

Planning Commission Agenda Wednesday August 9, 2023 – 6:30 PM Minturn Town Hall / Council Chambers 302 Pine St Minturn, CO

The agenda is subject to change, including the addition of items 24 hours in advance or the deletion of items at any time. The order and times of agenda items listed are approximate. This agenda and meetings can be viewed at <u>www.minturn.org</u>.

MEETING ACCESS INFORMATION AND PUBLIC PARTICIPATION

This will be an in-person meeting with access for the public to attend in person or via the Zoom link included. Zoom Link: <u>https://us02web.zoom.us/j/89058958897</u>

Zoom Call-In Information: 1 651 372 8299 or 1 301 715 8592 Webinar ID: 890 5895 8897

Please note: all virtual participants are muted. In order to be called upon and be unmuted, you will need to use the "raise hand" feature in the Zoom platform. When it's your turn to speak, the moderator will unmute your line and you will have five (5) minutes for public comment.

PUBLIC COMMENTS: If you are unable to attend, public comments regarding any items on the agenda can be submitted to Madison Harris, Planner I, prior to the meeting and will be included as part of the record.

1. CALL TO ORDER - 6:30 PM

2. <u>ROLL CALL & PLEDGE OF ALLEGIANCE</u>

- 3. <u>APPROVAL OF MINUTES</u> 3.1 July 26, 2023
- 4. <u>APPROVAL OF AGENDA</u> Opportunity for amendment or deletions to the agenda.

5. DECLARATION OF CONFLICTS OF INTEREST

6. <u>PUBLIC COMMENT</u> Citizens are invited to comment on any item not on the regular Agenda subject to a public hearing. Please limit your comments to five (5) minutes per person unless arrangements have been made for a presentation with the Town Planner. Those who are speaking are requested to state their name and address for the record.

7. <u>SPECIAL PRESENTATIONS</u>

Minturn Planning Commission August 9, 2023 Page 2 of 2

8. DESIGN REVIEW AND LAND USE PUBLIC HEARINGS

8.1 962 Main Street – Changes to Approved Plans 8.2 759 Main Street – Bianchi Driveway

9. DISCUSSION / DIRECTION

9.1 Colorado Parks and Wildlife

10. STAFF REPORTS

10.1 Manager's Report

11. PLANNING COMMISSION COMMENTS

12. <u>FUTURE MEETINGS</u>

12.1 August 23, 2023 12.2 September 13, 2023

13. ADJOURN



Planning Commission Official Minutes Wednesday July 26, 2023 – 6:30 PM Minturn Town Hall / Council Chambers 302 Pine St Minturn, CO

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MEETING ACCESS INFORMATION AND PUBLIC PARTICIPATION

This will be an in-person meeting with access for the public to attend in person or via the Zoom link included. Zoom Link: <u>https://us02web.zoom.us/j/84338937829</u>

Zoom Call-In Information: 1 651 372 8299 or 1 301 715 8592 Webinar ID: 843 3893 7829

Please note: all virtual participants are muted. In order to be called upon and be unmuted, you will need to use the "raise hand" feature in the Zoom platform. When it's your turn to speak, the moderator will unmute your line and you will have five (5) minutes for public comment.

PUBLIC COMMENTS: If you are unable to attend, public comments regarding any items on the agenda can be submitted to Madison Harris, Planner I, prior to the meeting and will be included as part of the record.

1. CALL TO ORDER - 6:30 PM

Lynn Teach called the meeting to order at 6:30 p.m.

2. <u>ROLL CALL & PLEDGE OF ALLEGIANCE</u>

Those present at roll call: Planning Commission Chair Lynn Teach and Planning Commission Members Michael Boyd, Tom Priest, and Jeff Armistead. Staff Members Present: Planning Director Scot Hunn and Planner I Madison Harris. *Note: Amanda Mire and Sage Pierson are excused absent.*

3. <u>APPROVAL OF MINUTES</u>

3.1 July 12, 2023

Conflict lines that "are" in an unhealthy state. Motion by Jeff A., second by Michael B., to approve the minutes of July 12, 2023 as amended. Motion passed 4-0. *Note: Amanda M. and Sage P. are excused absent.*

4. <u>APPROVAL OF AGENDA</u> *Opportunity for amendment or deletions to the agenda.* Motion by Jeff A., second by Tom P., to approve the agenda as presented. Motion passed 4-0.

Note: Amanda M. and Sage P. are excused absent.

5. DECLARATION OF CONFLICTS OF INTEREST

No conflicts of interest.

6. <u>PUBLIC COMMENT</u> Citizens are invited to comment on any item not on the regular Agenda subject to a public hearing. Please limit your comments to five (5) minutes per person unless arrangements have been made for a presentation with the Town Planner. Those who are speaking are requested to state their name and address for the record. No public comment.

7. SPECIAL PRESENTATIONS

8. DESIGN REVIEW AND LAND USE PUBLIC HEARINGS

9. DISCUSSION / DIRECTION

9.1 2023 Community Plan Review

Scot H. said that Chapter 16 update is at the top of our list, but what should our priorities be for the next couple of years for the Planning Commission? Coordinating with CPW and wildlife mitigation practices he believes is another big priority.

Tom P. said that Objectives 1.1 (provide and follow cohesive forward thinking zoning for the Town), 2.5 (ADU incentives to encourage affordable residential development), 4.6 (goes in hand with 2.5) are his priorities.

Jeff A. said that Action Items 4.6.1 (AMI), 7.6.1 (Little Beach Park Recreation Plan), and 2.2.4 (modifying historic structures) are his priorities.

Note: Sage P. joined the meeting at 6:43 p.m.

Michael B. said that his priorities were Objective 4.5 (water), Objective 6.1.2 (land uses, parking requirements, 2 hour time limits with parking turnover), 6.3.1, 6.3.2, 6.3.3 (connectivity with sidewalks, Objective 3.3 (pursuing something with Dowd Junction), Action 1.1 (future zoning map).

Sage P. said that she agrees with Jeff A. about his comments concerning Little Beach.

Lynn T. said that her priorities are to keep Minturn Minturn, water, zoning, wildlife and Little Beach Park, wildfire, AMI, and parking.

10. STAFF REPORTS

10.1 Manager's Report

For the Love of Local Wildlife

We are excited to be enjoying the summer season in the Colorado Rockies. With this special time of year comes the need to pay extra diligence toward any outdoor garbage storage. If you store your garbage bin outside, you are required to have it locked in a wildlife-proof container. Bears, raccoons, and a variety of other furry critters just love what you may have thrown out the night before and everyone needs to be mindful that a violating bear is a dead bear.

Human Resource Services

I plan to contract with Employer's Council for human resource services. Minturn's Employee Handbook is now 25-years old and in need of updating. Additionally, the resources and HR specialists available can provide Minturn with job descriptions, salary surveys, a resource library and guidance on medial leave issues. Attached are documents pertaining to the contracted services. Minturn would be under the "Consulting" category.

Two Elk Target Range

I met with USFS, CPW, BLM and Eagle County representatives regarding the Two Elk Target Range. The USFS is currently working to determine their bandwidth for adding the TETR into their scope of work for 2024. They already have a full workload but will make final determinations later this year.

Minturn Tank #3 (New Concrete Tank)

I am hopeful the new tank will be in operation by the time of this council meeting. Final controls are set to be programmed on Monday, July 17th and once completed, the tank should be filled and operational.

Minturn Fitness Center

Kevin Roop, MFC Manager, will be moving to Aspen and the MFC has published a notice for candidates. I will be interviewing three candidate finalists next week and expect a determination shortly thereafter. We wish Kevin the very best in his new endeavors.

Bellm Bridge Repairs

SEH was contracted to recommend temporary scour countermeasures to address an Essential Repair Finding (ERF) for the Bellm Bridge in Minturn, CO. The bridge is currently showing major signs of scour including a number of exposed footers and piers. To address the ERF, it was determined that temporary scour protection needed to be put in place to minimize further erosion and prevent potential failure of the bridge. The most recent bridge inspection report and ERF can be found in an attachment to this memo. The intent is to place riprap to prevent further scour damage to the Bellm Bridge while funding and design for permanent improvements are determined.

11. PLANNING COMMISSION COMMENTS

Jeff A. welcomed Tom P. back. The 4th Minturn Concert Series is tomorrow night.

12. FUTURE MEETINGS

12.1 August 9, 2023 12.2 August 23, 2023

13. ADJOURN

Motion by Tom P., second by Michael B., to adjourn the regular meeting of July 26, 2023 at 7:50 p.m. Motion passed 5-0. *Note: Amanda M. is excused absent.*

Lynn Teach, Commission Chair

ATTEST:

Scot Hunn, Planning Director

Minturn Planning Department Minturn Town Center 302 Pine Street Minturn, Colorado 81645



Minturn Planning Commission Chair – Lynn Teach Jeff Armistead Michael Boyd Amanda Mire Sage Pierson Tom Priest

To:	Planning Commission
From:	Madison Harris, Planner I
Date:	August 4, 2023
Re:	962 Main Street - Changes to Approved Plans

Warner Hopkins, representative of 962 Main Street, received approval from the DRB on February 23, 2022 for a new single family house, and received approval for Changes to Approved Plans on September 28, 2022 removing the originally approved pool as well as shrinking impervious and building coverage. Upon further review with the property owner, they would like to add the pool back into the plans.

The lot coverage has remained the same at 2,755.7 sq. ft., and the impervious coverage has changed from 3,511.7 sq. ft. to 4,304.3 sq. ft. The plans still show four parking spaces, two in the garage, and two in the driveway which still meets the code.

Staff believes that the proposed modifications will not change the project's conformance with the applicable standards of Chapter 16 - Zoning, or Appendix 'B' – *Design Standards and Guidelines* of the Minturn Municipal Code.

Staff is recommending **approval**.



DESIGN REVIEW APPLICATION

TOWN OF MINTURN PLANNING AND ZONING DEPARTMENT

P.O. Box 309 302 Pine Street Minturn, Colorado 81649-0309 Phone: 970-827-5645 Fax: 970-827-5545 Email: planner1@minturn.org

Project Name:				
Project Location Street Address:				
Street Address.				
7		Derest	NI	
Zoning:		Parcel	Number(s):	
Application Request:				
Applicant:				
Name:				
Mailing Address:				
Phone:		Email:		
Deversion of the Original and				
Property Owner: Name:				
Mailing Address:				
Phone:		Email:		
Required Information:				
Lot Size:	Type of Residence (Single	# of Bedrooms	# On-site I	Parking Spaces
	Family, ADU, Duplex)			
# of Stories:	Snow storage sq ft:	Building Footprir	t sa ft: Total sa ft	Impervious Surface:
				<u>r</u>
Signature:				
Fee Paid:	Date Received:	Planr	er:	

TAB Associates, Inc.

The Architectural Balance 0056 Edwards Village Boulevard Suite 210, Edwards, Colorado 81632 (970) 766-1470 (970) 766-1471 fax www.tabassociates.com tab@vail.net



Letter of Intent

Project: Woodruff Residence 962 Main Street Date: July 10, 2023

Project No: 2120

Modification to Approved Plans.

The Owner has gone through the discussions concerning the Energy Offset Program. With the addition of a large Solar PV System to provide the Energy Offset required, the Owner is adding the previously approved pool and the snowmelt back into the scope of work. These items were originally approved and only removed, due to how the Town was interpreting the Energy Offset Requirements. The intention was always to add them back into the scope after the Energy Offset Program issues could be resolved.

We do not believe the pool needs to be submitted for Approval by the Town Planning, as it was approved by the Town during the initial meetings and the Owner did not reduce the valuation for the permit fees when the pool and snowmelt were temporarily removed. The fee for both items was included in their valuation and paid for in full.

The only corrections are the additions of the snowmelt and the pool back into the project. No changes to the impermeable areas are proposed. Lots of boulders were excavated during the initial sitework, these were stored onsite and a retaining wall was installed around the street side of the hammerhead turnaround.

The Permit Fee was not reduced, when the pool and snowmelt was removed from the project, as the intent and understanding from the Superintendents conversation with Maddison was that the pool was to be added back into the project eventually. The removal of the pool was to accelerate the permit issuance and get the project underway while the Ecobuild Fees and required size of the solar system were discussed.

Date: September 1, 2022

Modification to Approved Plans.

The Owner has gone through several design revisions, specifically focused on decreasing the size of the home without losing the required elements. The overall massing of the home remains the same but there were several elements which went through revisions.

-The lower level will remain unfinished.

-The 3 car garage shrunk to a 2 car with a covered front patio which is experienced as you approach the front door.

-The home was squeezed to reduce the square footage.

-The pool was removed due to complications with the Energy Offset Program.

-Removal of the snowmelt around the project with the exception of 648 SF of snowmelt in the steeper section of the driveway.

Original Application

Date: January 25, 2022

The existing home was built around 1985 and no longer meets the needs of the Owner. They love the location and the Town so instead of relocating they want to rebuild.

The existing building is starting to deteriorate and would require substantial renovation.

The new single family house home accommodates the family while being much more energy efficient. The design is in the more modern style which the family appreciates and the home will be quite a bit larger allowing for family growth. The cars will be housed in the garage instead of surface parking and the family dreams of having a pool. All existing easements/setbacks will remain in place.

The driveway is a item for discussion as the family would appreciate a variance to allow them to maintain the existing driveways steep slope (16%) instead of having to regrade the entire drive and add steps between the garage and the residence. The driveway is scheduled to be snowmelted which will help with the steep slope. Regardless they have been in this residence for quite a few years and have not had issues with getting off the property due to the steepness of the slope. With the new design it allows them to turnaround on property instead of having to back out onto the road.

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Original Application

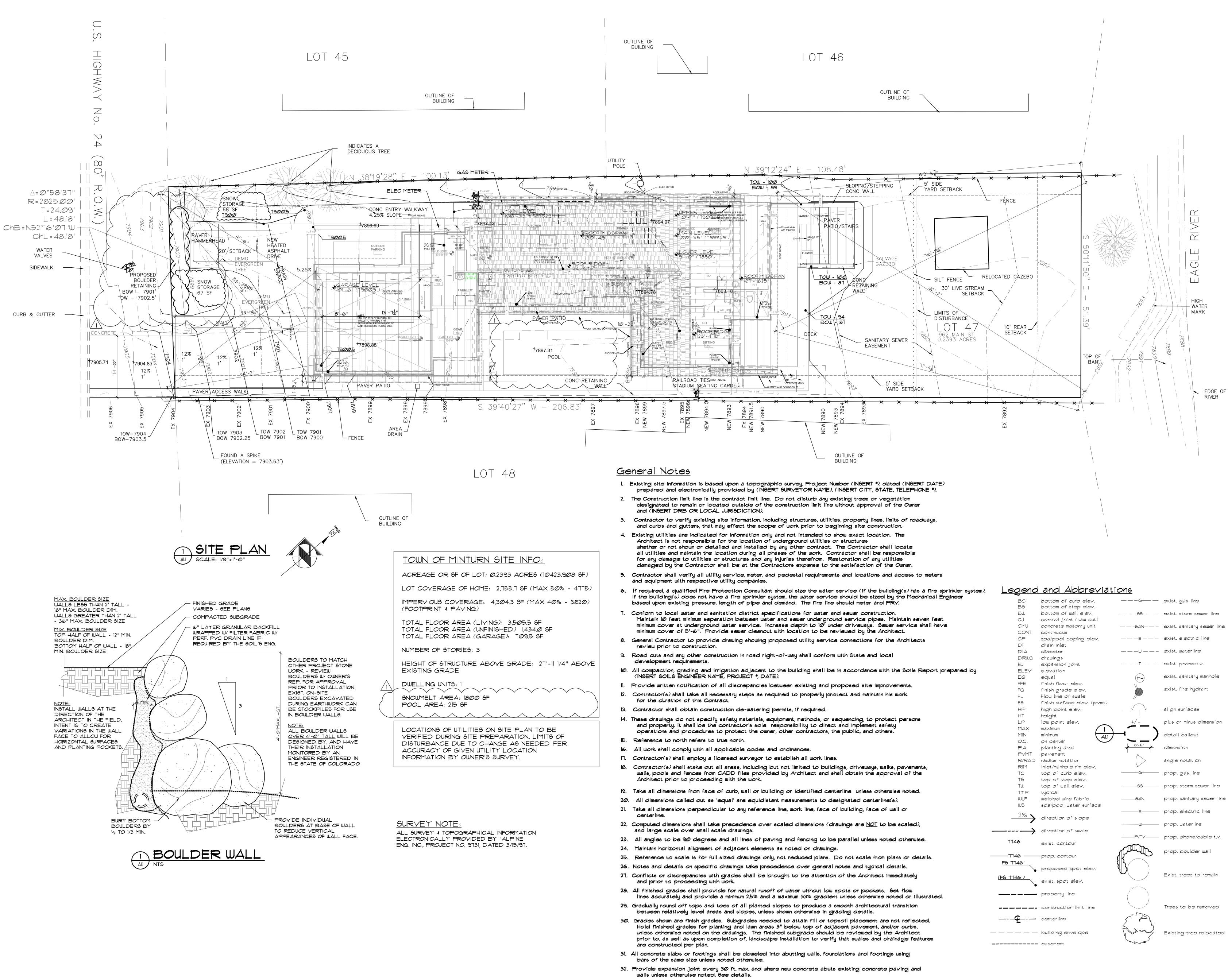
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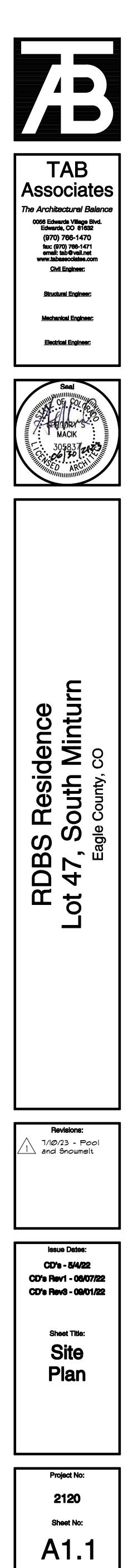
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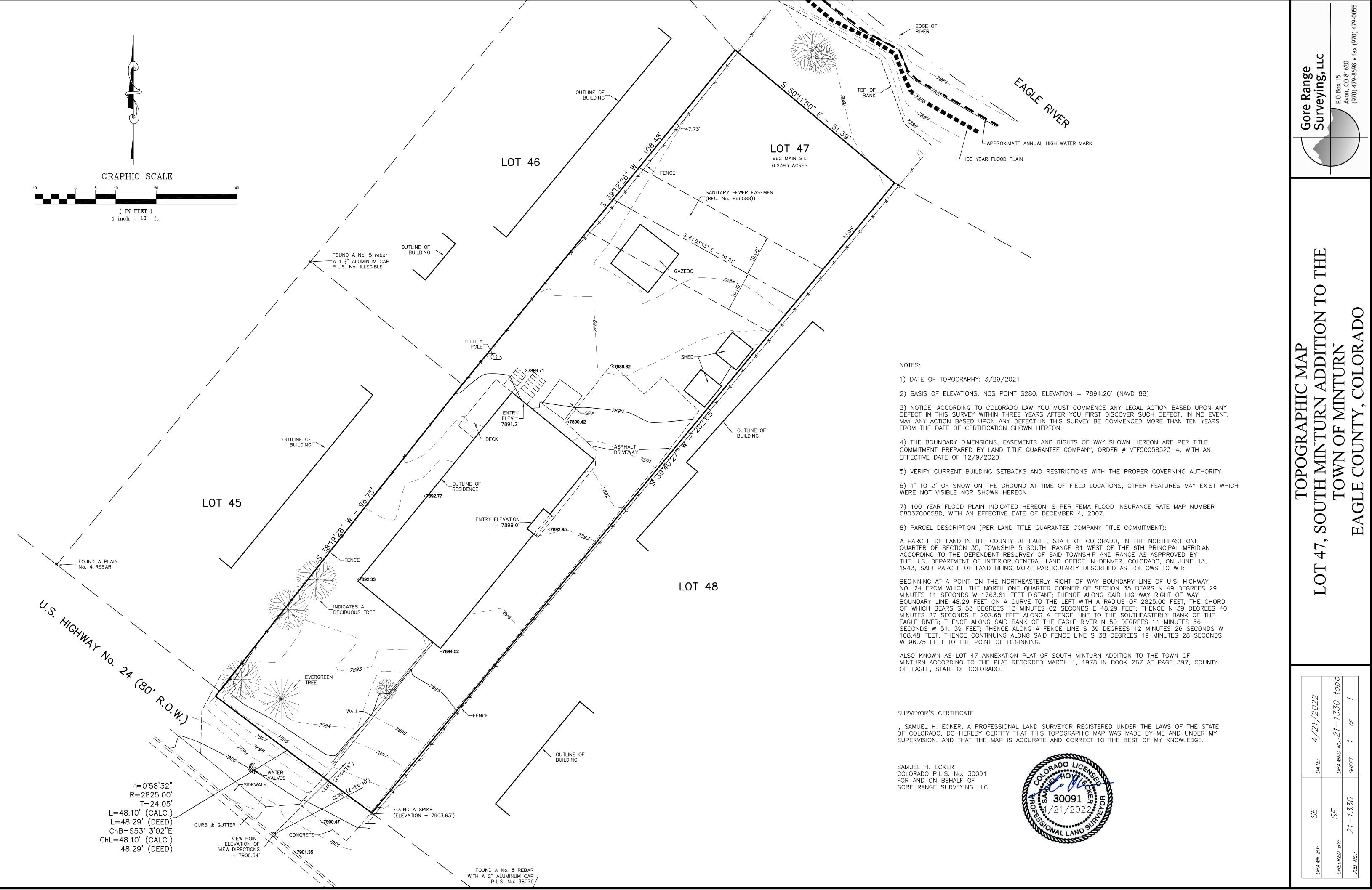
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- 33. Provide control joints as shown on drawings between expansion joints. See details.
- 34. Sleeves and conduits shall be installed 18 in. below finished grade and shall extend 12 in. beyond back of curbs, walls and paving.
- 35. Retaining walls (boulder, concrete, etc.) over 4'-0" in height to be designed by a Professional Engineer.



