 87544
LOS ALAMOS COUNTY
1000 OPPENHEIMER DRIVE
LAS ALAMOS NM 87544

CONSTRUCTION DOCUMENTS
JOB NO. VA24076
DATE: 8/6/2025
DWN: JLM CHKD: TS
NAME

PHASE 1 OVERALL
UTILITY

PATH: P:\V24076 LOS ALAMOS FIRE STATION NO. 4\ENGINEERING\5 DRAWINGS\PLANS\OVERALL-UTIL-V24076.DWG, PLOT DATE: 8/6/2025 3:28:27 PM BY: ENNA PERDUE

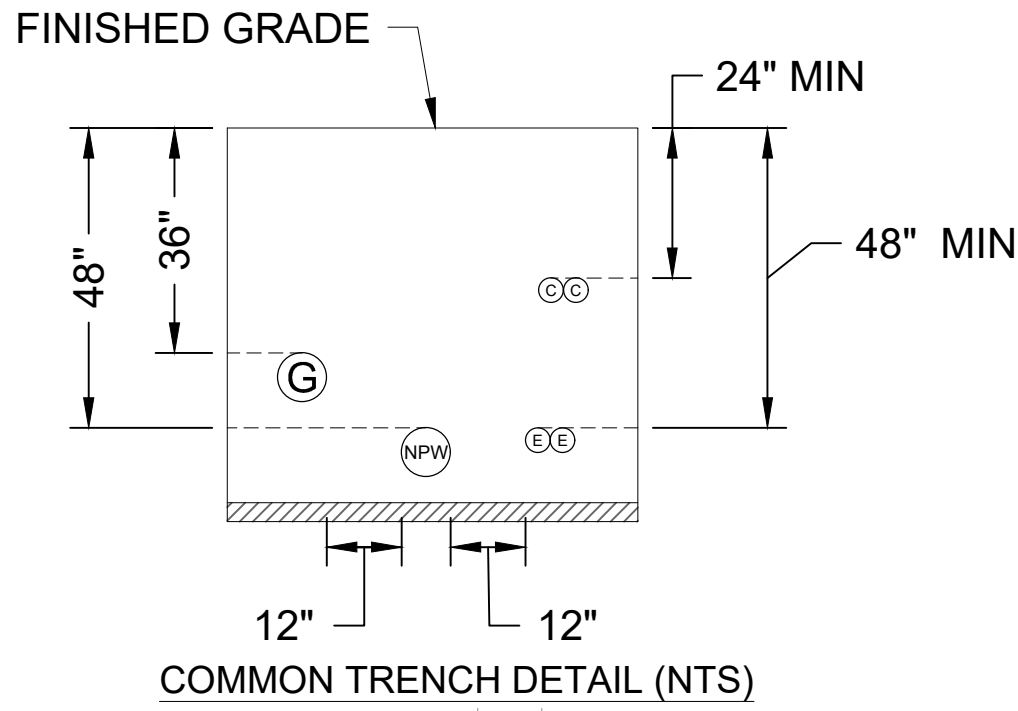
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SS CURRENT SANITARY SEWER LAYOUT

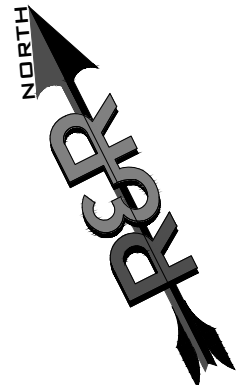
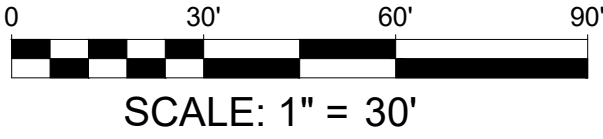
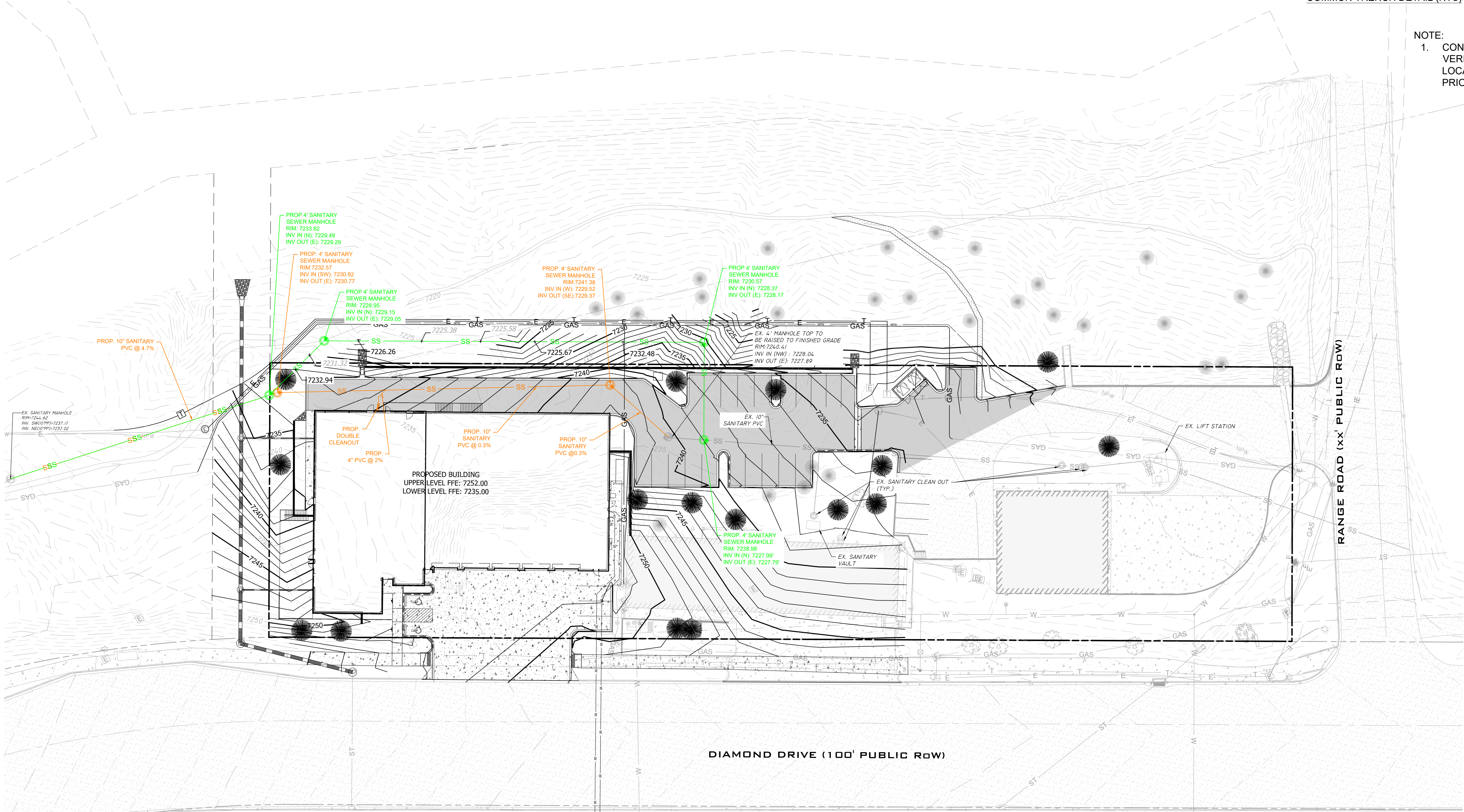
SS REROUTED SANITARY SEWER LAYOUT

CONSTRUCTION DOCUMENTS FOR
LOS ALAMOS FIRE STATION NO. 4

LOS ALAMOS, NM 87544
SITUATED NEAR THE INTERSECTION OF SAN ILDEFONSO ROAD,
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NOTE:
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NO.	REVISION	BY	DATE

ENGINEERS
SURVEYORS

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1635 WEST 13TH AVENUE, SUITE 310
DENVER, COLORADO 80204
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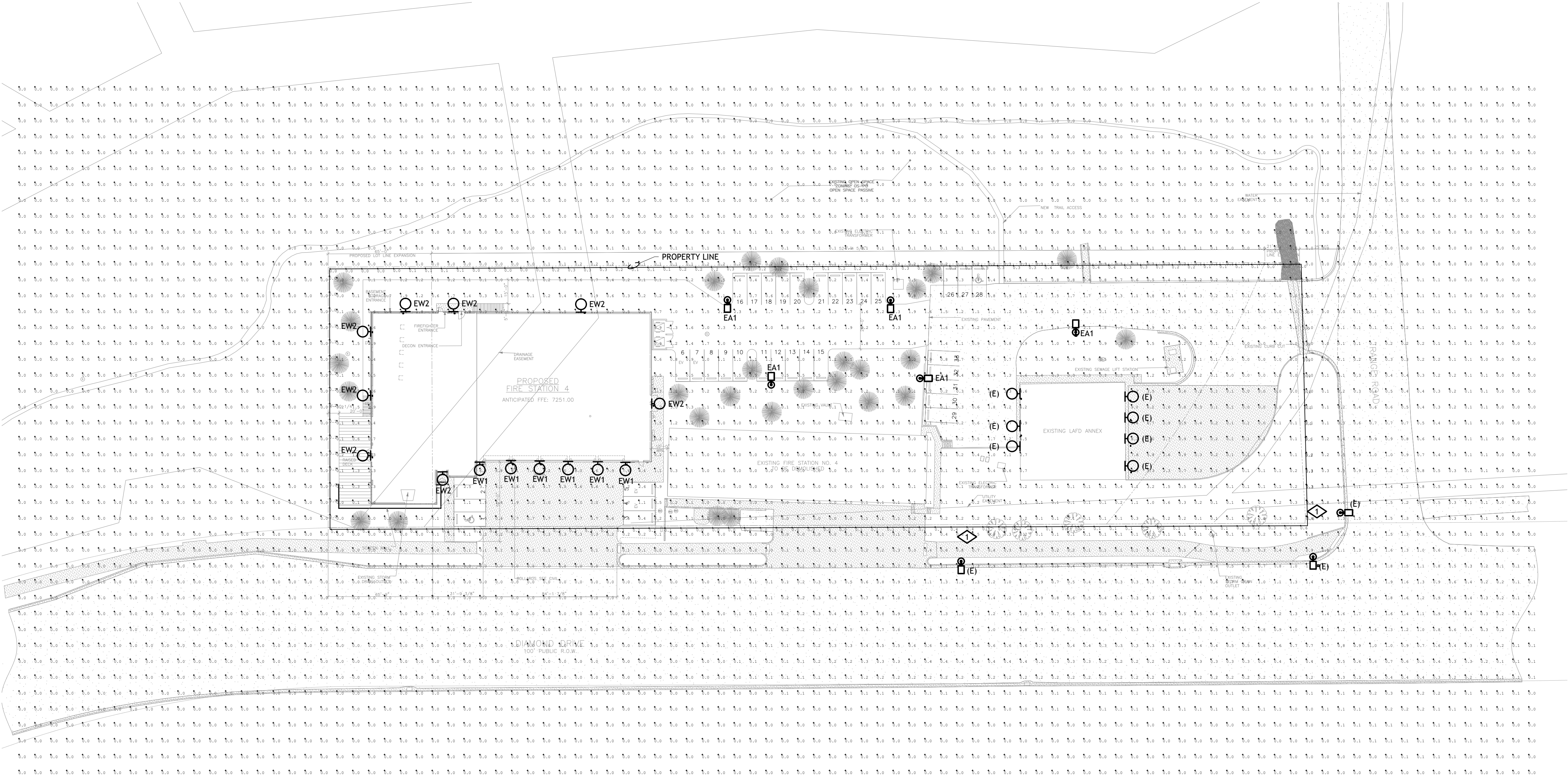
FIRE STATION NO. 4