EDGE OF RIVER



Minturn Planning Department Minturn Town Center 302 Pine Street Minturn, Colorado 81645



Minturn Planning Commission Chair – Lynn Teach Jeff Armistead Michael Boyd Amanda Mire Sage Pierson Tom Priest

Design Review Board Hearing

Final Plan Review for New Driveway

759 Main Street

Hearing Date:	August 9, 2023
File Name and Process:	Bianchi Driveway Final Plan Review
Owner/Applicant:	SBR Investments LLC
Representative:	Jeff Armistead, 10 th Mountain Builders
Legal Description:	South Minturn Estates, Lot 2
Address:	759 Main Street
Zoning:	Martin Creek Character Area – Residential Estate Zone District
Staff Member:	Madison Harris, Planner I
Staff Member:	Madison Harris, Planner I
Recommendation:	Approval, with Conditions

Staff Report

I. <u>Summary of Request</u>:

The Applicant, Jeff Armistead, requests Final Plan review of a new, driveway located at 759 Main Street in the Martin Creek Residential Estate Zone District. The Applicant has been proactive in meeting with Town staff prior to submitting plans for the driveway and has provided a relatively complete and thorough set of site and landscaping plans.

Proposed Plans

The plans show a winding driveway up to the flatter portion of the lot at the top. This is coming to the Planning Commission as a driveway falls within Chapter 16's definition of development: "*Development* means any manmade change to improved or unimproved real estate, including but not limited to construction, demolition, renovation, rehabilitation, mining, dredging, filling, grading, paving, excavation or drilling operations."

According to staff's analysis of development standards and dimensional limitations in Section III below the project appears to meet the Town's standards.

Staff believes that the Town has been provided a complete, detailed set of plans necessary to complete a thorough final plan review.

As a reminder, the Planning Commission has the option to review the proposal as a "conceptual" plan review if the Commission feels that the plans are *not* sufficient or are in need of revisions and additional review prior to final plan approval; or, the Commission may take action to approve, approve with conditions, or deny the Final Plans.

Staff is **recommending approval**, with conditions.

II. <u>Summary of Process and Code Requirements</u>:

This is a final plan-level of review for a new driveway on a legally created lot within the Town of Minturn. This is a formal hearing providing the Applicant and staff the opportunity to discuss the proposal with the Planning Commission, acting as the Design Review Board, and to address the DRB's concerns or feedback regarding suggested revisions to the project.

If the DRB feels that the plans are complete, appropriate, and meet the intent and purposes of the Minturn Municipal Code, Chapter 16, the DRB has the option to take final action to approve or approve with specific conditions and giving the Applicant and staff clear direction on any recommended revisions to the plans.

No variances are required or requested at this time.

Design Review Process

Appendix 'B' of the Minturn Municipal Code, Section 16-21-615 - *Design Review Applications*, subsection "d" below outlines the criteria and findings necessary for DRB review and approval of all new, major development proposals:

(d) Administrative procedure.

- (1) Upon receipt of a completed and proper application, the application for Design Review will be scheduled for a public hearing. The hearing will be conducted in accordance with the procedures set forth in this Chapter.
- (2) Criteria and findings. Before acting on a Design Review application, the Planning Commission, acting as the Design Review Board (DRB), shall consider the following factors with respect to the proposal:
 - a. The proposal's adherence to the Town's zoning regulations.
 - b. The proposal's adherence to the applicable goals and objectives of the Community Plan.
 - c. The proposal's adherence to the Design Standards.

- (3) Necessary findings. The Design Review Board shall make the following findings before approving a Design Review application:
 - a. That the proposal is in conformance with the Town zoning regulations.
 - b. That the proposal helps achieve the goals and objectives of the Community Plan.
 - c. That the proposal complies with the Design Standards.

Staff suggests that the final plans for 759 Main Street meet or can be revised to meet the required findings 'a,' 'b,' and 'c' or subparagraph 3 - Necessary findings - with proposed conditions of approval.

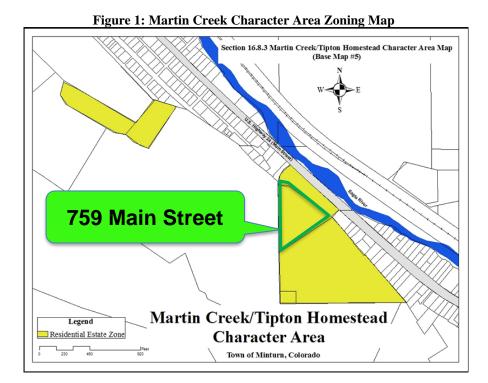
III. Zoning Analysis:

Zoning

The subject property is located within the "Martin Creek Character Area" Residential Estate Zone District, described as follows:

- (a) This area is on a north-facing hillside with significant vegetation. The area is characterized by single-family residences on larger lots with some nonconforming uses near Highway 24. The residences are typically one (1) and two (2) stories, with outbuildings and significant setbacks between structures.
- (b) The purpose of this zone is to provide land for larger lots and larger homes. The objective is to remain low density, maintain significant open space and provide the opportunity for a rural lifestyle.

- Town of Minturn Town Code Section 16-8-20



IV. Applicable Standards and Design Guideline Criteria:

Sec. 16-17-70. – Hillside building regulations.

- (1) A soils report with foundation and site retention recommendations prepared by and bearing the seal of a registered professional engineer shall be provided prior to the issuance of a building permit.
- (2) A topographic survey prepared by a registered surveyor, with contour intervals of not more than two (2) feet, shall be submitted with the Design Review Board application.
- (3) Structures must be designed by a licensed architect.
- (4) In order to protect the natural landform and vegetation on steep slopes, not more than sixty percent (60%) of the total site area may be disturbed from present conditions by construction activities. The Planning Commission may approve site disturbance in excess of the sixty-percent maximum if specific design criteria warrant the extent of the requested deviation.
- (5) Hillside development should be complementary to the natural grade of the site and should avoid excessive excavation or hillside removal which, upon completion of construction, would result in a dramatic alteration to the site's natural topography.
- (6) A site grading and drainage plan, prepared by a licensed civil engineer, shall be required.
- (7) A detailed plan of retaining walls or cuts and fills in excess of five (5) feet, prepared by a licensed engineer, shall be required.
- (8) A detailed revegetation plan must be submitted prior to the issuance of a building permit.

Staff Response:

The Town Engineer, Planning Department, and Public Works have reviewed this application in accordance with engineering standards, road standards, and the hillside building regulations. While there are items still for the applicant to address before the building/grading permit, these plans have been deemed sufficient for Planning Commission discussion.

The applicant has provided an erosion plan with site retention practices included, a topographic survey, there are no structures proposed at this time, the Applicant has stated they will not be disturbing more than 60% of the land, a grading plan has been provided, a revegetation plan has been provided, there is engineering remaining to be accomplished before grading permit (see letter from Town Engineer dated July 11, 2023).

What has been provided appears to meet, or can be designed to meet, the criteria within the Municipal Code.

V. <u>Issues and Areas of Non-Conformance</u>:

Engineering

Staff recommends a condition of approval that requires the Applicant to provide final, detailed designs for all site work - specifically any retaining walls (engineered if over 4' in height), drainage or other facilities. (IME letter dated July 11, 2023).

Staff referred this final plan to the Town Engineer (Intermountain Engineering) for comments. The Town Engineer's comments are provided as an attachment to this staff report.

VI. <u>Staff Recommendation and Suggested Conditions</u>:

Staff suggests that the Final Plans for the Bianchi Driveway, 759 Main Street, as conditioned below, generally **comply** with the applicable provisions and/or minimum standards of Chapter 16 of the Minturn Town Code.

Staff is **recommending approval** of the plans, with the following recommended condition(s):

1. The Applicant shall work with the Town to address Inter-Mountain Engineering's comments dated July 11, 2023, prior to any application for development permits.



Madison Harris Town of Minturn Planner PO Box 309 Minturn, CO 81645

Re: Lot 2, South Minturn Estates 759 Main Street DRB Submittal Review – June 15, 2023 additional information

Project No. 20-0061

Dear Madison:

We reviewed the June 15, 2023 additional information submitted for the driveway of Lot 2 South Minturn Estates for compliance with the engineering requirements of Section 16-21-165; Design Review applications and Section 16-25-270 Submission Requirements for all permit applications; waivers of the Minturn Municipal Code (MMC). The applicant responses are in red; our comments are in green below.

MMC Section 16-21-615 Section C:

Section (C) (2) Boundary Survey:

- A Boundary Survey has not been included with the application. Please see attached survey.
 - An ALTA/NSPS Land Title Survey has been submitted. The survey meets the MMC boundary survey requirement.
- A title report was not included in the materials provided. Please see attached title report.
 - The survey refers to a May 22, 2023 title commitment for Land Title Guarantee Company; however, the commitment was not included in the materials provided to this office. Please provide a copy to confirm all exceptions are shown on the survey.

Section (C) (3) Site Plan:

<u>"South Minturn Estates Lot 2; Sewer, Water, & Grading Plans</u>" prepared by Marcin Engineering LLC dated August 2022 were submitted with this application. Please note the engineer's seal on the cover is dated 3/16/23:

• The plans provided are missing several required items: Acknowledged

VAIL VALLEY OFFICE

30 Benchmark Road, Suite 216 | PO Box 978 | Avon, CO 81620

19

Madison Harris

Re: Lot 2, South Minturn Estates

759 Main Street

DRB Submittal Review – June 15, 2023 additional information

Project No. 20-0061

- f. Driveways and parking areas. Indicate finished surface, heated or unheated, grade, percent slope, dimensions, turning radii and spot elevations at the property line. See sheet C-4
 - The requested information is not limited to sheet C-4 but is included in the provided plans.
 - The proposed drive will be constructed with 6 inches of class 6 roadbase and not heated.
- i. Existing and proposed retaining walls (including materials). See sheet C-10 C-13
 - Retaining walls are proposed to be constructed with boulders and/or "Redi-Rock." Redi Rock are large stacked concrete blocks. The proposed finish on the exposed surface is "Ledgestone."
 - The retaining wall details state" *Final retaining wall design shall be by a licensed structural engineer.*" These detailed designs must be submitted prior to the issuance of a grading permit.
- 1. Snow storage areas. See sheet C-29
 - Snow storage areas have been added to the plans. The proposed 5,108 square feet is roughly 25% of the area of the driveway.
- m. Landscaped areas. See sheet C-29
 - A large portion of lot 2 will be disturbed in the construction of the driveway. The plans require disturbed areas to be reseeded; however, MMC Chapter 16; Article 17, Section 16-17-70 Hillside building regulations: requires a detailed revegetation plan must be provided. The plan must include specifications for planting, plant materials and a restoration plan for the abandoned access road to the water tank.

Driveways and parking will be submitted at building permit process. The driveway finish surface will be 6" class 6 roadbase and will not be heated. Please see sheet C4-C8 for grades, percent of slope, dimensions, and spot Elevations. Please see sheet C-3 for geometric radii and other horizontal data.

Section (C) (4) Grading & Drainage Plan:

"South Minturn Estates Lot 2; Sewer, Water, & Grading Plans" prepared by Marcin Engineering LLC dated August 2022 were submitted with this application. Please note the engineer's seal on the cover is dated 3/16/23.

- The plans provided are missing several required items:
 - Drainage arrows. Include drainage arrows that show how stormwater will be routed around buildings and where stormwater will exit the property. Stormwater cannot cause damage to any adjacent property. Drainage and erosion control features needed to prevent damage must be included. Detail drainage relating to building will be submitted during Building submittal process.

1100 d 20

Madison Harris

Re: Lot 2, South Minturn Estates 759 Main Street

DRB Submittal Review – June 15, 2023 additional information

Project No. 20-0061

- No drainage arrows have been added, however additional drainage details and notes have been added to the plans instructing drainage is to be directed away from Lot 1.
- Drainage facilities. Proposed drainage facilities, such as French drains or culverts, must be shown. See sheet C-19 for retaining wall drain or culverts, must be shown. Please see sheet C-04 and C-28.
 - Retaining wall and culvert details have been added to the plans.
 - Culvert materials must be specified.
 - The retaining wall details state" *Final retaining wall design shall be by a licensed structural engineer.*" These detailed designs must be submitted prior to the issuance of a grading permit.
- Retaining walls. Retaining wall details are required and must include drainage details. Note top- and bottom-of-wall elevations at each location where the retaining wall steps up or down, and include the tallest point of the retaining wall. Please see retaining wall sheets C-04 and sheets C-10 – C-13.
 - Details for the retaining walls have been added to the plans.
 - The retaining wall details state" *Final retaining wall design shall be by a licensed structural engineer.*" These detailed designs must be submitted prior to the issuance of a grading permit.

MMC Section 16-25-270:

The application package includes a signed application for a Grading Permit. The revision dates on the "South Minturn Estates Lot 2; Sewer, Water, & Grading Plans" match the dates on the plans submitted and reviewed with the Grading Permit application in August of 2022 and again in March of 2023. We spot checked several sheets to confirm they are the same plans as reviewed previously. The questions & comments should be addressed prior to the application being reviewed by the Planning Commission.

Addressing the questions & comments raised in the attached October 21, 2022 letter will provide the information necessary for both the DRB and Grading Permit applications.

• Please refer to updated comments in the attached letter.

Please feel free to contact us if you have additional questions.

Respectfully, Inter-Mountain Engineering (Town Engineer)

Jeffery M. Spanel PE CC: Michelle Metteer, Scot Hunn



Madison Harris Town of Minturn Planner PO Box 309 Minturn, CO 81645

Re: Engineering Review - June 15, 2023 resubmittal. Sewer, water & grading plans (August 2022) Lot 2 South Minturn Estates, Minturn, CO. Project No. 20-0061

Dear Madison:

We reviewed the August 2022 <u>Sewer Water & Grading Plans</u>, revised June 15, 2023, prepared by Marcin Engineering. The applicant responses are in red; our comments are in green below. Please note the applicant response is satisfactory where no comment is offered.

General:

- 1. The plans are sealed by the engineer of record, but noted "Not for Construction," Changed the plans from "Not for Construction to "For Construction."
- 2. Please verify contacts & revise the coversheet:
 - a. Madison Harris is the representative for the Town of Minturn. Contact information corrected.
 - b. General Note 2 should include the Eagle River Water & Sanitation District (ERWSD). Added ERWSD to Note 2 please see sheet C-1.
 - c. A contact for Holy Cross Energy is provided Please verify, Xcel Energy is typically the electrical power provider in Minturn. Revised utility contact to Xcel Energy.
- 3. Plans are adequate to demonstrate design intent; however additional details should be provided for construction for example:
 - a. Suggest running a "Spell Check." Acknowledged.
 - b. Stationing and contour labels are missing on some sheets please include the labeling on each plan sheet. Added stationing to appropriate sheets.
 - c. Suggest checking legibility notes & dimensions cross over one another. Acknowledged.
- 4. Please provide technical specifications for road & utility construction. The Town of Minturn uses ERWSD standard specifications for water main construction. Road and Utility Construction Specifications are described in the notes on the cover sheet of the construction plans. Minturn Municipal code, CDOT specifications and Utility Company specifications.

Madison Harris

Re: Engineering Review - June 15, 2023 resubmittal. Sewer, water & grading plans (August 2022) Lot 2 South Minturn Estates, Minturn, CO.

Project No. 20-0061

- 5. The shallow utilities to the water tank will be disturbed during road construction please provide shallow utility plans to assure continuous service. We provided temporary overhead service to assure continuous service. Please see C-15 overall utility plan.
- 6. Please review detail sheet C-22. The detail labeled "Inlet Protection" is for corrosion protection of water lines and should be relabeled and moved to the water details. Detail relabeled.

Drainage & Grading:

- 1. Please provide the drainage explanation included in the September 15 response in a separate letter with the "Drainage Summary 25-yr" summary provided in the May 27 submittal as an exhibit. The engineer of record should seal the consolidated drainage letter. Please see attached letter.
- 2. Please note if the disturbance area will require a Storm Water Discharge Permit (SWMP). The disturbance area is over 1 acre so therefore a Storm Water Discharge Permit (SWMP) will be required. The contractor will be responsible for applying for a Storm Water Discharge Permit (SWMP) prior starting construction.
 - **a.** A copy of the State issued SWMP must be submitted to the Town prior to the issuance of a grading permit.
- 3. Additional grading detail should be provided for example.
 - a. The culvert crossing at the tank road intersection drains onto a steep (1.5:1) embankment. Please provide erosion control details. We will be providing riprap and an erosion control blanket to stabilize the 1.5:1 slope (see sheet C-20).
 - b. The roadside ditch on the northeast side of the drive ends at roughly Sta 2+00. Provide details to protect the improvements & structures on the adjacent property. The majority of the storm water will be captured and diverted to the northwest end of the site into an intercept ditch and culverted under the proposed driveway road to the existing drainage channel at the west end of the site. The remaining storm water will follow the historic patterns.
 - c. Please provide grading detail at the inside of the curve at Sta 3+00. The plan currently notes "Grade to Drain" We graded out a ditch and provided riprap. Please see sheet C-4.
 - d. Please provide a standard detail for the drainage ditches showing side slope conditions, lining etc. She sheet C-19.
 - e. Please provide specifications for culvert materials. Culvert material will be HDPE.i. HDPE is acceptable. Please add the material specification to the plans.
- 4. The Grading Plan depicts slopes of 1.5:1 and retaining walls exceeding 5' in height. Please provide reports and designs from qualified, licensed engineers providing slope stability, retaining wall design & erosion protection requirements in accordance with <u>MMC Chapter</u>

Madison Harris

Re: Engineering Review - June 15, 2023 resubmittal. Sewer, water & grading plans (August 2022) Lot 2 South Minturn Estates, Minturn, CO.

Project No. 20-0061

<u>16; Article 17, Section 16-17-70 Hillside building regulations:</u> Please reference geotechnical report. Hillside building regulations will be addressed during building permit process.

- *a*. A preliminary Geotechnical Engineering Study dated August 30, 2017 by Kumar & Associates Inc. is included in the submittal.
 - i. Proposed grading is generally consistent with the recommendations of the report: <u>"Permanent unretained cut and fill slopes should be</u> <u>graded at 2 horizontal to 1 vertical or flatter and protected against</u> <u>erosion by revegetation or other means. Steeper cut slopes up to 1¹/₂</u> <u>horizontal to I vertical may be feasible and should be further</u> <u>evaluated at the time of excavation."</u>
- b. The detailed revegetation plan required by MMC Chapter 16; Article 17, Section 16-17-70 Hillside building regulations must include specifications and locations for erosion control fabric.:
- c. From the report <u>"This report has been prepared for the exclusive use</u> by our client for planning and preliminary design purposes. We are not responsible for technical interpretations by others of our information. As the project evolves, we should provide continued consultation and field service during construction to review and monitor the implementation of our recommendations, and to verify that the recommendations have been appropriately interpreted."
 - i. Ongoing consulting & site observations are required. The Town must be provided copies of all such reports.

The following requirements shall apply to all developments on slopes greater than or equal to thirty percent (30%). Land sloping in excess of forty percent (40%) shall not be considered suitable for development unless a variance permit is issued pursuant to this Chapter.

- <u>A soils report with foundation and site retention recommendations</u> prepared by and bearing the seal of a registered professional engineer shall be provided prior to the issuance of a building permit.
 a. See Drainage & Grading item 4 above.
- <u>A soils report with foundation and site retention recommendations</u> prepared by and bearing the seal of a registered professional engineer shall be provided prior to the issuance of a building permit.
 a. See Drainage & Grading item 4 above.

VAIL VALLEY OFFICE 30 Benchmark Road, Suite 216 | PO Box 978 | Avon, CO 81620

July 11, 2023 Madison Harris

Re: Engineering Review - June 15, 2023 resubmittal. Sewer, water & grading plans (August 2022) Lot 2 South Minturn Estates, Minturn, CO.

Project No. 20-0061

- 3. <u>A topographic survey prepared by a registered surveyor,</u> with contour intervals of not more than two (2) feet, shall be submitted with the Design Review Board application.
 - a. Survey has been provided, however the title report referenced on the survey must be provided to verify all exceptions have been shown.
- 4. <u>Structures must be designed by a licensed architect. In order</u> <u>to protect the natural landform and vegetation on steep</u> <u>slopes, not more than sixty percent (60%) of the total site</u> <u>area may be disturbed from present conditions by</u> <u>construction activities. The Planning Commission may</u> <u>approve site disturbance in excess of the sixty-percent</u> <u>maximum if specific design criteria warrant the extent of the</u> <u>requested deviation.</u>
 - a. Engineer should verify less than 60% of the site will be disturbed by the proposed road construction.
- 5. <u>Hillside development should be complementary to the</u> <u>natural grade of the site and should avoid excessive</u> <u>excavation or hillside removal which, upon completion of</u> <u>construction, would result in a dramatic alteration to the</u> <u>site's natural topography.</u>
- 6. <u>A site grading and drainage plan, prepared by a licensed</u> <u>civil engineer, shall be required.</u>
 - a. Refer to Drainage & Grading comments above.
- 7. <u>A detailed plan of retaining walls or cuts and fills in excess</u> of five (5) feet, prepared by a licensed engineer, shall be required.
 - a. Details for the retaining walls have been added to the plans.
 - b. The retaining wall details state" Final retaining wall design shall be by a licensed structural engineer." These detailed designs must be submitted prior to the issuance of a grading permit.
- 8. <u>A detailed revegetation plan must be submitted prior to the</u> *issuance of a building permit.*
 - a. The plans require disturbed areas to be reseeded; however, MMC Chapter 16; Article 17, Section 16-17-70 Hillside building regulations: requires a

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DENVER OFFICE 9618 Brook Hill Lane | Lone Tree, CO 80124

970.949.5072 l <u>info@inter-mtn.net</u>

July 11, 2023 Madison Harris

Re: Engineering Review - June 15, 2023 resubmittal. Sewer, water & grading plans (August 2022) Lot 2 South Minturn Estates, Minturn, CO.

Project No. 20-0061

detailed revegetation plan must be provided. The plan must include specifications for planting, plant materials and a restoration plan for the abandoned access road to the water tank.

5. A boulder wall is called out from Sta 1+85 t0 2+55 on sheets C-7 & C-10. It is not shown on the grading or in the cross sections. This note may be a carryover from a previous design? Boulder wall note has been removed.

Driveway:

- The proposed driveway includes grades of 12% and centerline curve radiuses of 36 feet which do not meet the requirements of the <u>Minturn Municipal Code (MMC) Appendix C;</u> <u>Chapter 4; Section 1.03 – Driveways.</u> The Code states: <u>"Access by Emergency Vehicles: All</u> <u>dwellings and other structures shall be accessible by emergency vehicles. A maximum grade</u> <u>of eight (8) percent and a minimum centerline radius of forty-five (45) feet are recommended</u> <u>for driveways on north-facing slopes. On south-facing slopes, a maximum grade of ten (10)</u> <u>percent and a minimum centerline radius of forty-five (45) feet is recommended. Curves</u> <u>should be widened generously in both circumstances."</u>
- 2. The applicant has provided the following information in support of a variance to the MMC requirements:
 - a. Referral comments from the ERFPD:
 - *i.* <u>The grade of access exceeds the 10% grade as found in IFC 2021 Appendix D.</u> That may delay or obstruct access when wet or frozen.
 - *ii. The site plan road width meets requirements of IFC 2021.*
 - *iii. Pull offs and a turnaround will be in place as required by IFC 2021.*
 - b. MMC Section 17-2-10; Mountaintop Road Standards allow a maximum grade of 12% up to 15% for 200' segments. Acknowledged.
 - c. "Auto Turn" analysis has been provided demonstrating access for both the Town dump truck and a fire truck. Curve widening has been provided to accommodate access for these vehicles. Acknowledged.
 - d. Given the information provided, we are comfortable with a variance to the MMC Driveway design standards. Acknowledged.
- 3. Intersection with existing access road to water tank:
 - a. Plans call for widening the road at the water tank access will the road platform be widened? The shoulder will be widened to accommodate water tank access.
 - i. Sheet C-4 includes the note "*Widen road 5' for town dump truck turning*". Please show the extents of the widening.
 - b. Near the intersection of the water tank road there is a turn out, road widening, and a short northerly extension of the existing tank road. We suggest reviewing to

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Madison Harris

Re: Engineering Review - June 15, 2023 resubmittal. Sewer, water & grading plans (August 2022) Lot 2 South Minturn Estates, Minturn, CO.

Project No. 20-0061

determine if these can be simplified and combined into a single improvement. We eliminated the short northerly extension turnout to simplify the improvement.

- i. The short extension is still shown. This was a suggestion the segment can remain.
- c. What is planned for the abandoned section of the existing tank road? The abandoned section of the tank road will remain in place in the event that the town preserve the water tank mains as a potential use or site for secondary tank.
 - i. The Town will continue to use the water tank. The construction proposed by these plans replaces the tank road, water line and shallow utilities from approximately station 0+00 to 10+00. The existing water line should be removed or properly abandoned as shown on sheet C-18 and the abandoned portion of the existing tank road reclaimed. The access & utility easement to the water tank must be revised to match the location of the proposed driveway.
- 4. A question was raised regarding an easement for this driveway as it crosses Lot 1. The Final Plat; South Minturn Estates; Minor Subdivision; A Resubdivision of Parcel A, South Minturn Estates, Town of Minturn County of Eagle, State of Colorado, recorded July 15th, 1999, as Reception Number 702733 specifically reserves an access & utility easement across Lot 1 for the benefit of Lot 2. Acknowledged
- 5. Please provide typical cross sections for both the asphalt & gravel roadway sections, showing width, shoulders, pavement & base thickness as well as subgrade preparation. Please see typical road section detail sheet C-19.

Water Main:

- 1. Thank you for providing pothole information for the existing main.
- 2. The existing water main is the sole source of water to the Town, and when shut down, water service (including fire protection) north of the proposed connection will be terminated. Applicant referred this concern to the Eagle River Fire Protection District (ERFPD) here is their response.
 - a. <u>Fire engine availability during water outage. Engine 5 will remain in district 5</u> (Minturn) during the duration. Water Tender 125 will be assigned to District 5 for duration. Engine 7 and 3 will remain on high alert.
 - *b.* Town residents must be notified a minimum of 48 hours in advance of the water outage. Notice must provide the date, time & duration of the outage.
- 3. We believe Frank Medina's house on Parcel B of Minturn Estates is tapped into the existing 12" main. This needs to be verified and if connected to the existing main the service extended to the main in Highway 24. The cost of this extension may be a Town expense and if so, the most cost-effective way to extend the service is in conjunction with this water main

Madison Harris

Re: Engineering Review - June 15, 2023 resubmittal. Sewer, water & grading plans (August 2022) Lot 2 South Minturn Estates, Minturn, CO.

Project No. 20-0061

replacement & we suggest the Town consider entering into an agreement with the Applicant for this extension. Acknowledged.

- a. The Town will extend a new service line from US 24 to the Medina residence this summer. <u>A meeting must be scheduled ASAP to coordinate the location & easement requirements. Please suggest available times and a meeting will be scheduled.</u>
- 4. The plan shows connecting the new main to the existing main at Sta 8+00 with a Tee. What is the purpose of the Tee we do not see a reconnection. If no reconnection is planned, a 45-degree bend might be a better connection. Plans have be revised to show 45- degree connection.
- 5. Please provide details for the abandonment of the existing pipeline. Please see detail sheet C-18.
- 6. Please add stationing to locate the hydrant at approximately STA 7+50. Has the ERFPD reviewed the location of the fire hydrant? The water plan has been sent to ERFPD to review hydrant location.
 - a. ERFPD approval of the hydrant location must be provided to approve these plans.
- Please provide details and requirements for disinfecting & flushing the new water lines. The details for disinfecting and flushing of the new water line will be per the ERW&SD Section V 5.4 Disinfection.
 - a. Please note this requirement on the plans.
- 8. Please provide a standard trench section showing requirements for backfill, bedding, and the location of each pipe within the common trench. Please see standard trench detail sheet C-19.
- 9. Please provide a valve at the connection point of the private 3-inch service line.
- 10. Please clarify the termination point of the service line. The line terminates at a tee is there a plan for two taps and where will service be metered? One tap was removed.

Sanitary Sewer:

- 1. Sanitary sewer main plans have been deleted from the current set of plans. The response letter indicates the Applicant has resolved plans for septic system design with the ERWSD.
 - a. We understand a ISDS is being considered in lieu of the sewer main. Please identify the governing agency ERWSD or Eagle County Health Department?
 - b. Plans for sanitary sewer service (service line or ISDS design) should be included in this plan set.
 - i. Written approval from the ERWSD for the use of an ISDS must be provided prior to the approval of these plans.
 - ii. A copy of the approved ISDS plans must be included with the building permit application.

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July 11, 2023 Madison Harris Re: Engineering Review - June 15, 2023 resubmittal. Sewer, water & grading plans (August 2022) Lot 2 South Minturn Estates, Minturn, CO.

Project No. 20-0061

Please feel free to contact us if you have additional questions.

Respectfully, Inter-Mountain Engineering (Town Engineer)

Jeffery M. Spanel PE

CC: Michelle Metteer, Scot Hunn, Michael Sawyer, John Volk; Arnold Martinez

April 24,2023

Town Of Minturn Planning Department

Madison Harris

Dear Madison,

This property sits across the street from the Cemetery Bridge in the center of town at 759 Main Street. The property is a larger parcel that contains a steep, dirt access road used by the Town Public Works staff to get up to the water tank located on an adjacent parcel (Medina)

The current access road is only accessible in the summer months and is very steep and does not meet any current codes. The town has 2 water lines buried under the existing access road and shares an easement with the property owner. It is the intention of the property owner, SBR Investments LLC, is to construct a new driveway to safely access the upper part of the property and ultimately, build a new home at the top of the new driveway. The proposed plans will bring the new road into conformance with existing codes and will replace the existing waterlines with 2 new waterlines. The realigned road will also allow permanent year-round access for the water tank and maintenance of the new waterlines.