SITE ADDRESS: LOS ALAMOS FIRE STATION NO. 4
LOS ALAMOS, NM 87544

PREPARED FOR: LOS ALAMOS COUNTY
1000 OPPENHEIMER DRIVE
LAS ALAMOS NM 87544

CONSTRUCTION DOCUMENTS			
JOB NO.	VA24076		
DATE:	8/7/2025		
DWN:	JLM	CHKD:	TS
NAME			

PHASE 1 OVERALL
UTILITY



Calculation Summary						
Label	Units	Avg	Max	Min	Avg/Min	Max/Min
PROPERTY LINE	Fc	0.15	0.6	0.0	N.A.	N.A.
SITE	Fc	0.26	9.4	0.0	N.A.	N.A.

LIGHTING FIXTURES	
	WALL MOUNTED LUMINAIRE
	STEP LIGHT TYPE LUMINAIRE
	IN-GRADE UPLIGHT
	BOLLARD
	PEDESTRIAN POLE OR POST TOP LUMINAIRE
	EXTERIOR AREA LIGHT

GENERAL NOTES	
A.	ALL LUMINAIRE'S SHALL BE FULLY SHIELDED.
B.	MAXIMUM LIGHT TRESPASS AT PROPERTY LINE SHALL NOT EXCEED 0.3 FOOTCANDLES, MEASURED AT GRADE.
C.	MAXIMUM CORRELATED COLOR TEMPERATURE FOR ALL LIGHT SOURCES SHALL NOT EXCEED 2700K AND HAVE A MINIMUM COLOR RENDERING OF CRI 65.
D.	PARKING LOT LIGHTING SHALL NOT EXCEED 220 LUMENS PER PARKING SPACE.
E.	TOTAL SITE LUMEN ALLOWANCE SHALL NOT EXCEED 20,000 LUMENS PER ACRE. THIS PROJECT CALCULATES OUT TO BE 16,845 LUMENS PER ACRE, THEREFORE, THIS SATISFIES THE REQUIREMENT.
F.	ALL LIGHTING INSTALLATIONS MUST COMPLY WITH LOS ALAMOS COUNTRY CODE SECTION 16-44 THROUGH 16-55.
KEYNOTE LEGEND	
KEY	VALUE
1.	PROPERTY LINE LIGHT LEVELS EXCEED 0.3 FC IN THIS LOCATION DUE TO EXISTING STREET LIGHTS IN PUBLIC ROW OUTSIDE PROJECT SCOPE.

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FIRE STATION 4

4401 DIAMOND DRIVE
LOS ALAMOS, NM 87545

P24.0730 LAC.FS4







Issue

- 100% SCHEMATIC DESIGN
04.24.2025
- 100% CONCEPTUAL DESIGN
02.28.2025



d^{series}

D-Series Size 1
LED Area Luminaire



Specifications

EPA: 0.69 ft² (0.06 m²)

Length: 32.71" (831 mm)

Width: 14.26" (362 mm)

Height H1: 7.88" (200 mm)

Height H2: 2.73" (69 mm)

Weight: 34 lbs (15.4 kg)

Introduction

The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.


The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Ordering Information

EXAMPLE: DSX1 LED P7 40K 70CRI T3M MVOLT SPA NLTAR2 PIRHN DDBXD

Series	LEDs	Color Temperature ¹	Color Rendering Index ²	Distribution		Voltage	Mounting
DSX1 LED	Forward optics P1 P6 P2 P7 P3 P8 P4 P9 P5 Rotated optics P10 ³ P12 ³ P11 ³ P13 ³	(this section 70CRI only) 30K 3500K 40K 4000K 50K 5000K (this section 80CRI only, extended lead times apply) 27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K	70CRI 70CRI 70CRI 70CRI 80CRI 80CRI 80CRI 80CRI	AFR Automotive front row T1S Type I short T2M Type II medium T3M Type III medium T3LG Type III low glare ⁴ T4M Type IV medium T4LG Type IV low glare ⁴ TF1M Forward throw medium	TSM Type V medium T3LG Type V low glare T5W Type V wide BLC3 Type II backlight corner ¹ BLC4 Type IV backlight corner ¹ LCCO Left corner cutoff ⁵ RCCO Right corner cutoff ⁵	MVOLT (120V-277V) ^{1,6} HVOLT (347V-480V) ^{1,6} XVOLT (277V-480V) ^{1,6} 208 ^{1,6,7,8} 240 ^{1,6,7,8} 277 ^{1,6,7,8} 347 ^{1,6,7,8} 480 ^{1,6,7,8}	Shipped included SPA Square pole mounting (#8 drilling) RPA Round pole mounting (#8 drilling) SPAS Square pole mounting (#5 drilling) RPAS Round pole mounting (#5 drilling) SPAN Square narrow pole mounting #5 drilling WBA Wall bracket ⁹ MA Most arm adapter (mounts on 2.38" OD horizontal bar)

Control options:	Other options:	Finish options:
Shipped installed NLTAR2 PIRHN nLight AIR gen 2 enabled with bi-level motion / ambient sensor, 8-40" mounting height, ambient sensor enabled at 2C ¹⁰ , 11, 12, 13 ¹⁰ PIR High/Low motion/ambient sensor, 8-40" mounting height, ambient sensor enabled at 2C ¹⁰ , 11, 12, 13 ¹⁰ PER NEMA twist-lock receptacle only (controls ordered separately) ¹⁰ PEKS Five-pin receptacle only (controls ordered separately) ^{10,11}	PER7 Seven-pin receptacle only (controls ordered separately) ^{10,11} FAO Field adjustable output ^{10,12} BL30 Bi-level switched dimming, 30% ^{10,13} BL50 Bi-level switched dimming, 50% ^{10,13} DMG 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately) ¹⁰ DS Dual switching ^{10,13,14}	Shipped installed SPD20KV 20KV surge protection HS Houseline shield (black finish standard) ¹⁵ L90 Left rotated optics ¹ R90 Right rotated optics ¹ CEE Coastal Construction ¹⁶ HA 50°C ambient operation ¹⁶ BAA Bay America(s) Act Compliant Single-line (120, 277, 347V) ¹⁶ DF Double-flux (228, 240, 480V) ¹⁶ Shipped separately EGSR External Glass Shield (reversible, field install required, matches housing finish) BSDB Bird Spikes (field install required)




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DSX1-LED Rev. 09/09/23 Page 1 of 10

1 | TYPE EA1

EP2 | SCALE: NTS



WDGE2 LED
Architectural Wall Sconce
Visual Comfort Optic



Specifications

Depth (D1): 7"

Depth (D2): 1.5"

Height: 9"

Width: 11.5"

Weight: 13.5 lbs (without options)

Introduction

The WDGE2 LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing a true site-wide solution. Embedded with nLight® AIR wireless controls, the WDGE2 family provides additional energy savings and code compliance.

WDGE2 delivers up to 6,000 lumens with a soft, non-pixelated light source, creating a visually comfortable environment. When combined with multiple integrated emergency battery backup options, including an 18W cold temperature option, the WDGE2 becomes the ideal wall-mounted lighting solution for pedestrian scale applications in any environment.


Ordering Information

EXAMPLE: WDGE2 LED P3 40K 80CRI VF MVOLT SRM DDBXD

Luminaire	Optics	Standard EDR, @ 0°C	Cold EDR, -20°C	Sensor	Approximate Lumens (4000K, 80CRI)							
					P0	P1	P2	P3	P4	P5	P6	
WDGE1 LED	Visual Comfort	4W	18W	--	750	1,200	2,000	--	--	--	--	
WDGE2 LED	Visual Comfort	10W	18W	Standalone / nLight	--	1,200	2,000	3,000	4,500	6,000	--	
WDGE2 LED	Precision Reflective	10W	18W	Standalone / nLight	700	1,200	2,000	3,200	4,200	--	--	
WDGE3 LED	Precision Reflective	15W	18W	Standalone / nLight	6,000	7,500	8,500	10,000	12,000	--	--	
WDGE4 LED	Precision Reflective	--	--	Standalone / nLight	--	12,000	16,000	18,000	20,000	22,000	25,000	

Series	Package	Color Temperature	CRI	Distribution	Voltage	Mounting	
WDGE2 LED	P1 ¹	P15W	27K 2700K	80CRI	VF	Visual comfort forward throw	MVOLT 347 ¹
	P2 ¹	P25W	30K 3000K	90CRI	VF	Visual comfort forward throw	347 ¹
	P3 ¹	P35W	35K 3500K	--	VW	Visual comfort wide	480 ¹
	P4 ¹	--	40K 4000K	--	--	--	--
	P5 ¹	--	50K 5000K	--	--	--	--

Options		
Emergency battery backup , Certified in CA Title 20 MAEDBS (4W, 6°C min)	Standalone Sensors/Controls (only available with P15W, P25W & P35W)	Finish options
E10WH Emergency battery backup, Certified in CA Title 20 MAEDBS (10W, 5°C min)	PIR Bi-level (100/35%) motion sensor for 8-15" mounting heights. Intended for use on switched circuits with external dusk to dawn switching.	DDBD Dark bronze
E20WC Emergency battery backup, Certified in CA Title 20 MAEDBS (18W, -20°C min)	PIRH Bi-level (100/35%) motion sensor for 15-30" mounting heights. Intended for use on switched circuits with external dusk to dawn switching.	DBLD Black
FE Photocell, Button Type ¹	PIR1FCV Bi-level (100/35%) motion sensor for 8-15" mounting heights with photocell pre-programmed for dusk to dawn operation.	DNAD Natural aluminum
DS Dual switching (comes with 2 drivers and 2 light engines; see page 3 for details) ¹⁰	PIR1FCV Bi-level (100/35%) motion sensor for 15-30" mounting heights with photocell pre-programmed for dusk to dawn operation.	DWHD White
DNG 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately) ¹⁰	Networked Sensors/Controls (only available with P15W, P25W & P35W)	DSXD Sandstone
BCE Bottom conduit entry for back box (P8BW, total of 4 entry points)	NLTAR2 PIR nLightAIR Wireless enabled bi-level motion/ambient sensor for 8-15" mounting heights.	DSFD Textured dark bronze
BAA Bay America(s) Act Compliant	NLTAR2 PIRB nLightAIR Wireless enabled bi-level motion/ambient sensor for 15-30" mounting heights.	DBLD Textured dark bronze
DSLE Dual Switching (1 Driver, 2 Light Engines)	NLTAR2 PIRB24 nLight AIR Wireless enabled, UL524 Listed motion / ambient sensor for 8-15" mounting heights ¹	DNAD Textured natural aluminum
CCE Coastal Construction	NLTAR2 PIRB24 nLight AIR Wireless enabled, UL524 Listed motion / ambient sensor for 15-30" mounting heights ¹	DSWD Textured white
		DSXD Textured sandstone



COMMERCIAL OUTDOOR

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WDGE2 LED Rev. 02/14/24

2 | TYPE EW1, EW2

EP2 | SCALE: NTS

LIGHTING FIXTURE SCHEDULE							
LUMEN OUTPUT	LUMINOUS EFFICACY	ENERGY STAR/ FEMP	DIMMING	FIXTURE FINISH	MOUNTING INFORMATION		NOTES
					LOCATION	BOF/RFD/OFH	
1166	116.6 LM/W	FEMP (OUTDOOR WALL-MOUNTED LUMINAIRE)	SWITCHING	BLACK	SURFACE WALL	15'-0" BOF	
1241	126.0 LM/W	FEMP (OUTDOOR WALL-MOUNTED LUMINAIRE)	SWITCHING	BLACK	SURFACE WALL	9'-0" BOF	
7203	141.2 LM/W	FEMP (OUTDOOR POLE/ARM-MOUNTED AREA LUMINAIRE)	SWITCHING	BLACK	POLE	20'-0" BOF	