River View

Antico Commenter

Little Beach Park River access, playground & amphitheater

Ballpark Rd

BLUE STARLITE CINEMA SOCIAL

Ed6

Blue Starlite Mini

Vail Va Charita

Eag

Luce Tempo

Adve

Colorado Crawl Space

Google

No

in the second second

Lot 2

450 Barch Rd

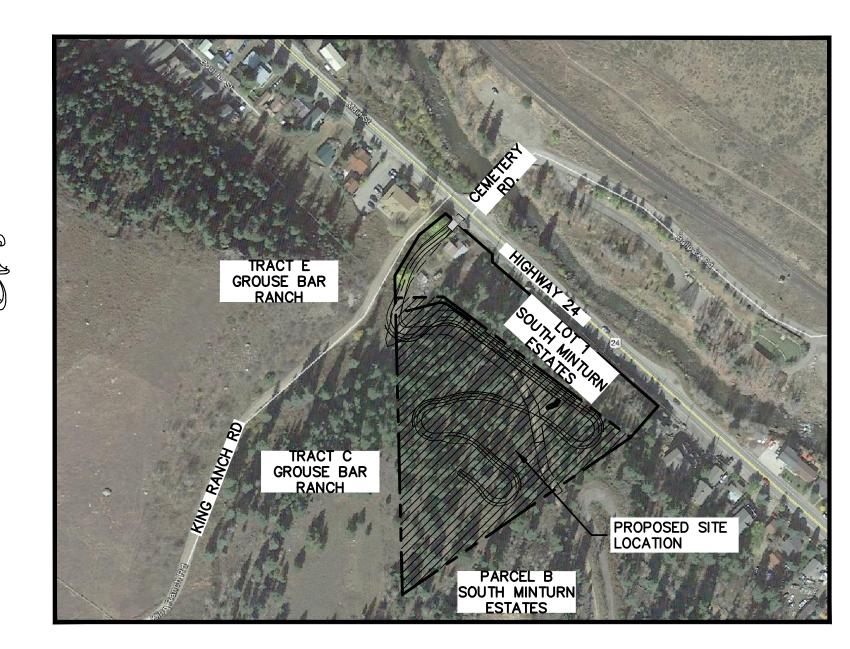
King Ranch Rd

Martin Creek

1.	THE CONTRACTOR SHALL CONFORM TO ALL TOWN OF MINTURN RULES, REGULATIONS AND STIPULATIONS WHILE ACCESSING THROUGH OR WORKING ON SITE.
2.	THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE TOWN OF MINTURN, UPPER EAGLE REGIONAL WATER AUTHORITY, ERW&SD AND THE DESIGN TEAM AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION. PLANS FOR CONSTRUCTION WILL BE DISTRIBUTED AT THIS MEETING. NO CONSTRUCTION WILL BE PERMITTED PRIOR TO THE PRE-CONSTRUCTION MEETING.
3.	THE CONTRACTOR IS WARNED THAT CONFLICTS WITH EXISTING UTILITIES MAY EXIST. PRIOR TO BEGINNING ANY CONSTRUCTION, THE CONTRACTOR SHALL CONTACT ALL APPROPRIATE UTILITY COMPANIES FOR LINE LOCATIONS, AND CONTRACTOR SHALL LOCATE ALL UTILITIES (INCLUDING DEPTH). NEITHER MARCIN ENGINEERING NOR THE OWNER ASSUME ANY RESPONSIBILITY FOR UTILITY LOCATIONS. ANY CONFLICTS WITH THE PROPOSED CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF MARCIN ENGINEERING AND THE OWNER SO THAT MINOR LINE OR GRADE CHANGES CAN BE MADE TO ELIMINATE ANY CONFLICTS WITH THESE EXISTING UTILITIES. ALL EXISTING UTILITIES SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR. UTILITIES THAT ARE DAMAGED BY THE CONTRACTOR THAT WERE PROPERLY MARKED/LOCATED SHALL BE REPAIRED BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER OR ENGINEER.
4.	CONTRACTOR SHALL OBTAIN, AT ITS OWN EXPENSE, ALL PERMITS AND INSPECTIONS, WHICH ARE NECESSARY TO PERFORM THE PROPOSED WORK. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THESE PERMITS: STORM WATER DISCHARGE PERMIT, CONSTRUCTION DEWATERING PERMIT, TOWN OF MINTURN BUILDING PERMIT, TOWN OF MINTURN BUILDING PERMIT, TOWN OF MINTURN BUILDING PERMIT, TOWN OF MINTURN RIGHT OF WAY PERMIT, ARMY CORPS OF ENGINEERS 404 PERMIT AND ANY OTHER REQUIRED PERMITS.
5.	THE CONSTRUCTION OF ALL ROADS, SIDEWALKS, CURBS, EARTHWORK AND OTHER INFRASTRUCTURE DEVELOPMENT NOT SPECIFICALLY SPECIFIED BY SEPARATE UTILITY COMPANIES, SHALL BE CONSTRUCTED TO THE TOWN OF MINTURN MUNICIPAL CODE AND COLORADO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 2011 EDITION AND LATEST REVISIONS, CDOT TRAFFIC STANDARD PROJECT PLANS, 2006 EDITION AND LATEST REVISIONS AND ANY SUPPLEMENTAL SPECIFICATIONS PROVIDED WITH THE CONTRACT. THE CONTRACTOR SHALL OBTAIN COPIES OF THESE SPECIFICATIONS AND PLANS. THE CONTRACTOR SHALL HAVE ONE COPY OF THE PLANS AND ONE COPY OF THE SPECIFICATIONS AT THE JOB SITE AT ALL
6.	TIMES. ALL SITE DEVELOPMENT WILL BE CONSTRUCTED TO THE ABOVE MENTIONED COLORADO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 2011 EDITION AND LATEST REVISIONS, AND TOWN OF MINTURN STANDARDS AS MAY BE APPLICABLE. WHEN STANDARDS CONFLICT, THE STANDARD JUDGED MOST RESTRICTIVE BY THE ENGINEER SHALL PREVAIL. THE CONTRACTOR SHALL OBTAIN COPIES OF THE TOWN OF MINTURN MUNICIPAL CODE IN IT'S MOST CURRENT EDITION AND HAVE THAT COPY ON THE SITE AT ALL TIMES.
7.	CONTRACTOR SHALL NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES. ANY MISSING DIMENSIONS OR DISCREPANCIES IN THE PLANS, FIELD STAKING OR PHYSICAL FEATURES SHALL BE BROUGHT TO THE ATTENTION OF MARCIN ENGINEERING AND THE OWNER. IF THE CONTRACTOR PROCEEDS WITH THE WORK WITHOUT NOTIFYING MARCIN ENGINEERING AND THE OWNER, HE DOES SO AT HIS OWN RISK.
8.	OBSERVATIONS OF THE WORK IN PROGRESS AND ON-SITE VISITS ARE NOT TO BE CONSTRUED AS A GUARANTEE OR WARRANTY BY MARCIN ENGINEERING OF THE CONTRACTOR'S CONTRACTUAL RESPONSIBILITIES.
9. 10	THE CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION OF STOCKPILING OF MATERIALS. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER, THE TOWN OF MINTURN, AND THE MATERIAL SUPPLIER.
11.	BENCHMARKS: CONTACT MARCIN ENGINEERING FOR BENCHMARKS.
	SAFETY IS THE RESPONSIBILITY OF THE CONTRACTOR. NEITHER MARCIN ENGINEERING OR THE TOWN OF MINTURN IS RESPONSIBLE FOR SAFETY IN, ON, OR ABOUT THE PROJECT SITE NOR FOR COMPLIANCE BY THE APPROPRIATE PARTY WITH ANY REGULATIONS RELATING THERETO. ALL UTILITY TRENCHES IN ROAD PRISM TO BE COMPACTED AND TESTED PER GEOTECHNICAL ENGINEER REQUIREMENTS.
	MATERIALS TESTING IS BY THE OWNER, BUT THE CONTRACTOR MUST NOTIFY THE GEOTECHNICAL ENGINEER, THE OWNER, AND MARCIN ENGINEERING OF SCHEDULING.
15.	THE CONTRACTOR SHALL TAKE ALL APPROPRIATE PRECAUTIONS TO SIGNIFICANTLY REDUCE ANY POTENTIAL POLLUTION CAUSED BY HIS ACTIVITIES, INCLUDING VEHICLE FUELING, STORAGE OF FERTILIZERS OR CHEMICALS, ETC. THE CONTRACTOR SHALL HAVE IDENTIFIED PROCEDURES FOR HANDLING POTENTIAL POLLUTANTS AND HAVE IDENTIFIED SPILL PREVENTION AND RESPONSE PROCEDURES PRIOR TO ANY ACTIVITIES AT THE PROJECT SITE.
16.	PROVIDED TO THE OWNER AND MARCIN ENGINEERING UPON COMPLETION OF THIS WORK. THE SURVEYED AS-BUILT INFORMATION SHALL BE CERTIFIED BY A LICENSED PROFESSIONAL ENGINEER OR SURVEYOR. THE AS-BUILT INFORMATION IS TO INCLUDE THE LOCATION AND FIELD-VERIFIED ANGLE OF DEFLECTION OF ALL PROPOSED PIPE DEFLECTIONS.
17. 18.	IF ANY GROUND WATER IS ENCOUNTERED, THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER AND THE PROJECT GEOTECHNICAL ENGINEER IMMEDIATELY. THE CONTRACTOR SHALL MAINTAIN EXISTING DRAINAGE CHANNELS, CULVERTS AND APPURTENANCES DURING CONSTRUCTION, AS NECESSARY TO PROTECT
	ROADS AND PROPERTY. ROAD AND SIDEWALK SUBGRADE SHALL BE PROOF ROLLED AND FREE OF DEFLECTION TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER. ANY
20.	FAILING AREAS SHALL BE REPAIRED AND PROOF ROLLED AGAIN UNTIL ACCEPTED BY THE GEOTECHNICAL ENGINEER WITH NO ADDITIONAL COST TO OWNER. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE REVEGETATED ACCORDING TO THE LANDSCAPE PLAN.
23.	STOCKPILED IN A LOCATION DESIGNATED BY THE OWNER. NO EXTRA PAYMENT WILL BE DUE FOR THIS ITEM OF WORK. CONTRACTOR IS RESPONSIBLE FOR DAILY CLEANING OF ALL ACCESS ROADS AND OTHER PUBLIC STREETS NECESSITATED BY HIS ACTIVITIES ON THE SITE.
	DUST CONTROL IS INCIDENTAL TO EARTHWORK CONSTRUCTION AND SHALL BE PROVIDED BY CONTRACTOR, AT NO COST TO OWNER, IN ACCORDANCE WITH THE TOWN OF MINTURN MUNICIPAL CODE.
	DISPOSAL OF TRASH, ASPHALT, CONCRETE, AND CONSTRUCTION DEBRIS IS THE RESPONSIBILITY OF THE CONTRACTOR AND CONSIDERED PART OF THE WORK. THE CONTRACTOR SHALL PROVIDE EROSION CONTROL IN ACCORDANCE WITH BEST MANAGEMENT PRACTICES AND STORM WATER DISCHARGE PERMIT.
27.	ALL CONSTRUCTION ACTIVITIES MUST COMPLY WITH THE STATE OF COLORADO PERMITTING FOR "STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY AND AIR POLLUTANT EMISSION PERMIT." FOR INFORMATION CONTACT THE COLORADO DEPARTMENT OF HEALTH, WATER QUALITY CONTROL DIVISION, WQCD-PE-B2, 4300 CHERRY CREEK DRIVE SOUTH, DENVER CO 80223 ATTENTION: PERMITS AND ENFORCEMENT SECTION, PHONE (303)-692-3590.THE CONTRACTOR IS RESPONSIBLE FOR THIS PERMIT.
	THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGMEN, OR OTHER DEVICES NECESSARY TO PROVIDE FOR PUBLIC SAFETY IN ACCORDANCE WITH THE CURRENT MUTCD CODE. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL CONSTRUCTION ZONE TRAFFIC CONTROL. EARTHWORK SHALL COMPLY WITH THESE PLANS, SOILS REPORT RECOMMENDATIONS, AND PROJECT SPECIFICATION. THE MOST RESTRICTIVE SPECIFICATION SHALL PREVAIL.
30.	THE CONTRACTOR SHALL PROTECT AND PRESERVE ALL TREES, BUSHES, SHRUBS, AND GROUND COVER, NOT DESIGNATED FOR REMOVAL, IN A MANNER ACCEPTABLE TO THE OWNER.
	ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION BY MARCIN ENGINEERING. MARCIN ENGINEERING RESERVES THE RIGHT TO ACCEPT OR REJECT ANY SUCH MATERIALS AND WORKMANSHIP THAT DO NOT CONFORM TO THE APPROVED DRAWINGS AND/OR SPECIFICATIONS.
32.	CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO ASSURE NO WILDLAND FIRES ARE STARTED AS A RESULT OF HIS ACTIVITIES. CONTRACTOR IS REQUIRED TO PROVIDE AND MAINTAIN ADEQUATE FIRE EXTINGUISHER EQUIPMENT ON SITE, AS NECESSARY TO SATISFY LOCAL FIRE DEPARTMENT REQUIREMENTS FOR JOB SITE AND WILDLAND FIRE SUPPRESSION.
34.	ALL CONSTRUCTION MUST ADHERE TO ALL PERMIT REQUIREMENTS AND ALL CONDITIONS THERETO OF ALL APPLICABLE PERMITS FOR THE WORK. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTORS TO PROTECT THE WATER MAIN, VALVES AND OTHER APPURTENANCES AFTER THE 3'-4' SUBGRADE SECTIONS, TRENCHES AND WATER MAIN INFRASTRUCTURE INSTALLED. PROTECTION OF THE WATER MAIN INFRASTRUCTURE, APPURTENANCES SHALL REMAIN IN EFFECT PRIOR TO TESTING AND ACCEPTANCE BY THE DISTRICT, WHICH WILL NOT OCCUR UNTIL REMAINDER OF THE SUBGRADE SECTION IS ACHIEVED.
30.	FUTURE SEWER CONSTRUCTION ABOVE POTABLE WATER MAINS SHALL ADHERE TO ALL APPLICABLE REGULATIONS INCLUDING UTILIZING PRESSURE PIPE ETC.

SOUTH MINTURN ESTATES LOT 2 SEWER, WATER & GRADING PLANS MINTURN, COLORADO JUNE, 2022

VICINITY MAP APPROXIMATE SCALE: 1"=200'



C-1 C-2 C– C-2 C-2 C-2

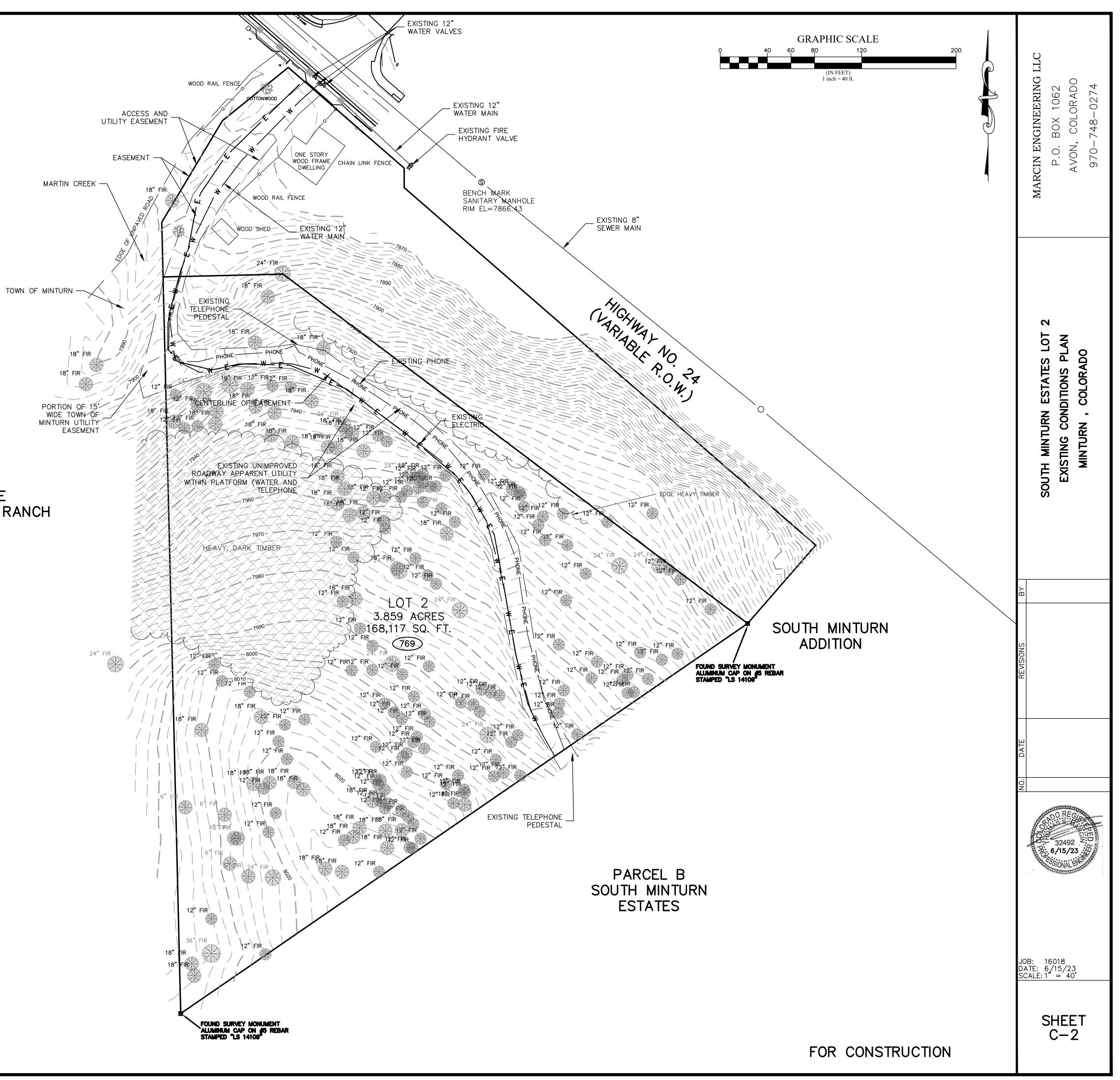
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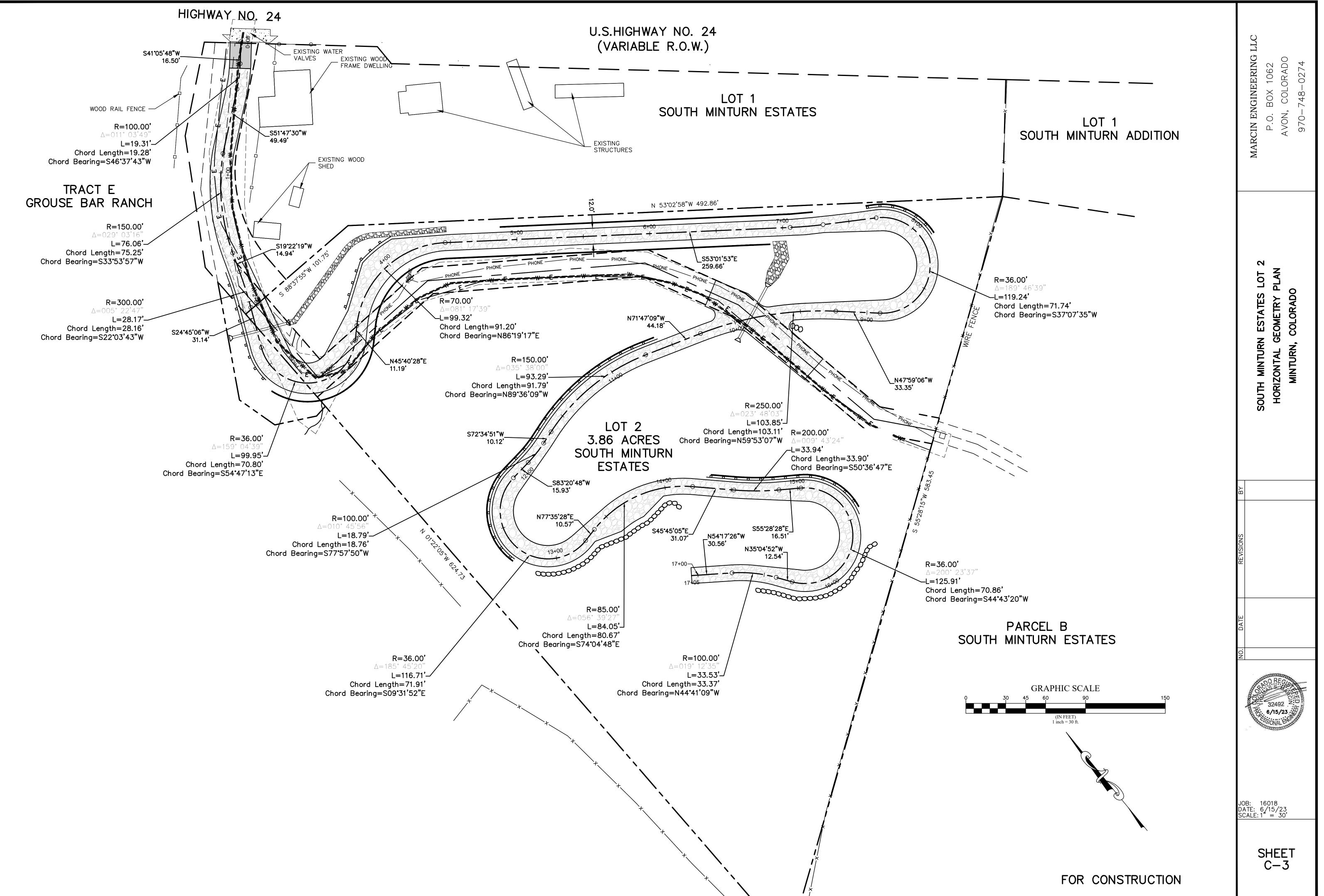
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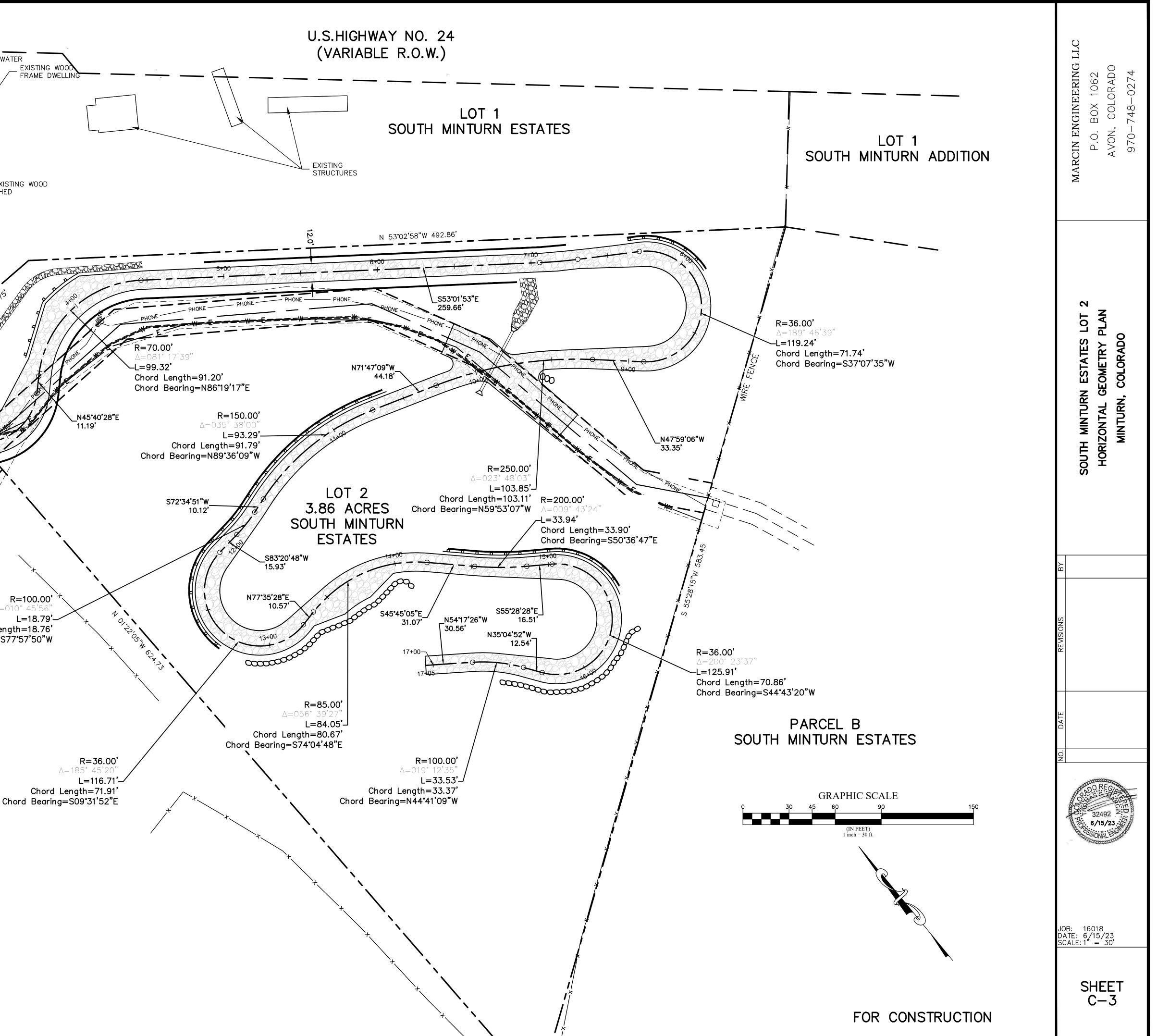
- 2 ANS	MARCIN ENGINEERING LLC P.O. BOX 1062 AVON, COLORADO 970-748-0274
SHEEET INDEEX 9 COVER SHEET 9 COVER SHEET SHAN MOD PROFILE SHEET	SOUTH MINTURN ESTATES LOT 2 COVER SHEET MINTURN, COLORADO
D. Utility Notifiedtion Center of Colorado, (UNCC) 811 DUSCEDENTIFICATION DESCRIPTION OF SUBJECT OF THE CONTROL OF FUGITIVE DUST AND TO INCORPORATE THE FOLLOWING: A ALL UNPAVED ROADS AND OTHER DISTURBED AREAS ON SITE SHALL BE WATERED TO MINIMIZE FUGITIVE DUST. S. HALL ORADS SHALL BE TREATED WITH MAGNESIUM CHLORIDE IF WATER IS NOT CONTROLLING THE DUST. A HALL ROADS SHALL BE TREATED WITH MAGNESIUM CHLORIDE IF WATER IS NOT CONTROLLING THE DUST. A ALL DISTURBED SOIL SHALL BE COMPACTED ON A DAILY BASIS TO WITHIN 90% OF MAXIMUM COMPACTION. A ALL DISTURBED SURFACE AREAS SHALL BE REVEGETATED AS SOON AS POSSIBLE. MUD AND DIRT CARRYOUT ONTO PAVED SURFACES SHALL BE PREVENTED. ANY MUD AND DIRT CARRYOUT ONTO PAVED SURFACES SHALL BE CLEANED UP DAILY. NO EARTHWORK ACTIVITES SHALL BE PREFORMED WHEN THE WIND SPEED EXCEEDS 30 MPH. TORYN RESIDENCE MUST BE NOT FOR BE NOTIFIED A MINIMUM 48 HOURS IN ADVANCE OF THE WATER BUDY AND AND COMPACIDE. OUTAGE, NOTICE MUST PROVIDE	U SNOISNA JUNE NO NO NO NO NO NO NO NO NO NO NO NO NO
THE DATE, TIME AND DURATION OF THE OUTAGE FOR CONSTRUCTION	JOB: 16018 DATE: 6/15/23 SCALE: N/A SHEET C-1