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FIRE
STATION 4

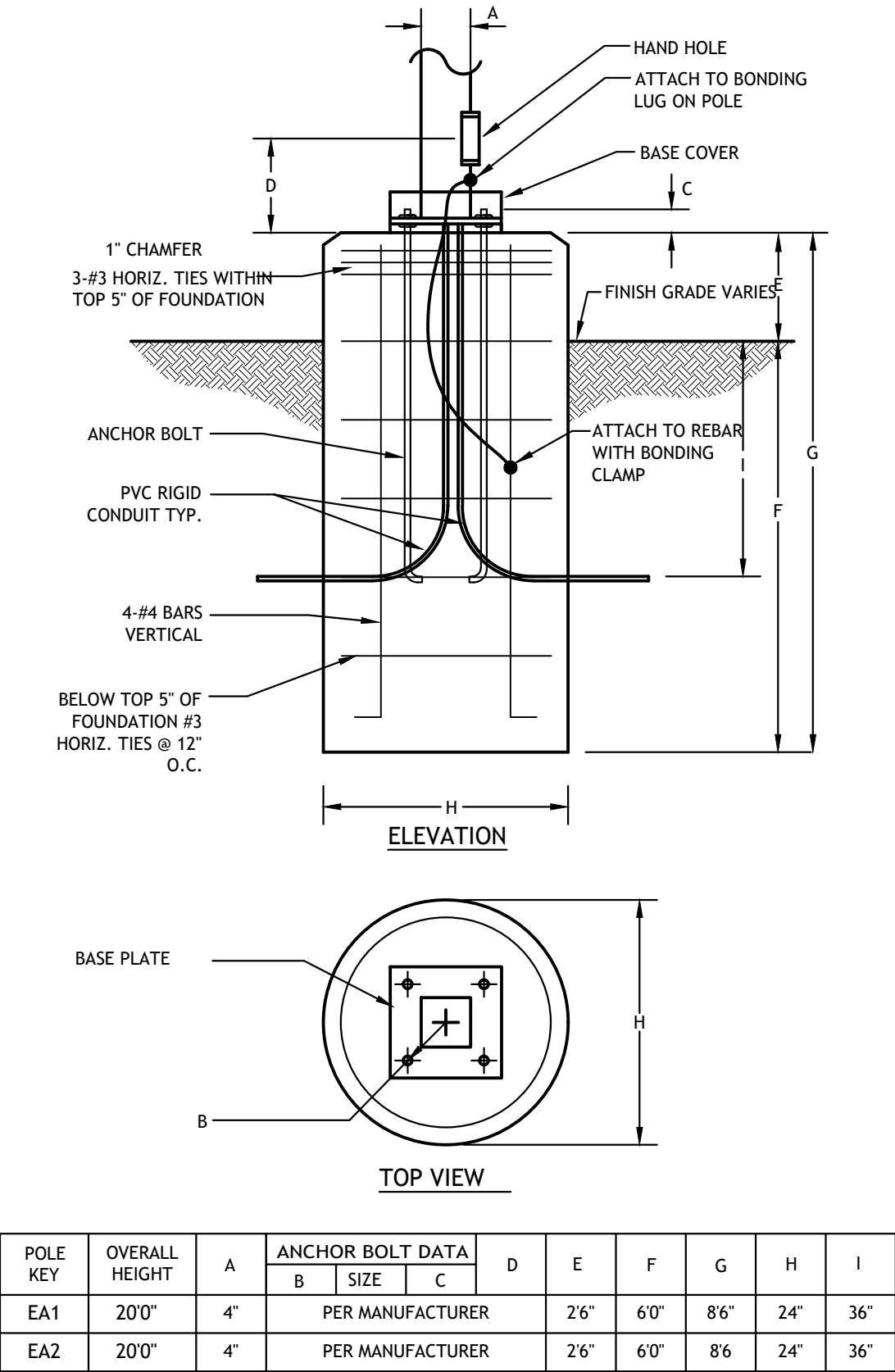
4401 DIAMOND DRIVE
LOS ALAMOS, NM 87545

P24.0730 LAC.FS4

Issue

100% SCHEMATIC DESIGN
04.24.2025

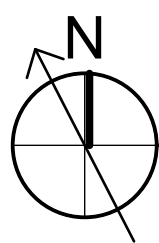
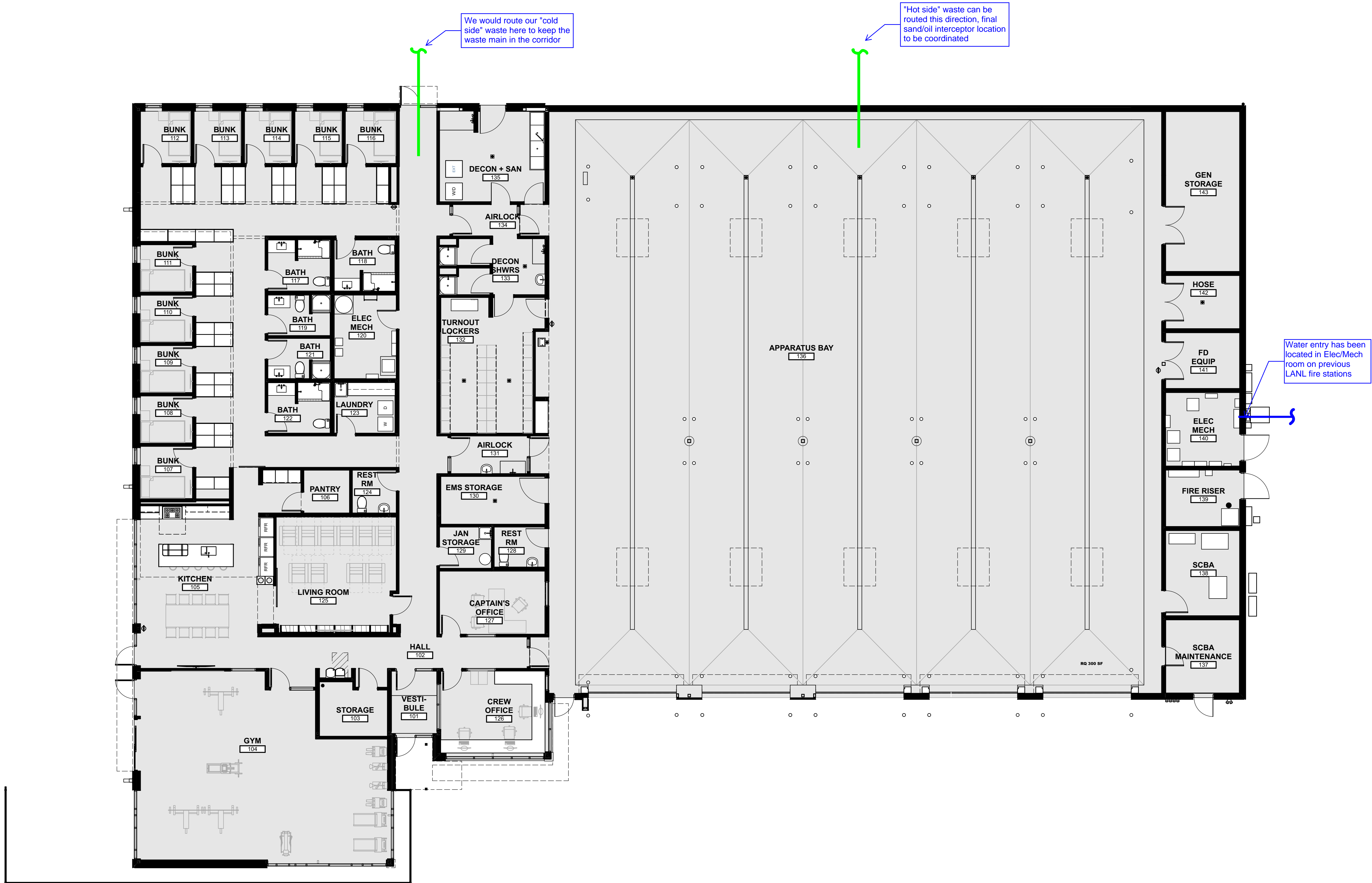
100% CONCEPTUAL DESIGN
02.28.2025



POLE KEY	OVERALL HEIGHT	A	ANCHOR BOLT DATA			D	E	F	G	H	I
			B	SIZE	C						
EA1	20'0"	4"	PER MANUFACTURER			2'6"	6'0"	8'6"	2'4"	3'6"	
EA2	20'0"	4"	PER MANUFACTURER			2'6"	6'0"	8'6"	2'4"	3'6"	

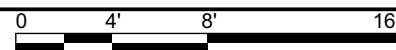
3 | POLE BASE DETAIL

4 | SCALE: NONE



Construction Plan - Main Level

SCALE: 1/8" = 1'-0"

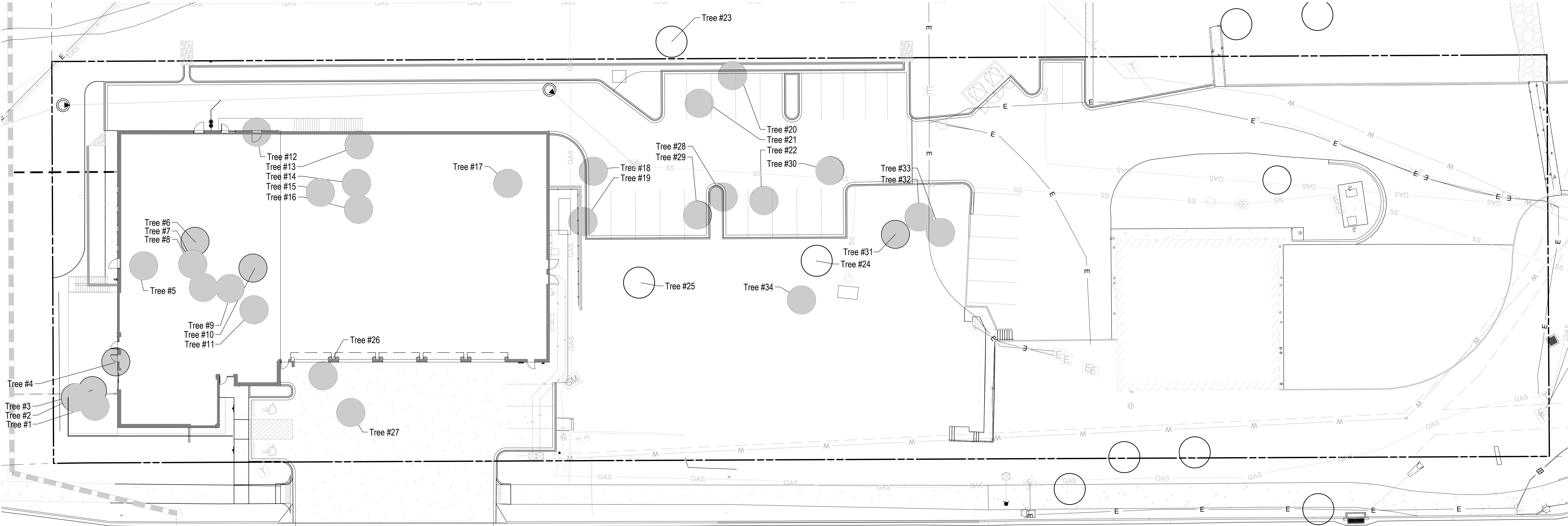


TREE MITIGATION CHART

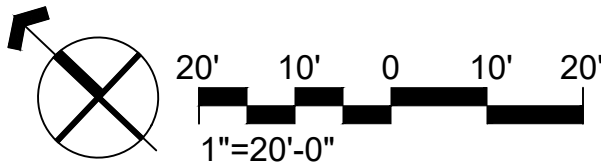
Tag No.	Site Plan Tree #	Species	Caliper Size (Inches) DBH	Status	Tree Condition	Impact	Mitigation (Number of Replaced Trees)
599	1	Ponderosa Pine	4	In Service	Healthy	To Be Removed	1
600	2	Ponderosa Pine	9	In Service	Healthy	To Be Removed	1
598	3	One-Seed Juniper	13	In Service	Healthy	To Be Removed	2
597	4	One-Seed Juniper	9	In Service	Healthy	To Be Removed	1
No tag	5	Rocky Mtn Juniper	20	In Service	Healthy	To Be Removed	3
No tag	6	Ponderosa Pine	2	In Service	Healthy	To Be Removed	1
336	7	Ponderosa Pine	15	In Service	Healthy	To Be Removed	2
397	8	One-Seed Juniper	16	In Service	Healthy	To Be Removed	2
325	9	Ponderosa Pine	3	In Service	Healthy	To Be Removed	1
399	10	Ponderosa Pine	4	In Service	Healthy	To Be Removed	1
335	11	Ponderosa Pine	18	In Service	Healthy	To Be Removed	2
578	12	Ponderosa Pine	16	In Service	Healthy	To Be Removed	2
576	13	Ponderosa Pine	16	In Service	Healthy	To Be Removed	2
575	14	Ponderosa Pine	17	In Service	Healthy	To Be Removed	2
577	15	Ponderosa Pine	16	In Service	Healthy	To Be Removed	2
574	16	Ponderosa Pine	30	In Service	Healthy	To Be Removed	3
571	17	Ponderosa Pine	22	In Service	Healthy	To Be Removed	3
570	18	Ponderosa Pine	21	In Service	Healthy	To Be Removed	3
572	19	Ponderosa Pine	15	In Service	Healthy	To Be Removed	2
567	20	Ponderosa Pine	15.5	In Service	Healthy	To Be Removed	2
568	21	Ponderosa Pine	25	In Service	Healthy	To Be Removed	3
565	22	Green Ash	9	In Service	Healthy	To Be Removed	1
TOTAL Required Replacement Trees:							42

326	23	Douglas Fir	15	In Service	Healthy	To Be Protected & Remain	2
565	24	Green Ash	9	In Service	Healthy	To Be Protected & Remain	1
396	25	Ponderosa Pine	6	In Service	Healthy	To Be Protected & Remain	1
TOTAL Trees To Remain							4

400	26	Siberian Elm	6	In Service	Moderate	To be Removed	0
328	27	Siberian Elm	16	In Service	Moderate	To be Removed	0
566	28	Siberian Elm	35	In Service	Moderate	To be Removed	0
564	29	Russian Olive	14	In Service	Moderate	To be Removed	0
561	30	Siberian Elm	6	In Service	Moderate	To be Removed	0
560	31	Siberian Elm	17	In Service	Moderate	To be Removed	0
559	32	Siberian Elm	8	In Service	Moderate	To be Removed	0
558	33	Siberian Elm	25	In Service	Moderate	To be Removed	0
563	34	Siberian Elm	60	In Service	Moderate	To be Removed	0



TREE MITIGATION PLAN

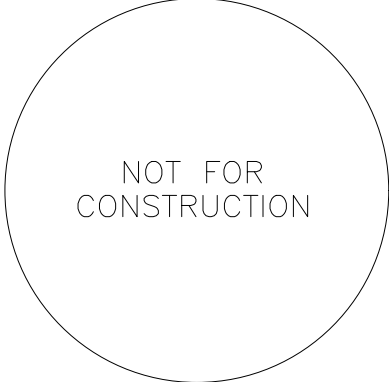


TREE MITIGATION LEGEND:

Tree # EXISTING TREE TO BE REMOVED AND REPLACED

Tree # EXISTING TREE TO BE REMOVED AND NOT REPLACED

Tree # EXISTING TREE TO BE PROTECTED AND REMAIN



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STACKlot

FIRE
STATION

4
4401 DIAMOND DRIVE
LOS ALAMOS, NM 87545

P24.0730 LAC.FS4

Issue	
SD 100% PROGRESS	04.24.2025
SD 80% PROGRESS	04.17.2025
SD 30% PROGRESS	04.03.2025
SD KICKOFF	03.18.2025
100% CONCEPTUAL DESIGN	02.28.2025
COUNTY SUBMITTAL	08.06.2025

TREE MITIGATION PLAN

L-1

LANDSCAPE CALCULATIONS

LANDSCAPE AREA*	TREE REQUIREMENT 2 / 1,000 S.F. Landscape Area			SHRUB REQUIREMENT 10 / 1,000 S.F. Landscape Area			GROUND COVER 75% Coverage at maturity	
	Required = 53		Provided = 53		Required = 267		Provided = 267	
			Proposed	Existing			Proposed	Existing
26,703 S.F.			50	3			237	30
							20,027 S.F.	21,629 S.F.