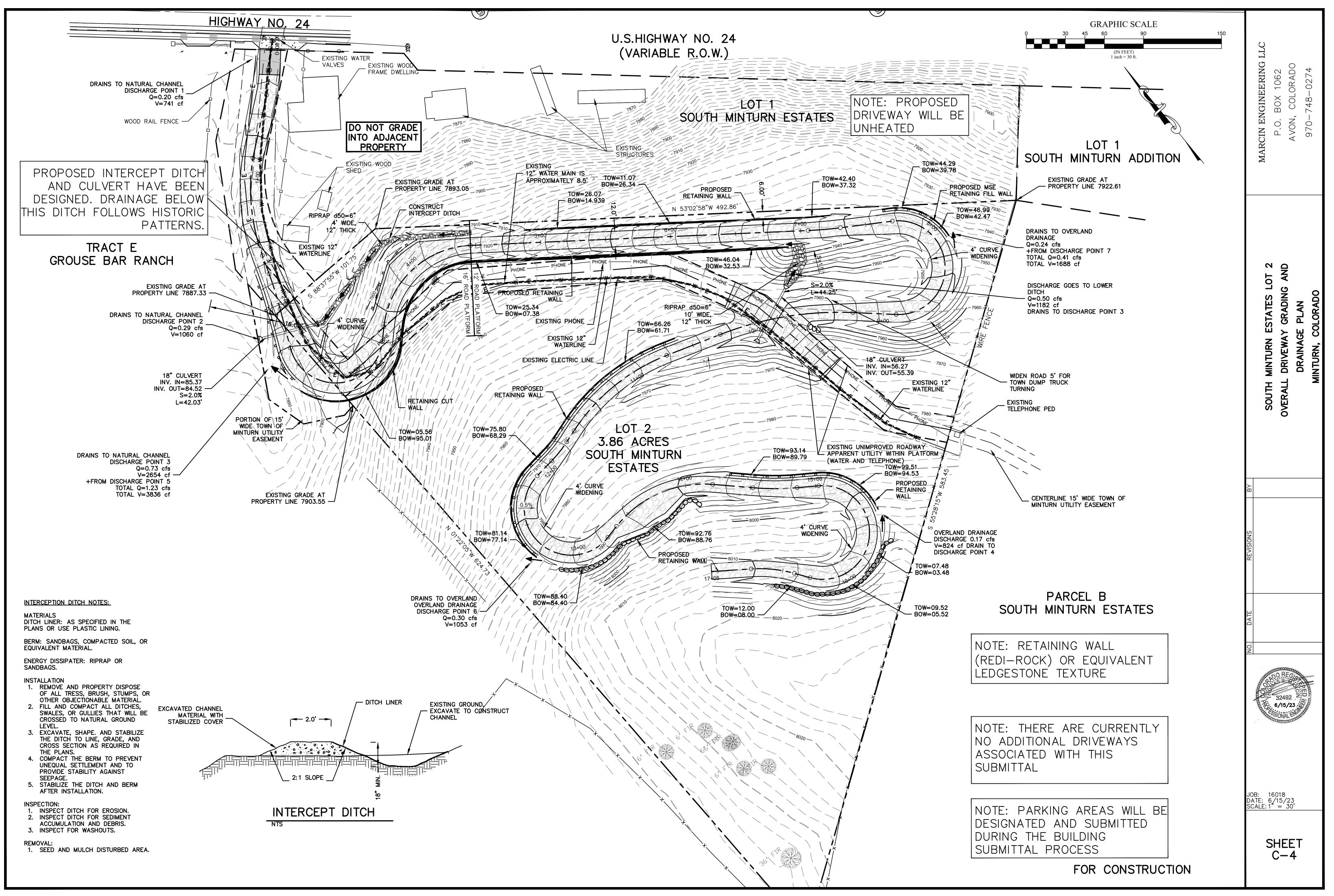
MNG: D:\Projects\16018-Minturn Estates Lot-2\dwg\Single Family Home\dwg\Sheets\16018-S-Ex-Condtions Plan

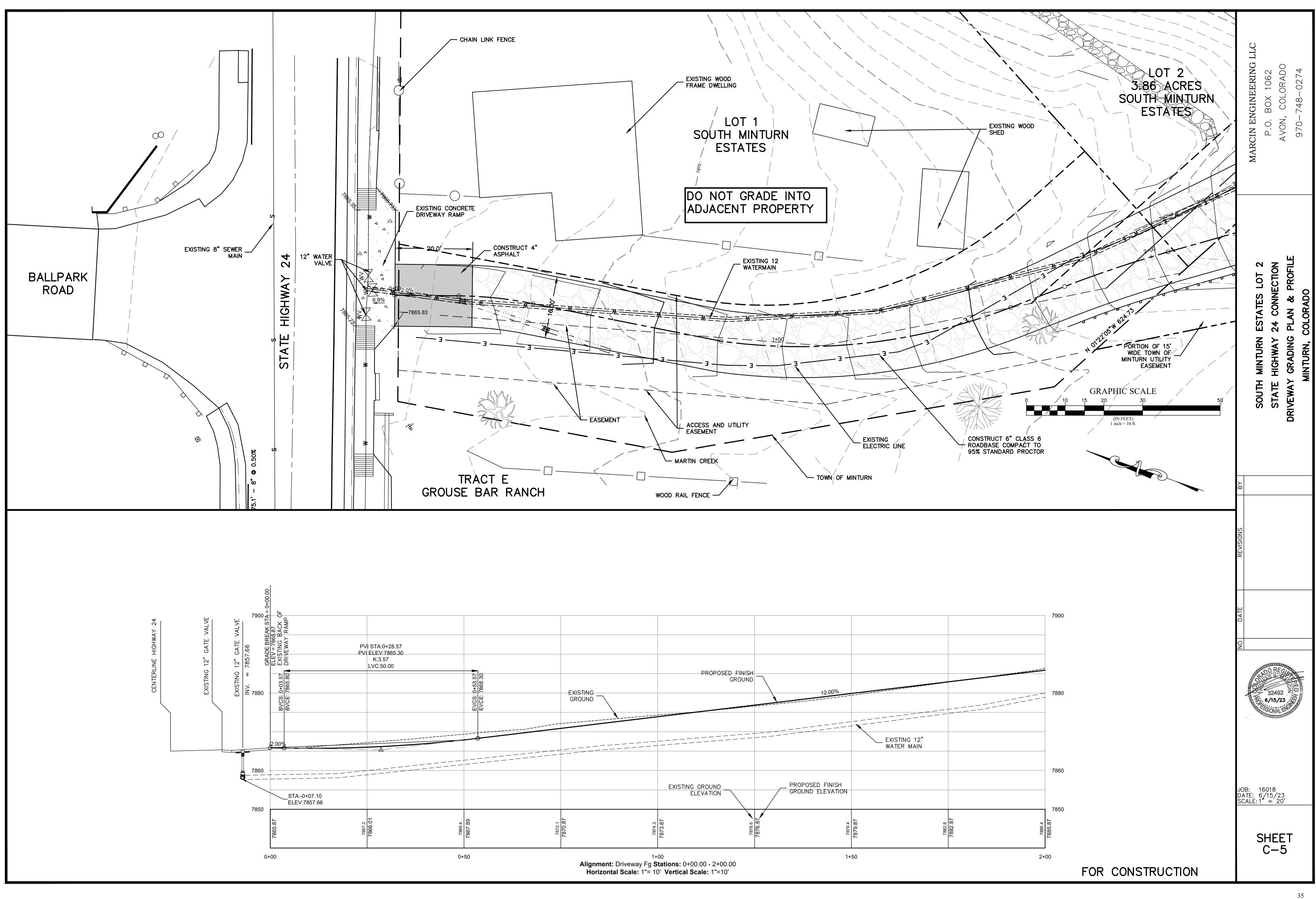
TRACT E GROUSE BAR RANCH

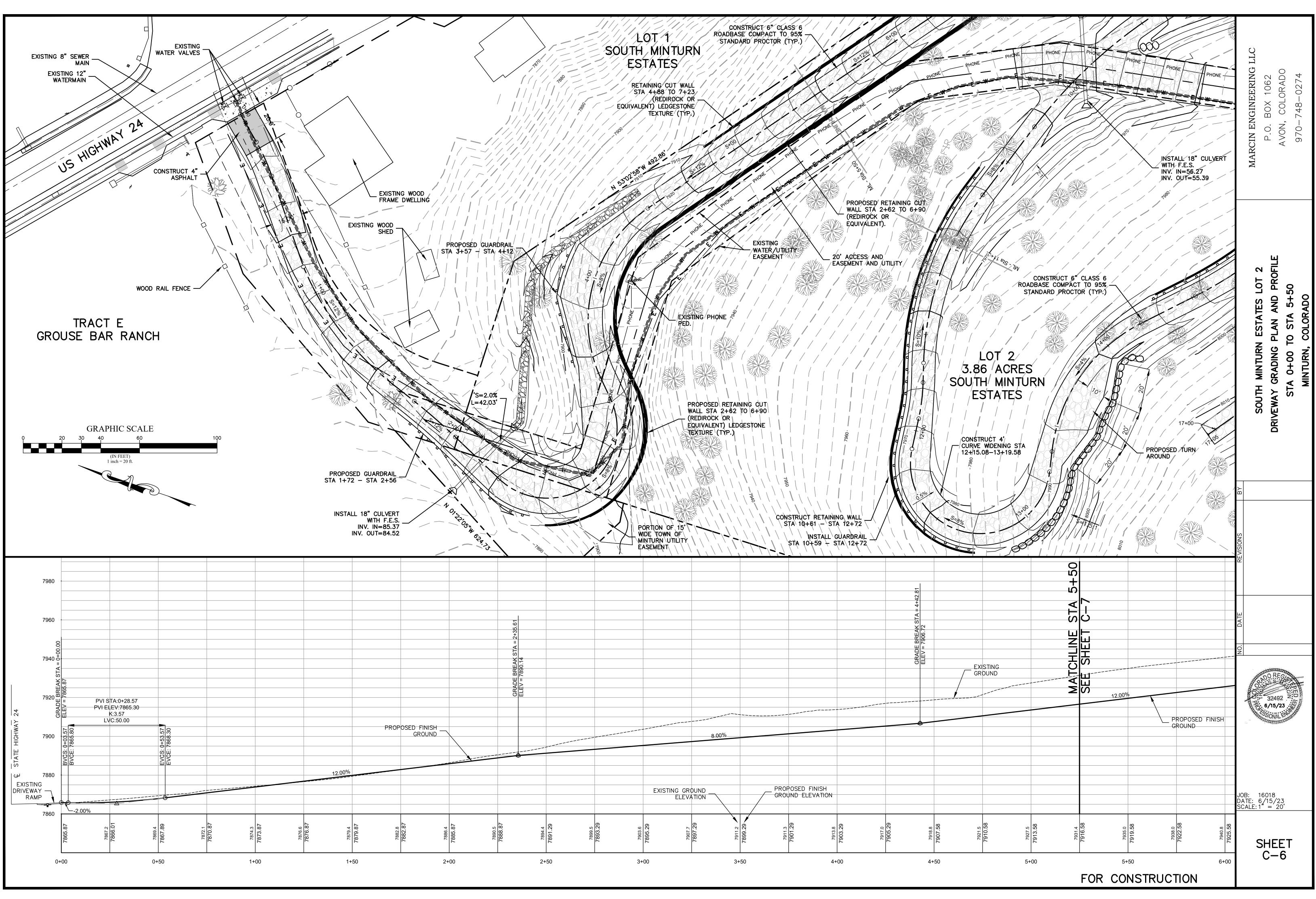


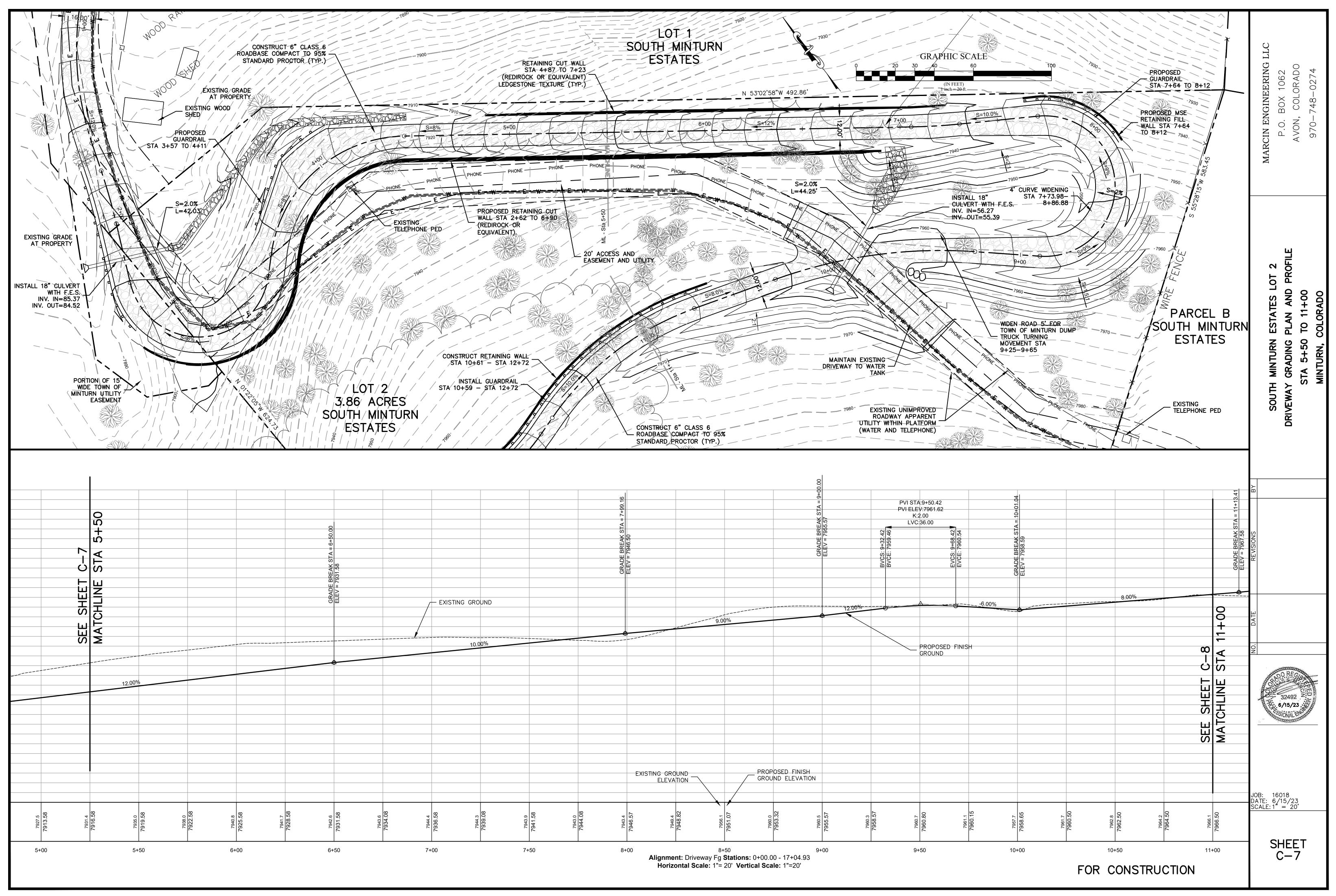


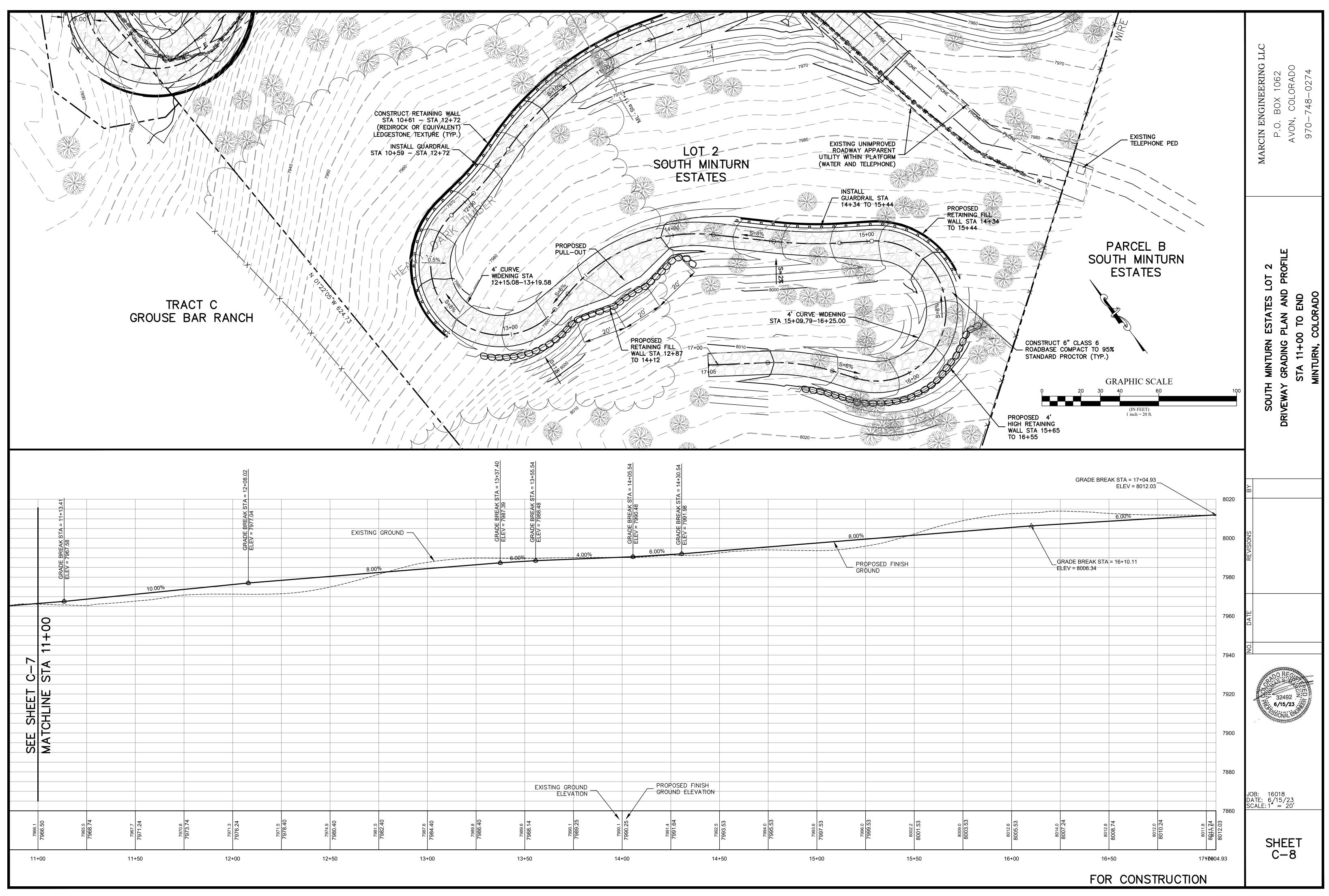




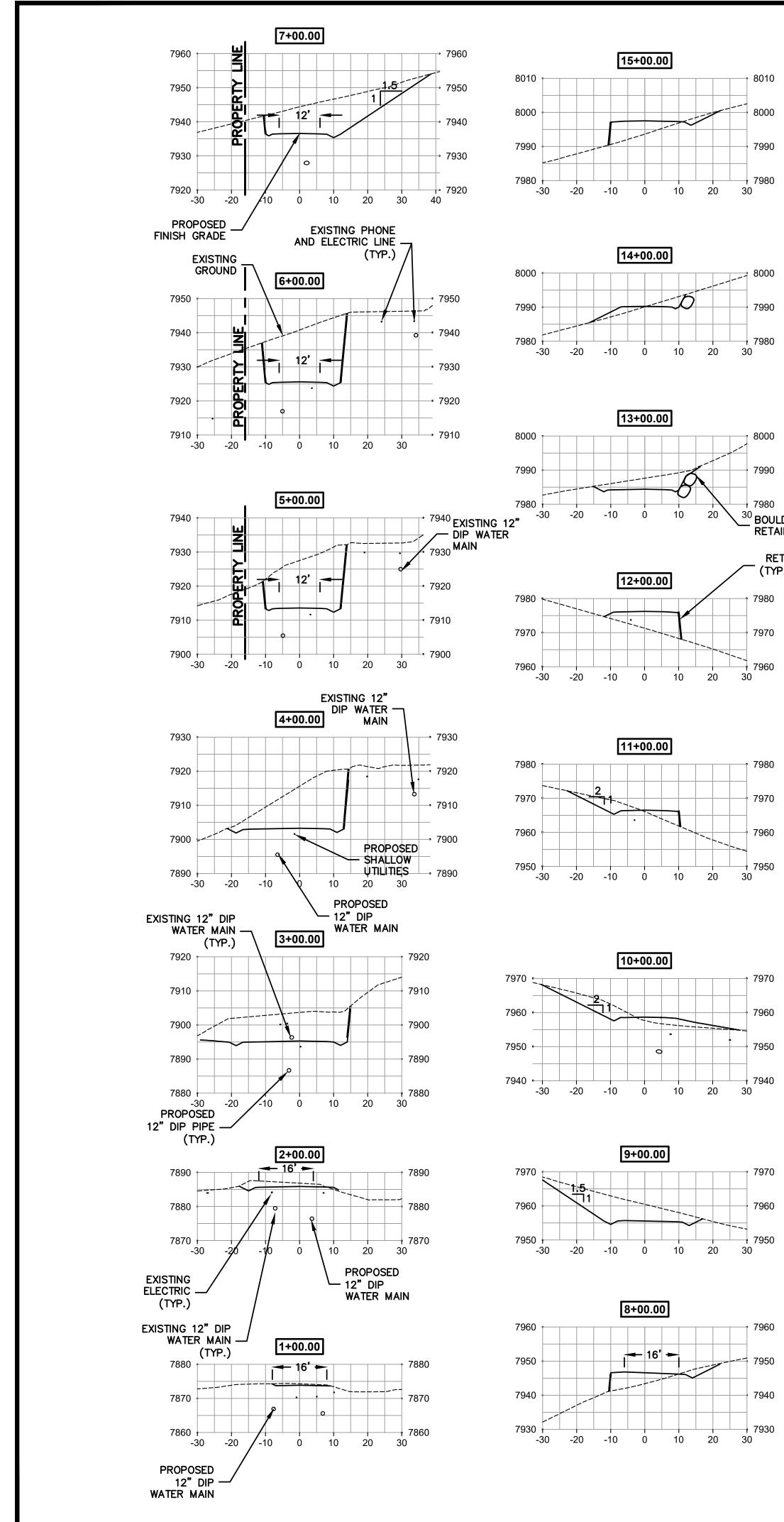






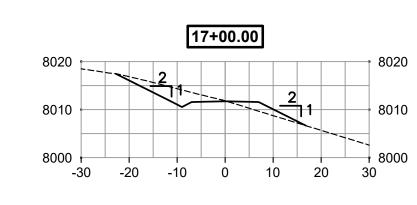


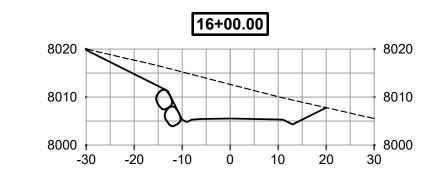
tAMNG: D:\Projects\16018-Minturn Estates Lot-2\dwg\Single Family Home\dwg\Sheets\16018-S-Road Grading.dwg



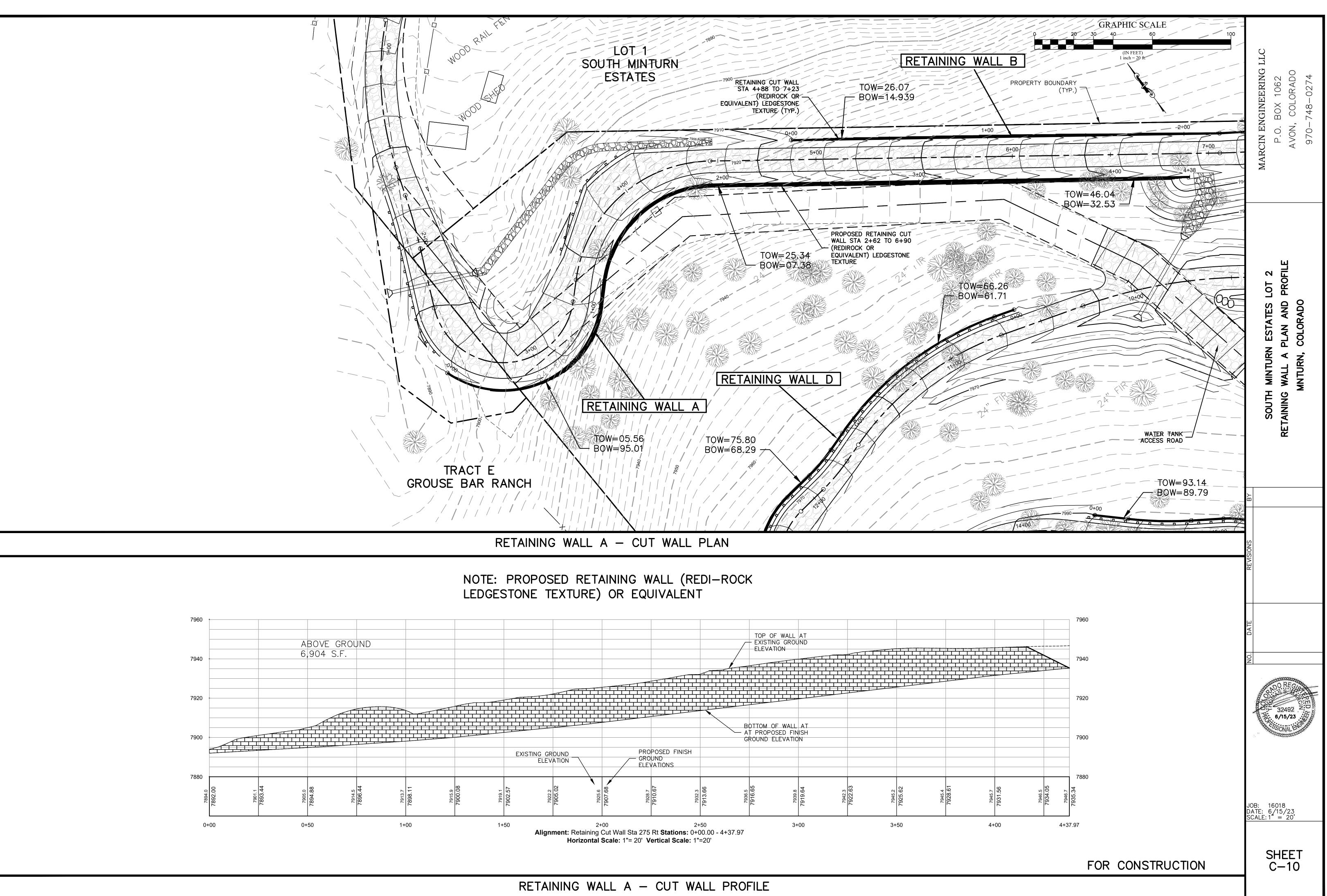
³⁰ BOULDER RETAINING WALL

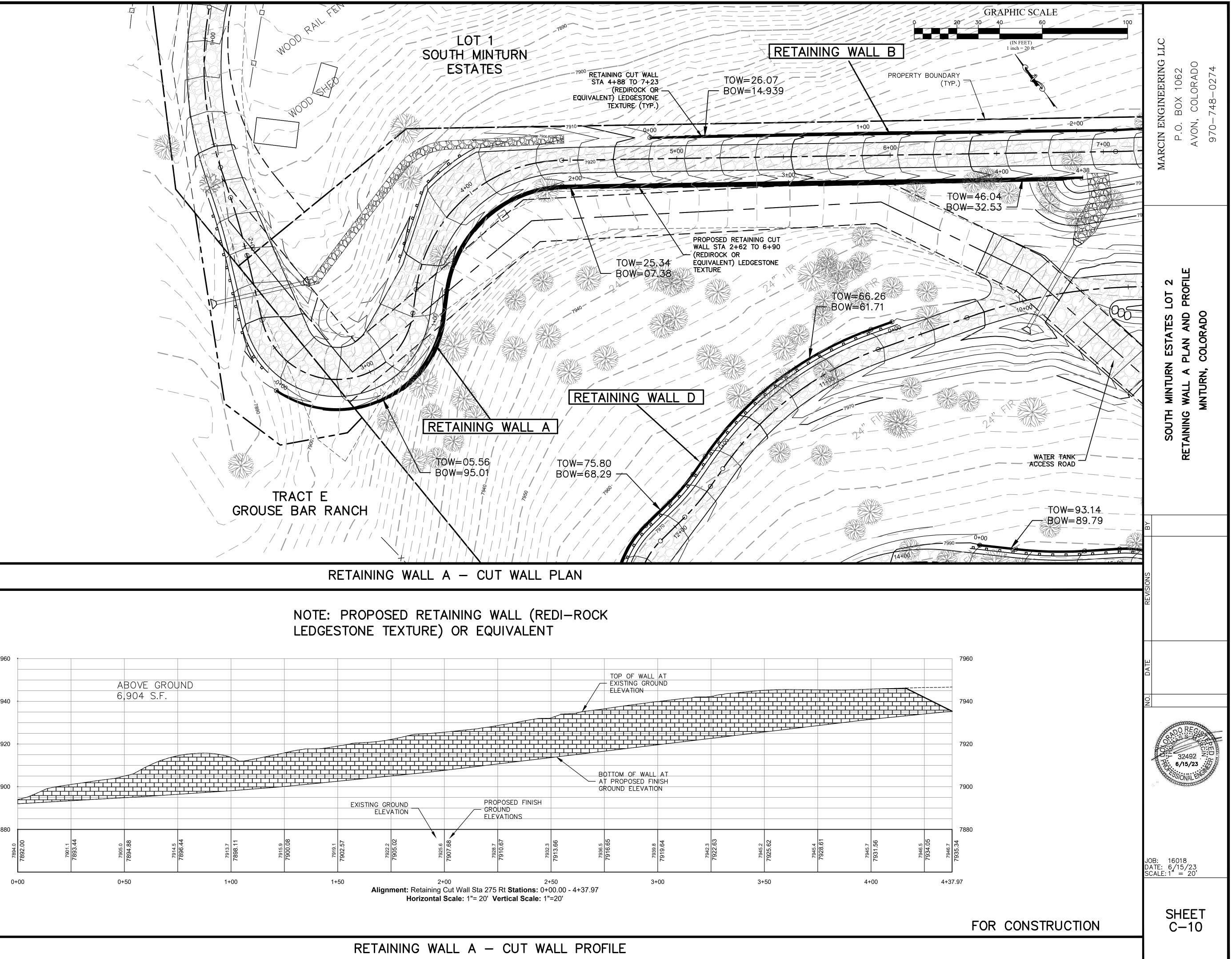
RETAINING WALL (TYP.)