* Landscape Area calculated for expansion area only. Plant material has been added to existing and proposed expansion areas due to limited planting areas.

PLANT LIST:

QUAN.	SYM.	COMMON/BOTANICAL NAME	INSTALLED SIZE	COND.
DECIDUOUS TREES				
17	GOA	GAMBEL OAK <i>Quercus gambelii</i>	3" CAL.	B & B
16	RMM	ROCKY MOUNTAIN MAPLE <i>Acer glabrum</i>	3" CAL.	B & B
EVERGREEN TREES				
8	PPN	PINYON PINE <i>Pinus edulis</i>	6" HT. MIN.	B & B
9	PON	PONDEROSA PINE <i>Pinus ponderosa</i>	6" HT. MIN.	B & B
SHRUBS				
39	RDD	FRINGED SAGE <i>Artemisia frigida</i>	5 GAL.	CONT.
48	ALC	GOLDEN CURRANT <i>Ribes aureum</i>	5 GAL.	CONT.
34	GLS	FENDLER'S BUCKBRUSH <i>Ceanothus fendleri</i>	5 GAL.	CONT.
49	BSG	RUBBER RABBITBRUSH <i>Ericameria nauseosa</i>	5 GAL.	CONT.
GROUND COVER / GRASSES / PERENNIALS / ANNUALS				
23	KFG	MORMON TEA <i>Ephedra</i> spp.	5 GAL.	CONT.
15	BWD	BUTTERFLY WEED <i>Asclepias tuberosa</i>	5 GAL.	CONT.
14	SWD	SPIDER MILKWEED <i>Asclepias asperula</i>	5 GAL.	CONT.
15	WWF	WESTERN WALLFLOWER <i>Erysium capitatum</i>	5 GAL.	CONT.

LANDSCAPE LEGEND:

DECIDUOUS TREES

EVERGREEN TREES

SHRUBS

ORNAMENTAL GRASSES & PERENNIALS

EXISTING TREE(S) TO REMAIN

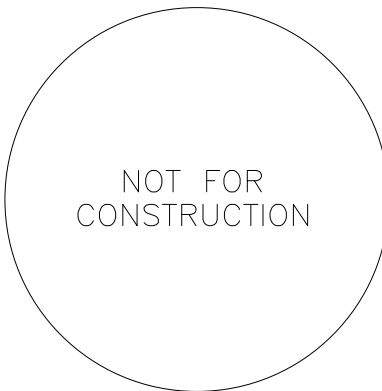
STEEL EDGING WITH PROTECTIVE CAP

4'-6" BOULDERS

DECOMPOSED GRANITE - TAN
1/4" MINUS, 4" DEPTH MIN. COMPACTED

NATIVE SEED & WILDFLOWER MIX PER LANL
SEEDING SPECIFICATION 32 9219
MIX RATIO: SEEDING RATE - 20lbs/acre

GRASSES
30% BLUE GRAMA - *Bouteloua gracilis*
20% PRAIRIE JUNE GRASS - *Koeleria macrantha*
10% WESTERN WHEAT GRASS - *Pascopyrum smithii*
10% BUFFALO GRASS - *Buchloe dactyloides*
FORBS / WILDFLOWERS
4% BLUE FLAX - *Linum lewisii*
2% WESTERN YARROW - *Achillea millefolium*
4% FIREWHEEL/BLANKETFLOWER - *Gaillardia pulchella*
SHRUBS
5% CHAMISA - *Chrysothamnus/Ericameria*
5% GOLDEN CURRANT - *Ribes aureum*
POLLINATOR SPECIES
4% BUTTERFLY WEED - *Asclepias tuberosa*
3% ROCKY MOUNTAIN BEEPLANT - *Cleome serrulata*
3% WESTERN WALLFLOWER - *Erysimum capitatum*



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STACKlot

FIRE
STATION

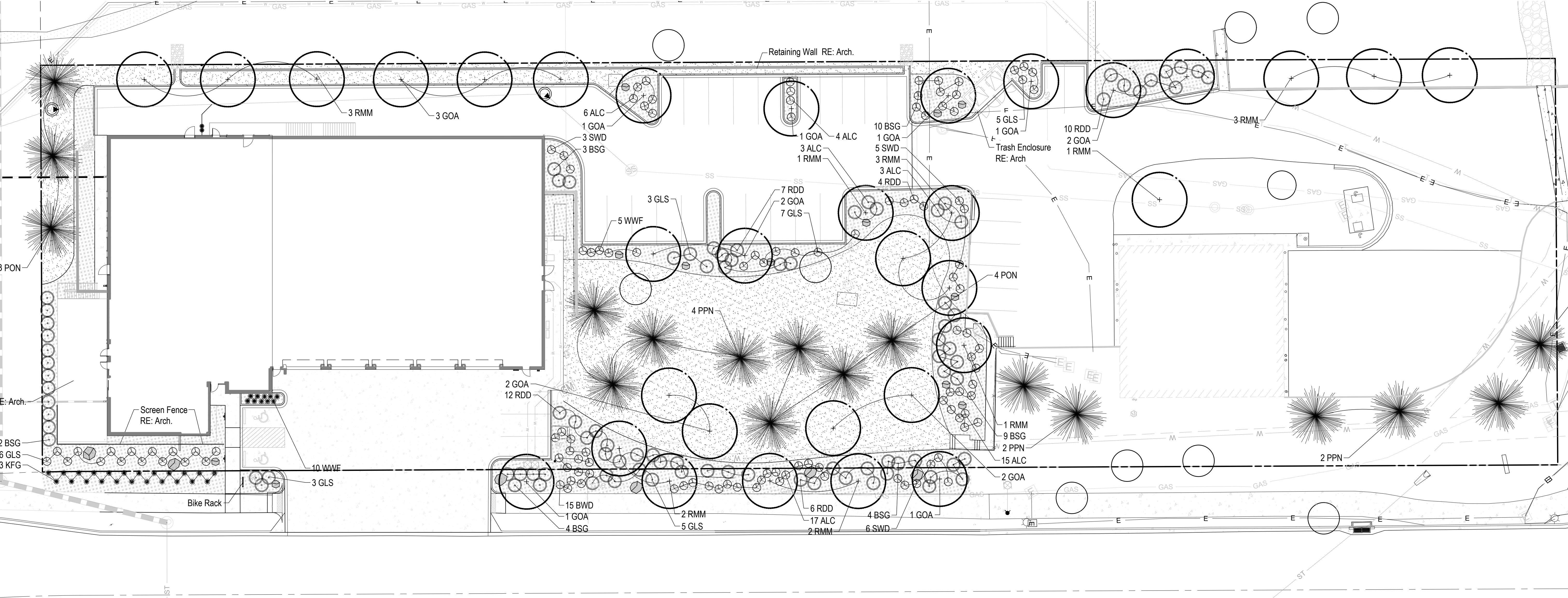
4

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LOS ALAMOS, NM 87545

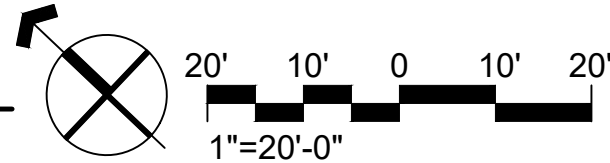
P24.0730 LAC.FS4

Issue

- SD 100% PROGRESS
04.24.2025
- SD 80% PROGRESS
04.17.2025
- SD 30% PROGRESS
04.03.2025
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03.18.2025
- 100% CONCEPTUAL DESIGN
02.28.2025
- COUNTY SUBMITTAL
08.06.2025

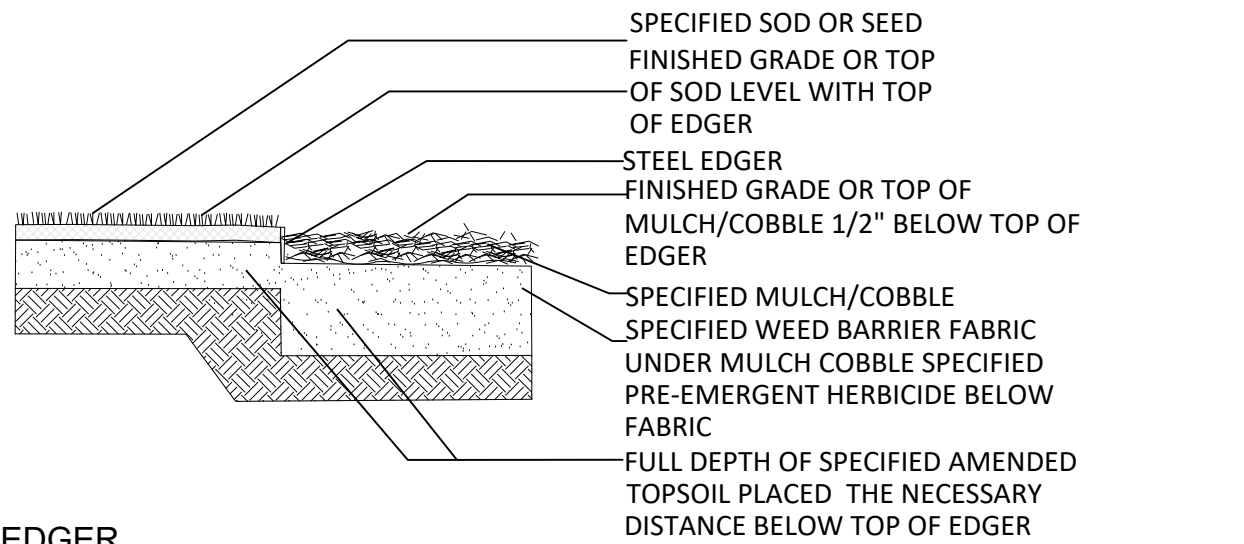


LANDSCAPE PLAN

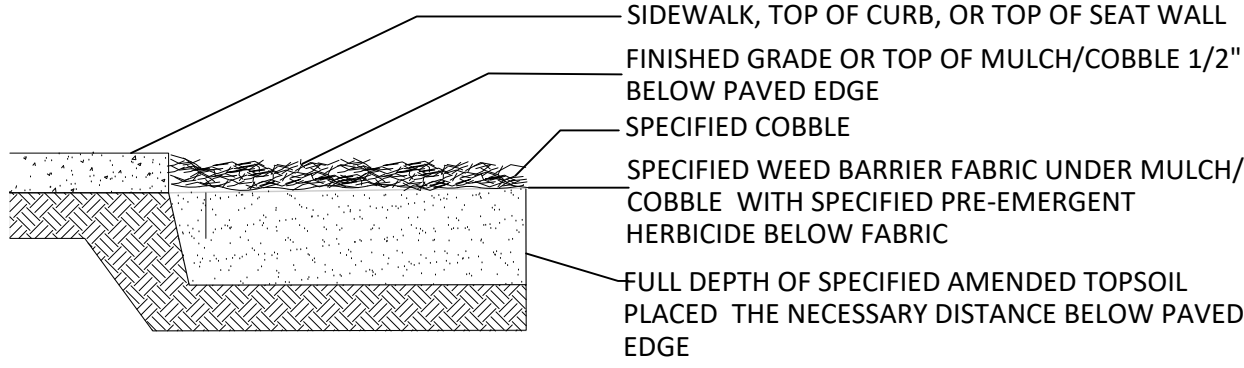


LANDSCAPE PLAN

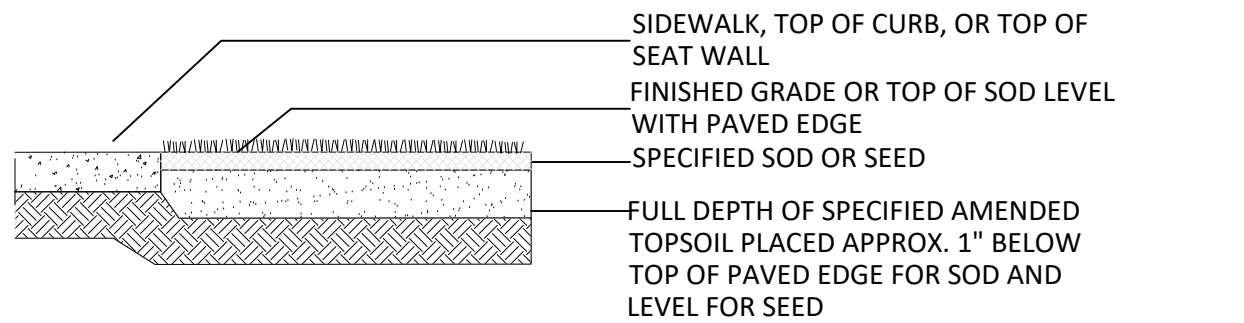
L-2



EDGER



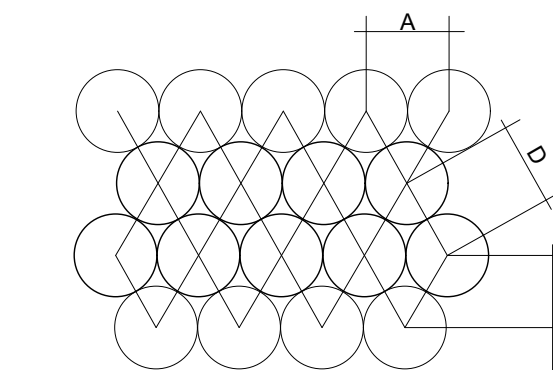
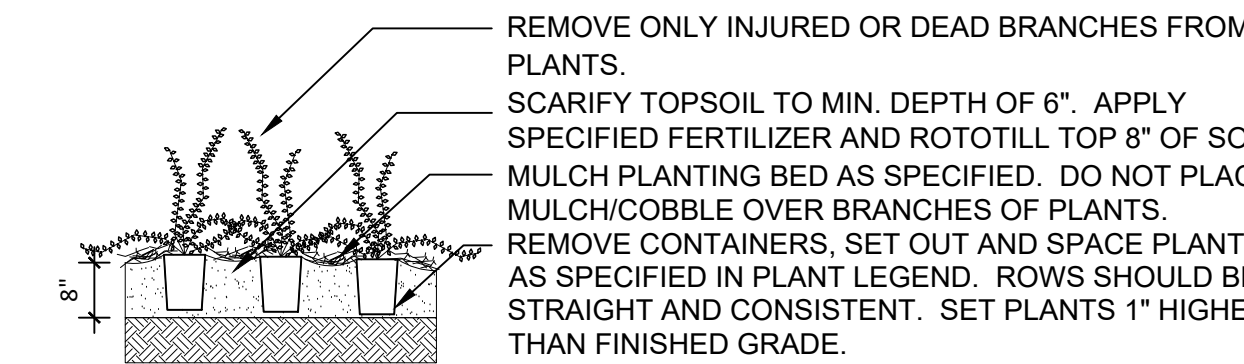
MULCH ADJACENT TO WALKS AND CURBS



SOD ADJACENT TO WALKS AND CURBS

1 EDGE TREATMENT

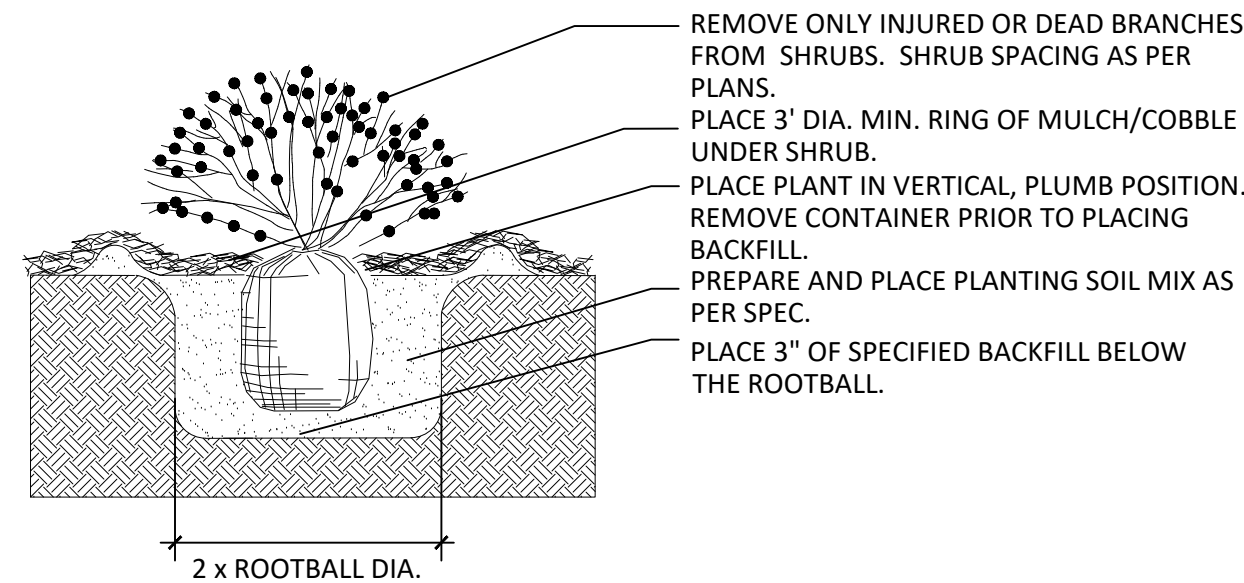
NOT TO SCALE



PLANT SPACING	A	B	C	D
6"	6"	6"	5"	6"
8"	8"	6"	7"	8"
12"	12"	6"	10"	12"
18"	18"	8"	15"	18"
24"	24"	18"	20"	24"
30"	30"	18"	26"	30"
36"	36"	24"	31"	36"
48"	48"	24"	41"	48"