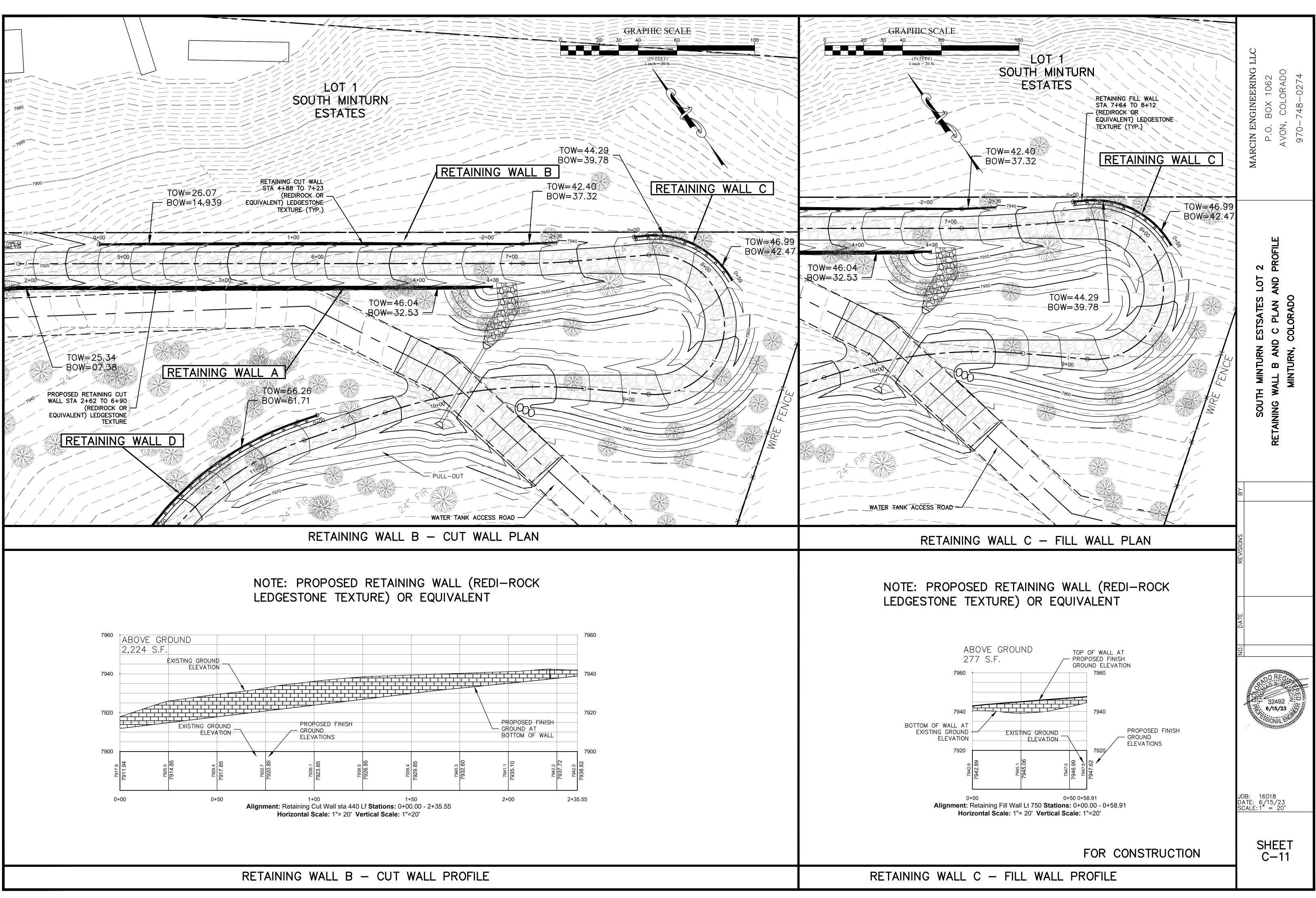


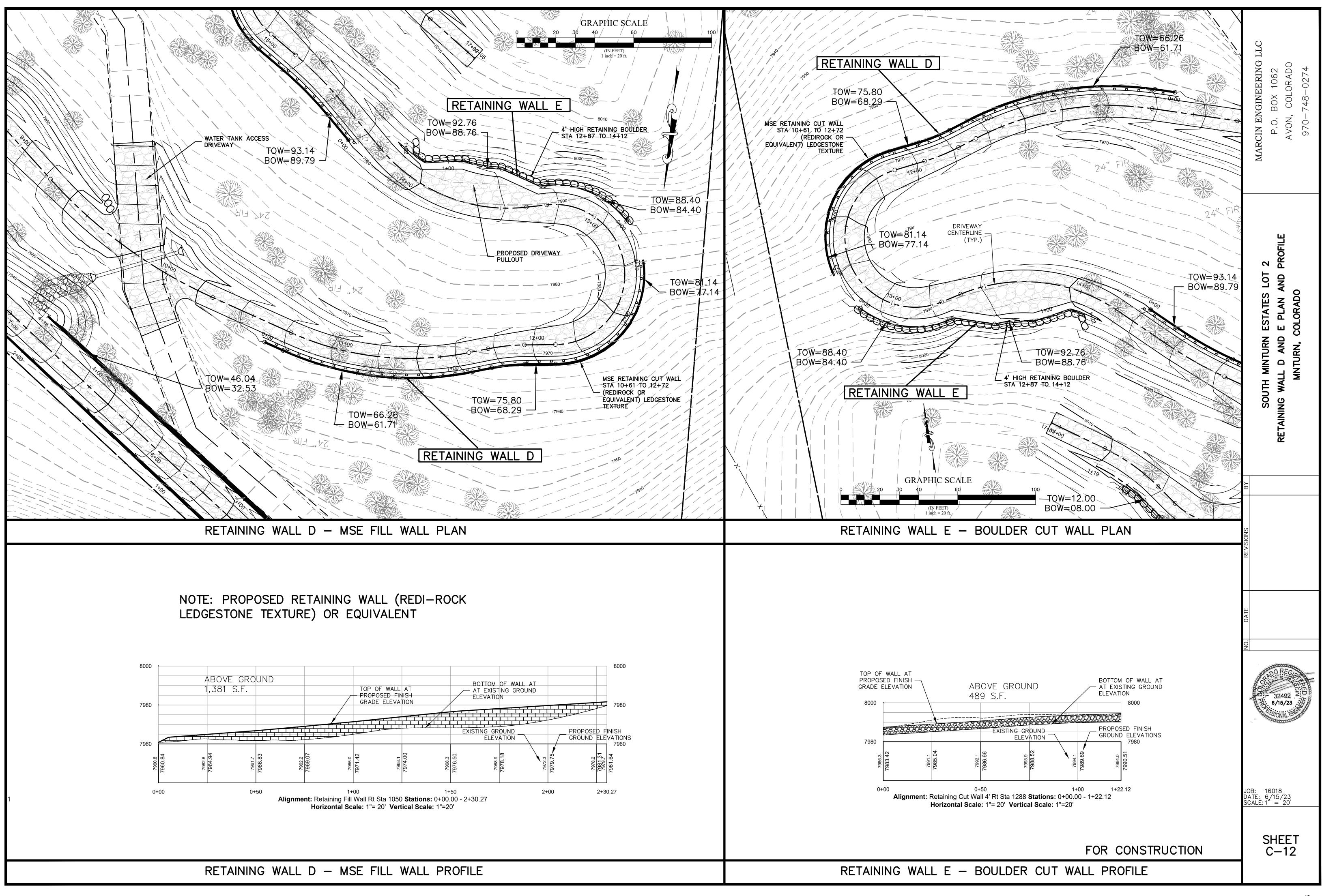


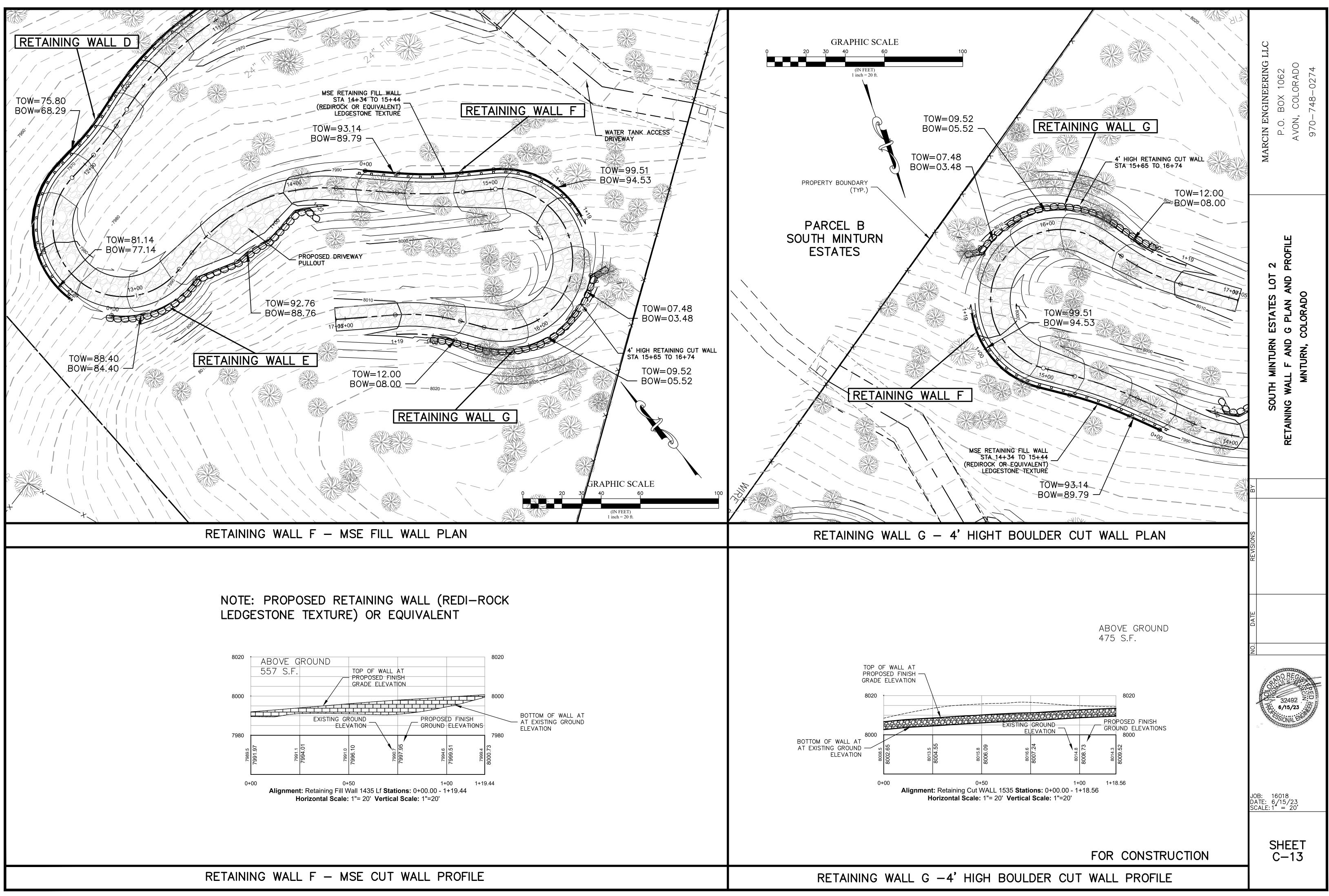
NOTE: AVERAGE DEPTH OF EXISTING 12" WATERLINE IS APPROXIMATELY 8.5'	MARCIN ENGINEERING LLC P.O. BOX 1062 AVON, COLORADO 970-748-0274
	SOUTH MINTURN ESTATES LOT 2 DRIVEWAY SECTIONS MINTURN, COLORADO
	B
	REVISIONS
	IT IN
	JOB: 16018 DATE: 5/26/23 SCALE:1" = 20'
FOR CONSTRUCTION	SHEET C-9