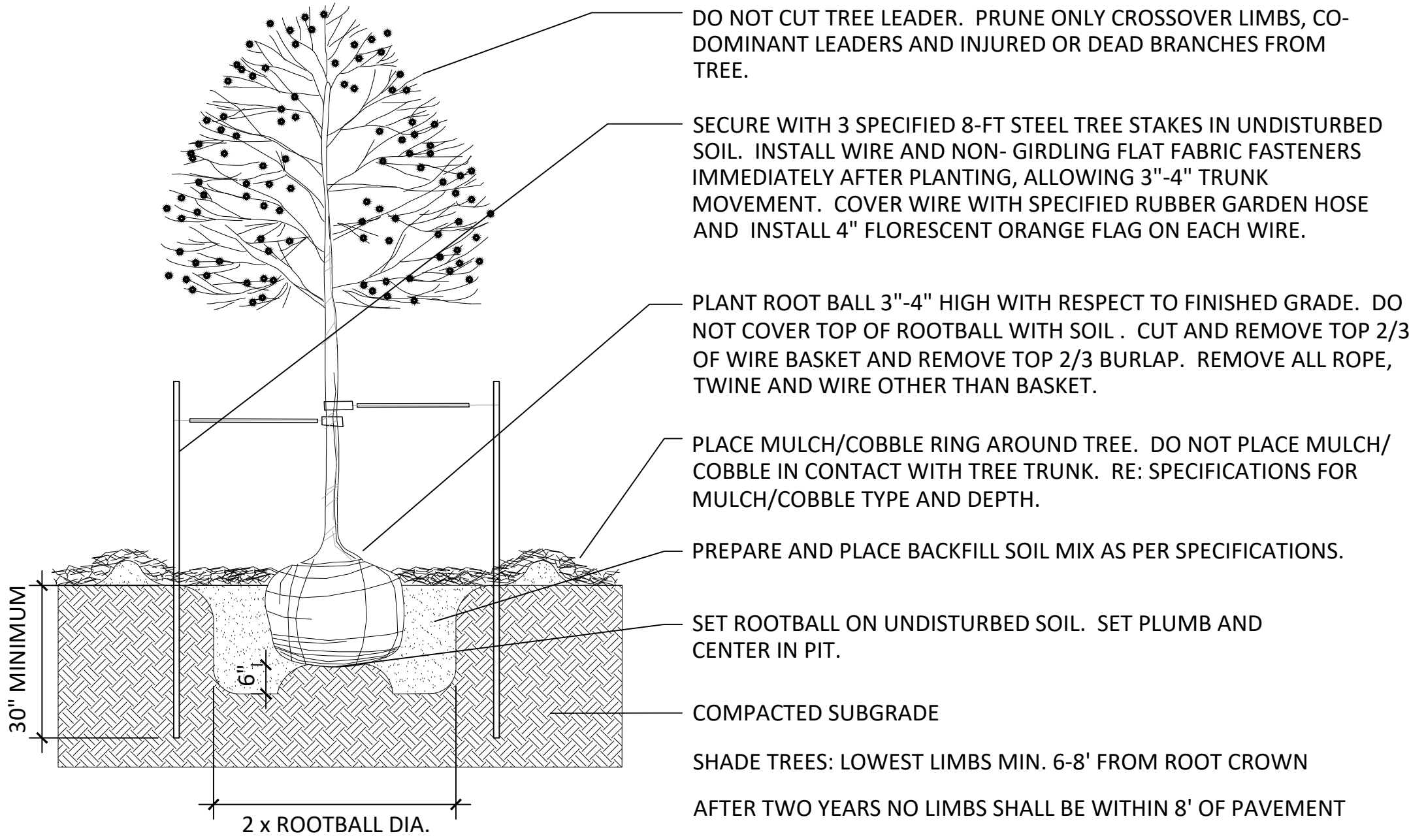
3 ORNAMENTAL GRASS / SHRUB SPACING

NOT TO SCALE



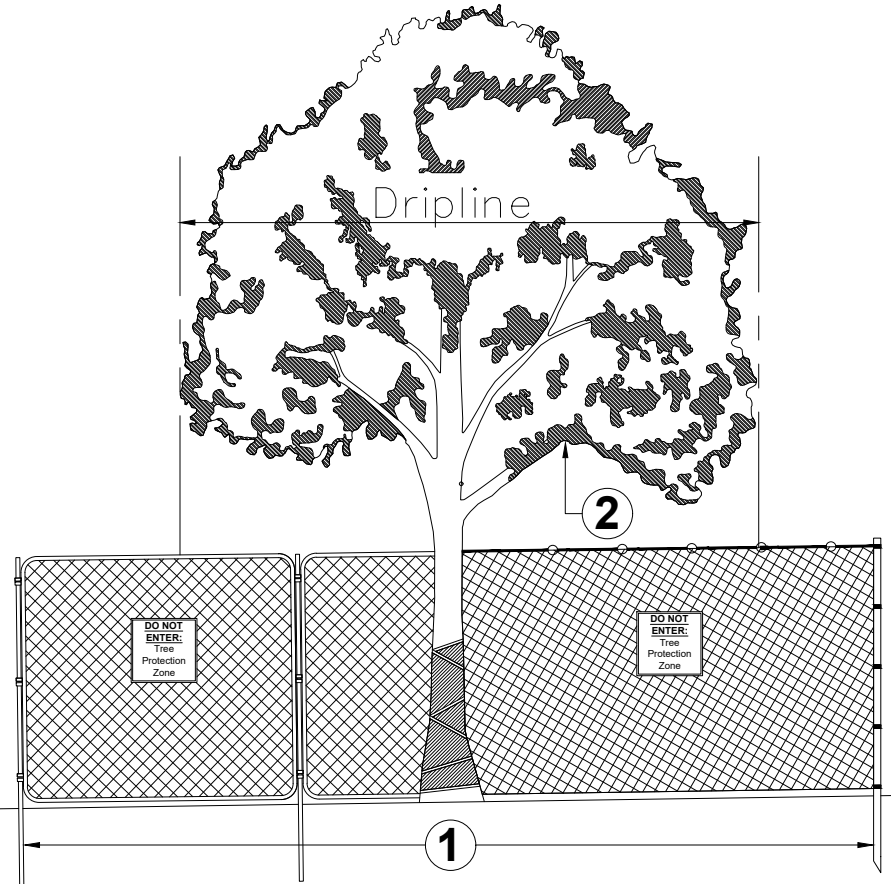
4 SHRUB PLANTING

NOT TO SCALE



2 TREE PLANTING DETAIL

NOT TO SCALE



Area 1: Tree Protection Zone and Critical Root Zone Protection

The Tree Protection Zone (TPZ) shall be equal to dripline or 1.5 feet radially from the tree for every one inch of trunk diameter at breast height (DBH = 4.5' above soil line), whichever is greater.

- A. Min 6' in height steel chain link fence is required unless otherwise approved by owner. Steel chain link fence panels or rolls are acceptable.
 - When chain link rolls are installed, it shall be fastened to heavy duty steel posts with safety caps at minimum five (5) attachment points with 12-gauge wire, including points at top and bottom. Weave wire through top of roll to eliminate sag.
 - Posts shall be driven 2' to 3' below grade and spaced at max. five to ten foot (5' - 10') o.c. intervals. Fencing must be kept taut at all times.
 - "Tree Protection Zone" signs shall be placed one (1) per each tree protection zone minimum or more per direction of City Forester; maintain in the location and condition in which approved.
 - TPZ, including signage, shall be maintained in the location and condition in which approved.

The Critical Root Zone (CRZ) shall be equal to one foot radially from the tree for every one inch of trunk diameter at breast height.

Area 2: Canopy Protection

Contact OCF if potential for damage exists and/or if pruning is needed for any clearance issues prior to performing work

Notes

- OCF Tree Retention and Protection Specifications shall be followed throughout duration of work.
- After TPZ is approved;
 - TPZ shall not be resized, modified, removed, or altered in any manner without prior written approval. TPZ shall be maintained in place as approved until removal is authorized by OCF.
 - Entrance/access to the TPZ is not permitted without prior written approval from the owner.
- While TPZ fencing is in place, trees shall be deep-root watered at an interval of once every two weeks when temperatures are at or above 40 degrees F. Trees shall be watered at the rate of twenty-five (25) gallons per inch DBH.

5 TREE PROTECTION DETAIL

NOT TO SCALE

GENERAL PLANTING NOTES:

- PRIOR TO BEGINNING ANY WORK ON THE SITE THE LANDSCAPE CONTRACTOR SHALL CONTACT THE OFFICE OF THE GENERAL CONTRACTOR AND LANDSCAPE ARCHITECT FOR SPECIFIC INSTRUCTIONS RELEVANT TO THE SEQUENCING OF WORK.
- LANDSCAPE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICE NECESSARY TO FURNISH AND INSTALL PLANTINGS AND MATERIALS AS SPECIFIED HEREIN AND AS SHOWN ON PLANS.
- NO MATERIAL SUBSTITUTIONS SHALL BE MADE WITHOUT THE LANDSCAPE ARCHITECTS APPROVAL IN WRITING. ALTERNATE MATERIALS OF SIMILAR SIZE AND CHARACTER MAY BE CONSIDERED IF SPECIFIED PLANT MATERIALS CANNOT BE OBTAINED.
- LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REVISE PLANT MATERIAL LIST AS DEEMED NECESSARY.
- ALL PLANT LOCATIONS ARE APPROXIMATE. ADJUST AS NECESSARY TO AVOID CONFLICTS.
- QUANTITIES OF MATERIALS SHOWN ON THE PLANTING PLAN TAKE PRECEDENCE OVER QUANTITIES SHOWN ON THE PLANT MATERIAL SCHEDULE. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFY ALL QUANTITIES ON THE PLANTING PLAN(S).
- LANDSCAPE CONTRACTOR SHALL LOCATE ALL UTILITIES BEFORE COMMENCEMENT OF WORK. VERIFY EXACT LOCATION OF ALL UTILITIES BY CONTACTING APPROPRIATE UTILITY COMPANIES. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR THE REPAIR / REPLACEMENT FOR ANY DAMAGE CAUSED TO UTILITIES.
- FINISH GRADE SHALL BE ADJUSTED FOR TURF THICKNESS.
- ALL PLANT MATERIALS SHALL HAVE BACKFILL, CAREFULLY PLACED AROUND BASE AND IDES OF BALL TO TWO-THIRDS (2/3) DEPTH OF BALL THEN THOROUGHLY SOAKED WITH WATER TO ALLOW SETTLEMENT. ALL WIRE, BURLAP FASTENERS, TOP ONE-THIRD (1/3) OF BURLAP AND LOOSE BURLAP SHALL BE REMOVED AT THIS TIME THE REMAINDER OF HE PIT SHALL THEN BE BACKFILLED, ALLOWING FOR THE DEPTH OF THE MULCH SAUCER AND SETTLEMENT OF BACKFILL. BACKFILL SHALL THEN BE THOROUGHLY WATERED ONCE AGAIN.

IRRIGATION PERFORMANCE SPECIFICATIONS:

- ALL IRRIGATION EQUIPMENT SHALL BE ENVIRONMENTAL PROTECTION AGENCY (EPA) WATERSENSE CERTIFIED PRODUCTS PROVIDED BY RAINBIRD OR EQUIVALENT.
- REFER TO RAINBIRD'S EPA WATERSENSE EQUIPMENT FOR ALL IRRIGATION EQUIPMENT SUCH AS CONTROLLERS, SPRAY HEADS, ROTORS, DRIP SYSTEMS, PIPES AND VALVES.
- ALL LANDSCAPE AND PLANTING AREAS SHALL BE IRRIGATED WITH AN AUTOMATIC, IRRIGATION SYSTEM WITH CONTROLLER AND EPA WATERSENSE CERTIFIED PRODUCTS.
- IRRIGATION CONTRACTOR SHALL INSTALL NEW POPUP SPRAY AND/ OR ROTOR ZONES IN ALL NATIVE SEED AREAS DISTURBED BY CONSTRUCTION. HEADS SHALL BE INSTALLED WITH HEAD TO HEAD SPACING.
- ALL IRRIGATION COMPONENTS SHALL BE THE SAME MANUFACTURE AND MODEL(S).
- IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND VERIFICATION OF ALL EXISTING UTILITIES AND STRUCTURES. DAMAGE DONE TO UTILITIES, STRUCTURES OR OTHER FINISHED WORK SHALL BE REPAIRED TO ORIGINAL CONDITION AT NO COST TO THE OWNER.
- IRRIGATION SYSTEM IS TO CONSIST OF SEPARATE DRIP ZONES, SPRAY HEAD ZONES AND ROTOR ZONES. EACH WITH A SEPARATE VALVE AND STATION ON THE CONTROLLER.
- ALL SPRINKLER HEADS SHALL BE ADJUSTED SO THEY DO NOT SPRAY ONTO WALKS, PARKING AREAS, RETAINING WALLS, BUILDINGS OR THE HARDSCAPE AREAS.
- CONTRACTOR SHALL REFER TO IRRIGATION SPECIFICATION SECTION

TREE PROTECTION NOTES:

- STANDARD TREE PROTECTION NOTES:
- EXISTING TREES TO BE PRESERVED IN PUBLIC RIGHT OF WAY (ROW) OR PUBLIC PLACE SHALL BE PROTECTED PER STANDARDS AND PRACTICES. TREE PROTECTION SHALL BE
 - INSTALLED PRIOR TO COMMENCEMENT OF DEMOLITION AND/OR CONSTRUCTION ACTIVITIES
 - INSPECTED AND APPROVED BY STAFF
 - REMAIN IN PLACE AND AS APPROVED UNTIL CERTIFICATE OF OCCUPANCY OR SUBSTANTIAL COMPLETION AND FINAL ACCEPTANCE IS ISSUED
 - TREE PROTECTION REQUIREMENTS:
 - TREE PROTECTION ZONE (TPZ) SHALL BE INSTALLED AT THE DRIPLINE, FURTHEST EXTENT OF TREE CANOPY, OR IS EQUAL TO EIGHTEEN INCHES RADIALLY FROM THE TREE FOR EVERY ONE INCH OF TRUNK DIAMETER AT BREAST HEIGHT (DBH = 4.5' ABOVE SOIL LINE), WHICHEVER IS GREATER
 - INSTALL SIX FOOT (6') CHAIN LINK FENCING PRIOR TO COMMENCEMENT OF PROJECT CONSTRUCTION ACTIVITIES
 - STAFF SHALL INSPECT AND APPROVE BOUNDARIES OF TREE PROTECTION ZONE(S) PRIOR TO COMMENCEMENT OF DEMOLITION OR CONSTRUCTION ACTIVITIES
 - ONCE TPZ IS IN PLACE, THE FOLLOWING ARE NOT PERMITTED WITHIN TPZ WITHOUT PRIOR WRITTEN APPROVAL FROM OWNER:
 - ENTRANCE AND/OR ACCESS
 - MOVING, RESIZING, REMOVING, OR ALTERING IN ANY MANNER
 - STORAGE OF MATERIALS/DEBRIS/EQUIPMENT
 - CONSTRUCTION ACTIVITIES INCLUDING BUT NOT LIMITED TO: ROTOTILLING, TRENCHING, GRADING, INSTALLATION OF UNDERGROUND UTILITIES AND/OR SITE IMPROVEMENTS, LANDSCAPING, IRRIGATION WORK
 - IRRIGATION LINE WORK SHALL BE COMPLETED BY DIRECTIONAL BORE
 - "TREE PROTECTION ZONE" SIGNS SHALL REMAIN
 - TREE PRUNING FOR CLEARANCE ISSUES MUST HAVE PRIOR AUTHORIZATION BY OCF STAFF
 - FOR PROJECTS WITH A DURATION OF 5 DAYS OR LONGER
 - PROTECTED TREES SHALL BE DEEP-ROOT WATERED AT A MINIMUM INTERVAL OF ONCE PER WEEK WHEN TEMPERATURES ARE AT OR ABOVE 40-DEGREES F
 - TREES SHALL BE WATERED AT THE RATE OF 20 GALLONS PER INCH CALIPER
 - INSECT AND DISEASE TREATMENTS SHALL BE APPLIED WHEN NECESSARY

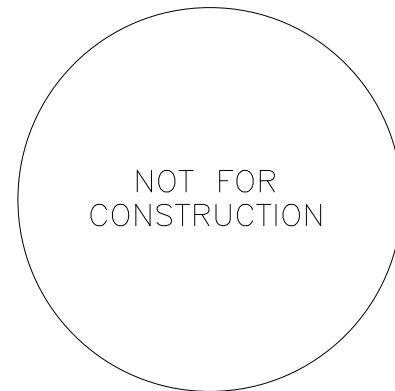
- AFTER PLANTING IS COMPLETED REPAIR INJURIES TO ALL PLANTS AS REQUIRED. LIMIT AMOUNT OF PRUNING TO A MINIMUM NECESSARY TO REMOVE DEAD OR INJURED TWIGS AND BRANCHES. PRUNE IN SUCH A MANNER AS NOT TO CHANGE THE NATURAL GROWING HABIT OR SHAPE OF THE PLANT. MAKE ALL CUTS FLUSH, LEAVING NO STUBS. CENTRAL LEADERS SHALL NOT BE REMOVED. IF THE CENTRAL LEADER OF A PLANT IS DEAD THE PLANT SHALL BE REPLACED.
- PLANT SPECIFIED GROUND COVERS WITHIN ONE FOOT OF TRUCK OF TREES AND SHRUBS PLANTED WITHIN THE AREA. PLANTING ARRANGEMENTS SHALL BE TRIANGULAR WITH PROPER SPACING BETWEEN PLANTS.
- COMMERCIAL GRADE 3/16 INCH BY 4" POWDER COATED STEEL EDGING SHALL BE USED TO SEPARATE ALL TURF AREAS FROM PLANTING BEDS. PLACE EDGING FLUSH WITH GRADE AND STAKE TO GROUND PER MANUFACTURES RECOMMENDATIONS.
- LANDSCAPE CONTRACTOR TO PROVIDE THE LANDSCAPE CONTRACTOR A SAMPLE OF PROPOSED STEEL EDGING FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
- USE SHREDDDED CEDAR MULCH IN ALL PLANTING BEDS AND TREE SAUCERS. LANDSCAPE CONTRACTOR SHALL PROVIDE A 1 CUBIC FOOT SAMPLE OF PROPOSED MULCH TO LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL.
- PLACE FOUR INCHES OF MULCH IN ALL SHRUB BEDS, PLACE FOUR INCHES OF MULCH IN ALL GROUND COVER, PERENNIAL BEDS AND PLACE 4 INCHES OF MULCH AT ALL TREE SAUCERS.
- PLANTING BEDS RECEIVING MULCH MULCH ARE TO BE FREE OF WEEDS AND GRASS. TREAT BEDS WITH A PRE-EMMERGENT HERBICIDE PRIOR TO PLANTING AND MULCH PLACEMENT. DO NOT APPLY HERBICIDE IN PERENNIAL OR ANNUAL BEDS.
- LANDSCAPE CONTRACTOR TO REMOVE TREE STAKES AND ALL DEAD WOOD ON TREES AND SHRUBS ONE YEAR AFTER SUBSTANTIAL COMPLETION IS GRANTED ON THE COMPLETE PROJECT.
- REPORT ANY DISCREPANCIES IN THE PLANTING PLAN TO THE LANDSCAPE ARCHITECT PRIOR TO STARTING CONSTRUCTION.
- IRRIGATION HEADS SHALL BE PLACED ABOVE THE 2-YEAR WATER SURFACE ELEVATION IN THE WATER QUALITY SWALE.

FIRE PROTECTION NOTE

- PER RCD REQUIREMENT FOR FIRE PROTECTION DESIGN ANALYSIS, (ESM CHAPTER 2 D40GEN, SECTION 5.4, DOCUMENT DOE O 420.1C Chg 3): ESTABLISH AN INTEGRATED SITE-WIDE WILDLAND FIRE MANAGEMENT PLAN, CONSISTENT WITH THE RELEVANT PORTIONS OF THE FEDERAL WILDLAND FIRE MANAGEMENT POLICY. THIS SCOPE TO BE COORDINATED WITH LANL.

PERFORMANCE GUARANTEE:

ALL PROPOSED LANDSCAPE AND IRRIGATION IMPROVEMENTS SHALL BE GUARANTEED FOR A MINIMUM PERIOD OF TWO YEARS FROM SUBSTANTIAL COMPLETION OF THE PROJECT.



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STACKlot

FIRE
STATION

4
4401 DIAMOND DRIVE
LOS ALAMOS, NM 87545

P24.0730 LAC.FS4

Issue

SD 100% PROGRESS
04.24.2025

SD 80% PROGRESS
04.17.2025

SD 30% PROGRESS
04.03.2025

SD KICKOFF
03.18.2025

100% CONCEPTUAL DESIGN
02.28.2025

COUNTY SUBMITTAL
08.06.2025

LANDSCAPE NOTES
& DETAILS

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