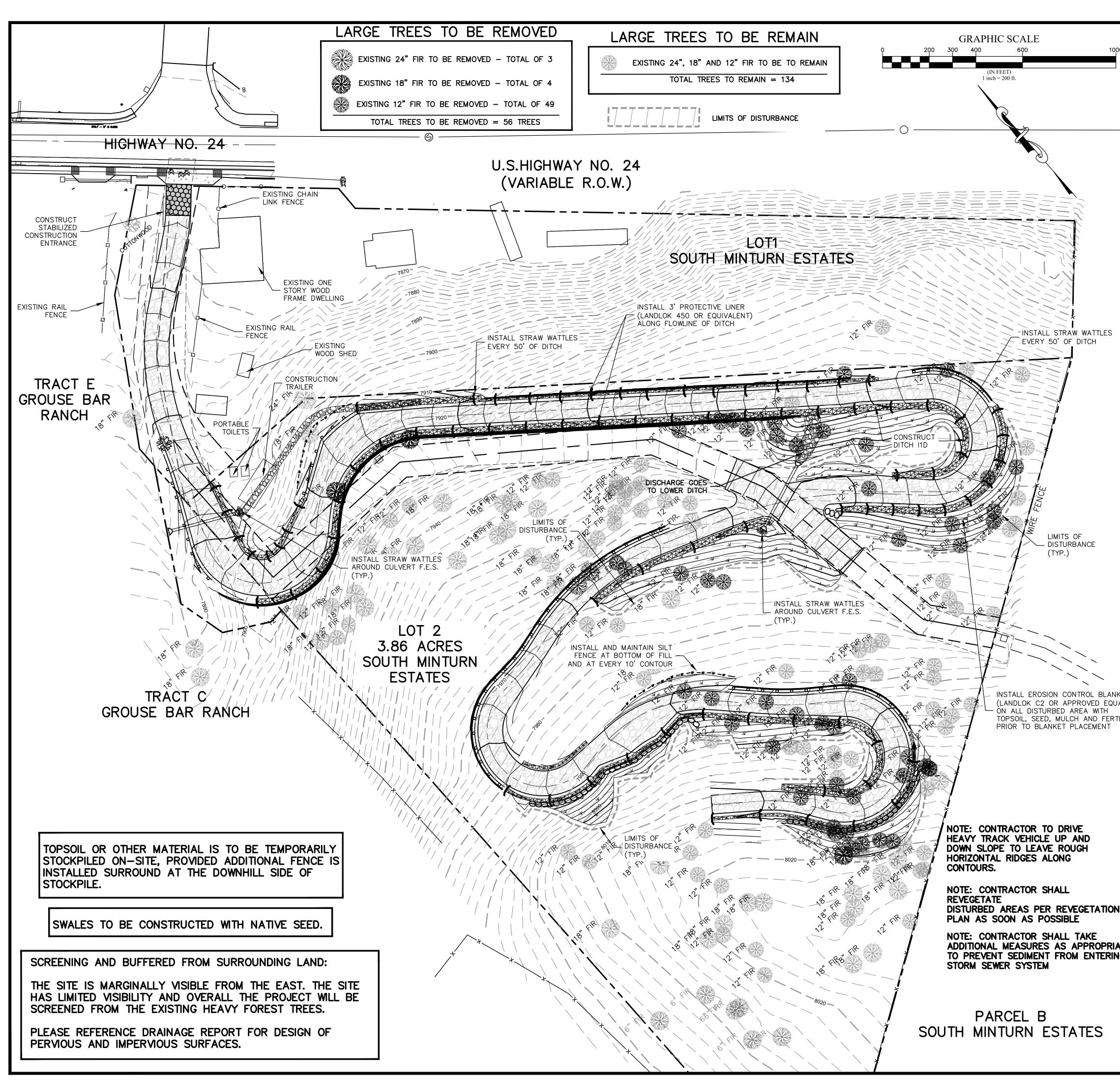




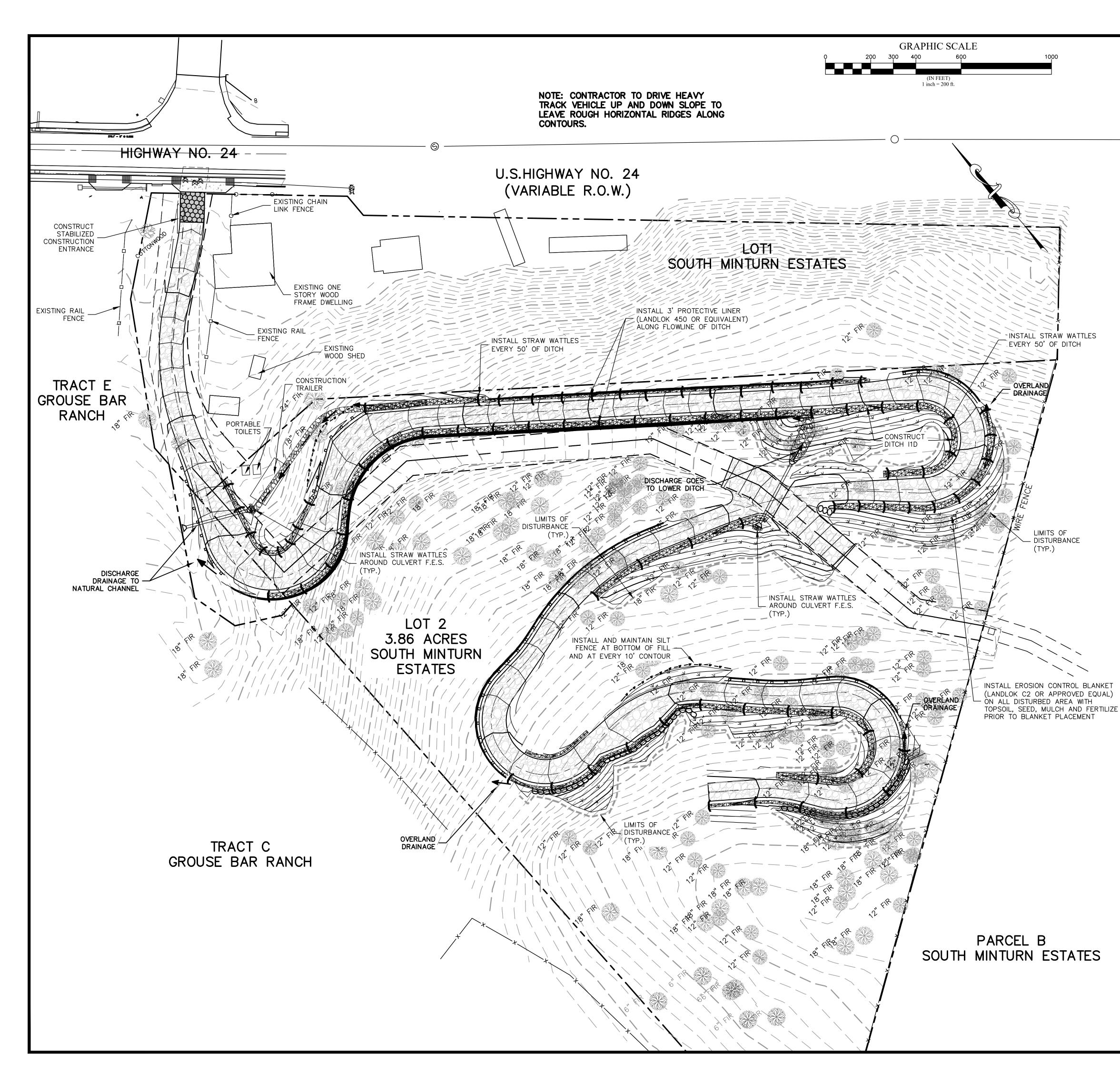




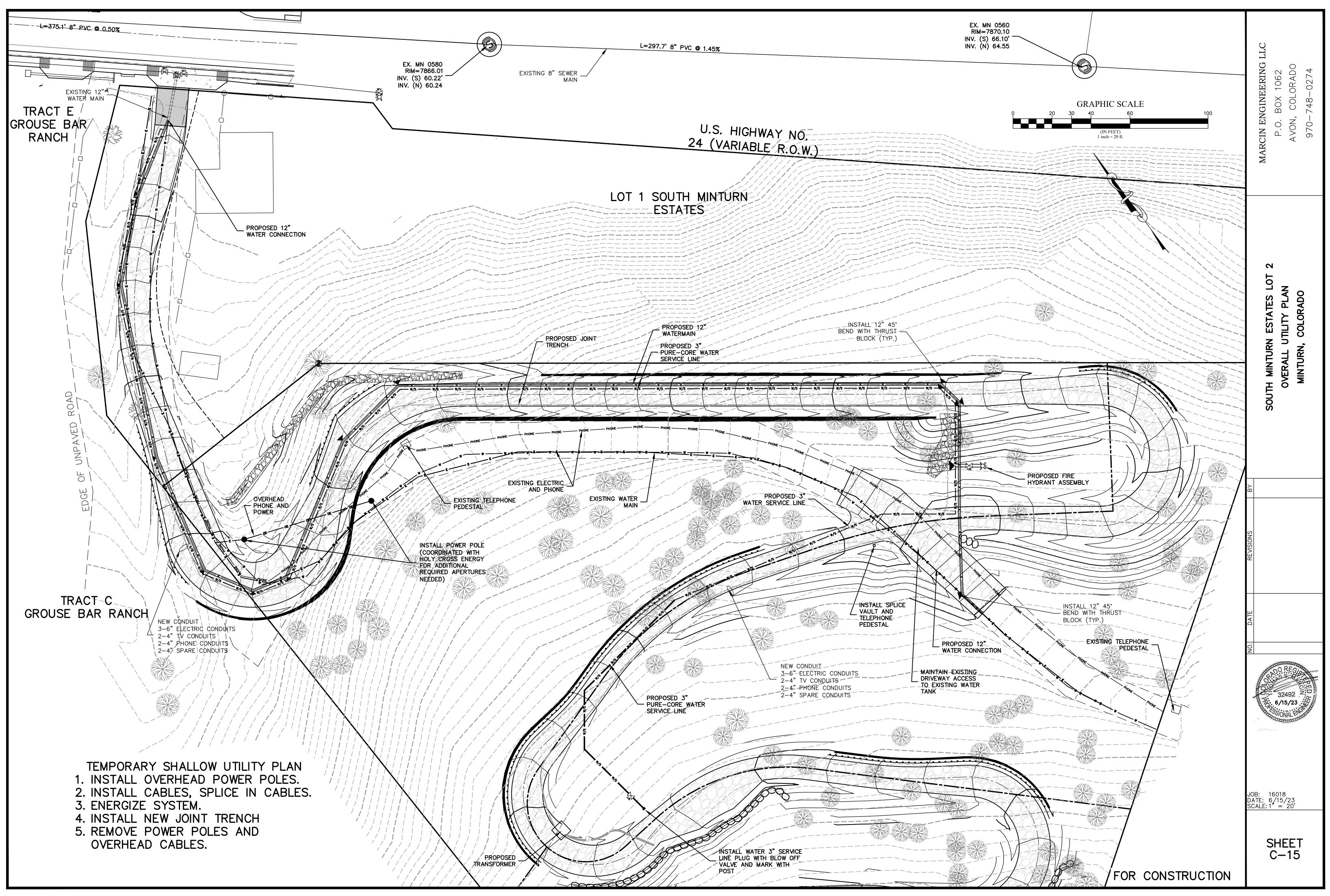


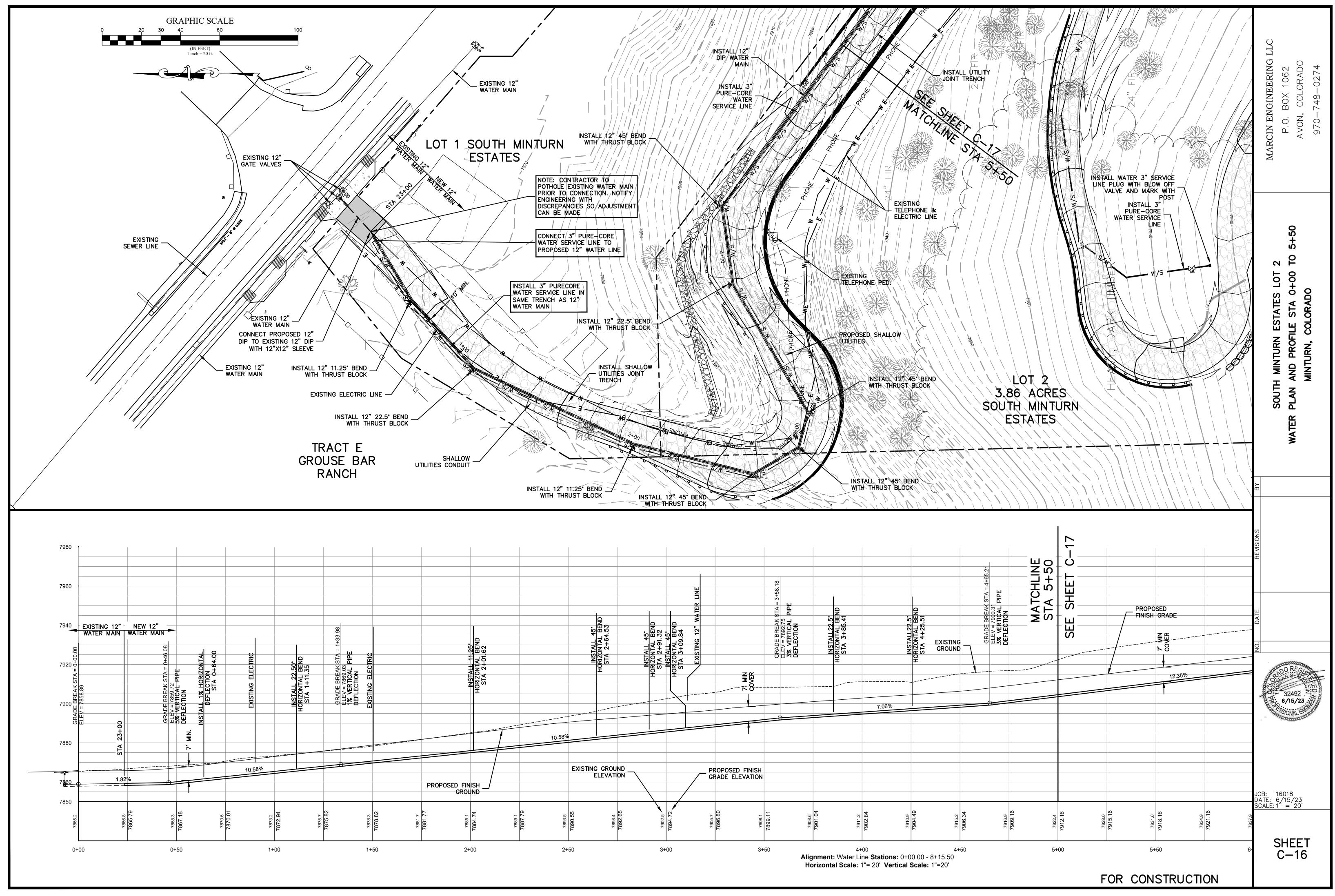


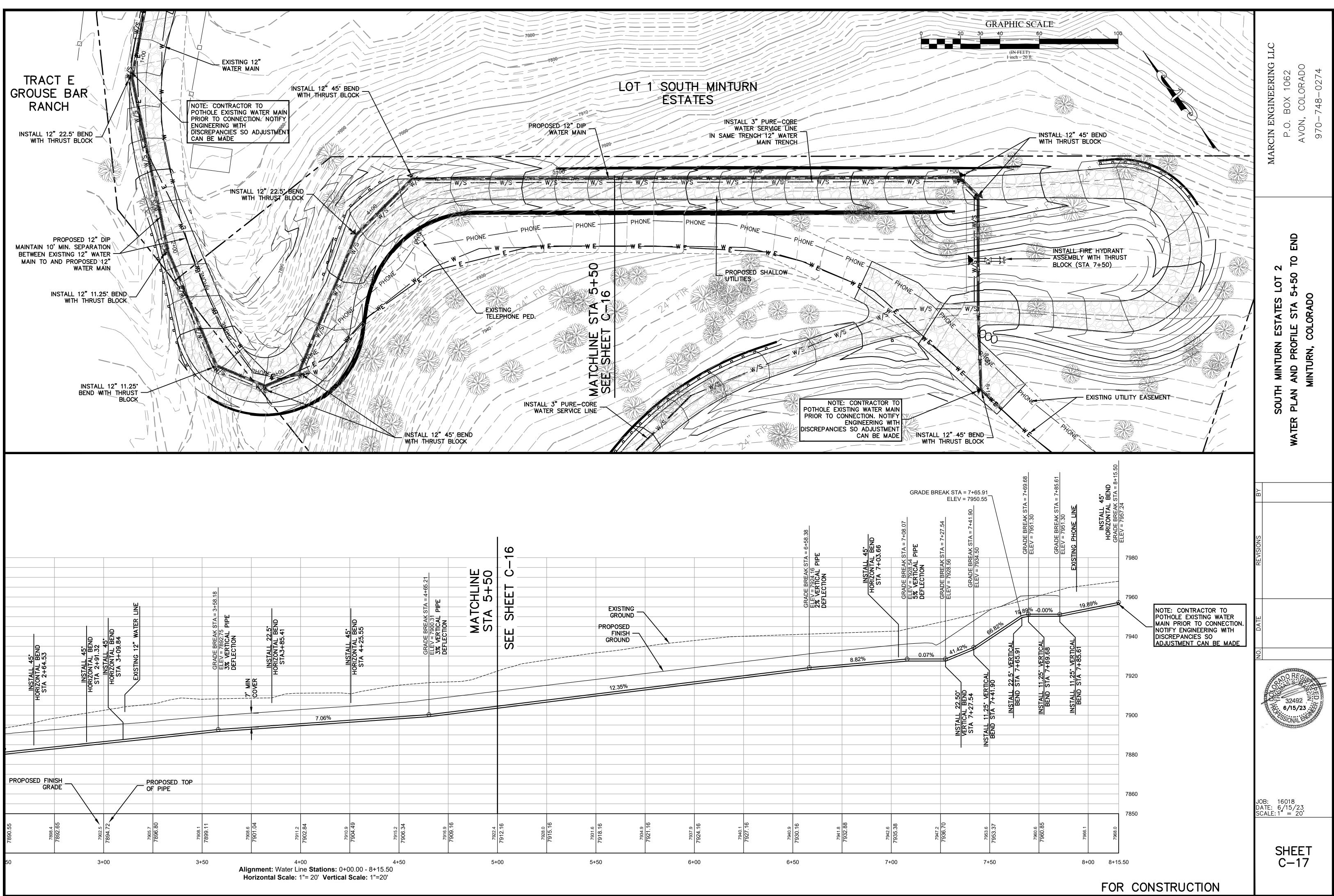
	<u>REVEGETATION</u> THE EROSION CONTROL WILL BE CONTROLLED USING BEST MANAGEMENT PRACTICE (BMPS) INCLUDING BUT NOT LIMITED TO	
000	1. REDUCE RUNOFF VELOCITY AND ALLOW FOR INFILTRATION SEDIMENT TRAPPING SUPPORT THE ESTABLISHMENT OF VEGETATIVE COVER TEMPORARY GRASSES AND PERMANENT	2
	VEGETATIVE COVER 2. MINIMIZE EROSION AND SEDIMENTATION BY STABILIZING EXPOSED SOILS WITH VEGETATION AND MULCHING OF ORGANIC AND INORGANIC MATERIALS THAT ARE SPREAD ON THE	ING LL 52 ADO 74
	3. MINIMIZES EROSION BY PROVIDING A PROTECTIVE COVER OVER DISTURBED, BARE OR	GINEERIN 30X 1062 COLORAD 748-0274
	RESEEDED SOIL MINIMAL THICKNESS PROTECTS SOILS FORM SPLASH EROSION WHILE THICKER LAYERS ARE EFFECTIVE FOR ADDITIONAL SEDIMENT CONTROL EROSION BLANKETS EROSION CONTROL BLANKETS ARE MATS COMPRISED OF ORGANIC FIBERS OR INORGANIC MATERIALS HELD BY SYNTHETIC OR BIODEGRADABLE NETTING.	EN. 0-1
	4. PREVENT EROSION FROM EXPOSED SOILS IN CHANNELS ON SLOPES, OR AS A WET WEATHER MEASURE TYPICALLY USED WHEN A VEGETATIVE COVER CANNOT BE ACHIEVED DUE TO SOILS, TIME OF YEAR OR WHERE SLOPES ARE TOO STEEP FOR MULCH SURFACE ROUGHENING	
	5. PROTECT SOILS FORM CONTACT WITH STORMWATER TYPICALLY USED WHEN A VEGETATIVE COVER CANNOT BE ACHIEVED DUE TO SOILS, TIME OF YEAR OR WHERE SLOPES ARE TOO STEEP FOR MULCH DUST CONTROL	4
	6. MINIMIZE WIND EROSION OF BARE SOILS. 7. DIVERT STORM WATER AWAY FROM DISTURBED OR EXPOSED AREAS WHEN POSSIBLE.	
	8. INSTALL BMPS TO CONTROL EROSION AND SEDIMENT AND MANAGE STORM WATER. INSPECT THE SITE REGULARLY AND PROPERLY MAINTAIN BMPS, ESPECIALLY AFTER RAINSTORMS.	
	9. REVISE THE PLAN AS SITE CONDITIONS CHANGE DURING CONSTRUCTION AND IMPROVE THE PLANS IF BMPS ARE NOT EFFECTIVELY CONTROLLING EROSION AND SEDIMENT.	
	10. KEEP THE CONSTRUCTION SITE CLEAN BY PUTTING TRASH IN TRASH CANS, KEEPING STORAGE BINS COVERED, AND PREVENTING OR REMOVING EXCESS SEDIMENT ON ROADS AND OTHER IMPERVIOUS SURFACES. GENERAL NOTES AND SPECS	0 4 LOT 2
	1. REVEGETATE ALL DISTURBED AREAS WITH NATIVE, DROUGHT TOLERANT SEED MIX APPROVED BY THE TOWN.	ESTATES ION PLAN OLORADO
	2. STABILIZE ALL TEMPORARY VEGETATION AND PROVIDE IRRIGATION FOR ALL REVEGETATED AREAS TO ENSURE PROPER GERMINATION OF STAKED EROSION MATS, NETS, FABRIC OR ANY OTHER STABILIZED VEGETATION.	N EST. ATION COLC
	 APPLICATION WILL BE HYDROSEED WITH TACKIFIER AND HAND SPREAD. SEED RATE – 2LB MINIMUM UP TO 4LB MAXIMUM PER 1000 SQUARE FEET. 	I MINTURN REVEGETA MINTURN,
	 SEED MIX- COLORADO NATIVE GRASS SEED MIX - COMPRISED OF MOSTLY NATIVE GRASS WHICH, ONCE ESTABLISHED, ARE DROUGHT-TOLERANT AND REQUIRES LOWER MAINTENANCE THAN MOST OTHER GRASS. 	REVE MINT
	6. CONTRACTOR SHALL BE RESPONSIBLE FOR ERADICATION, REMOVAL, DISPOSAL OF WEEDS WITHIN THE LIMITS OF WORK DURING THE CONSTRUCTION PERIOD AND THROUGH THE PROJECT'S FINAL ACCEPTANCE.	HTUOS
	7. ALL AREAS WILL BE GRADED TO BE A SMOOTH, CONSISTENTLY EVEN, FREE DRAINING SURFACE.	
	8. ALL EXCESS NATIVE SOIL RESULTING FROM SOIL PREPARATION SHALL BE DISPOSED OF AND REMOVED FROM THE SITE.	
	9. SPECIES CAN INCLUDE INTERMEDIATE RYEGRASS (USED AS A SHORT LIVED NURSE —GRASS) MATURE HEIGHT: 12 TO 18 INCHES.	
	10. VARIETIES OF THESE SPECIES MAY CHANGE FROM THOSE LISTED ABOVE DEPENDING ON AVAILABILITY. SEED MIX WILL ALSO BE CERTIFIED TO BE FREE OF NOXIOUS WEEDS.	B≺
	11. WE ARE NOT PROPOSING OR CALLING FOR ANY REPLANTING OF TREES OR SHRUBS AS PART OF THE ROAD REVEGETATION PLAN.	
	ALLOWABLE SEED MIX VARIETIES: SHEEP FESCUE, SLENDER WHEATGRASS, WESTERN WHEATGRASS, SIDEOATS GRAMA,	SNS
IKET	SWITCHGRASS BLUEBUNCH WHEATGRASS, DAHO FESCUE, STREAMBANK WHEATGRASS, ARIZONA FESCUE, SAND DROPSEED, GREEN NEEDLE GRASS, BUFFALO GRASS, SIDEOATS GRAMA	REVISIONS
JAL) TILIZE	CONSTRUCTION NOTES 1. CONSTRUCTION ACTIVITIES, SUCH AS CLEARING, GRADING, ROAD CONSTRUCTION, AND	
116126	UTILITY INSTALLATION SHALL BE PHASED TO MINIMIZE SOIL EXPOSURE. SEDIMENT TRAPPING PRACTICE AND STREAM AND OTHER WATER BODY PROTECTION SHALL BE INSTALLED AND STABILIZED BEFORE SITE GRADING OR OTHER CONSTRUCTION IS INITIATED.	DATE
	2. ALL DISTURBED AREAS AND SOIL STOCKPILES SHALL BE SURFACE ROUGHENED, MULCHED, OR SEEDED AND MULCHED, OR OTHERWISE PROTECTED FROM EROSION FORCES IF THEY WILL REMAIN EXPOSED AND INACTIVE FOR PERIODS LONGER THAN FOURTEEN (14) DAYS, OR IF SOIL WILL BE EXPOSED DURING WINTER, SO EROSION WILL NOT OCCUR DURING SPRING SNOW MELT. DISTURBED AREAS SHALL BE MULCHED, OR SEEDED AND MULCHED WITH SEVEN (7) DAYS AFTER FINAL GRADE IS REACHED. GRASS OR STRAW MULCH SHALL BE CRIMPED IN PLACE. ON SLOPES STEEPER THAN TWENTY (20) PERCENT, OR WITHIN FIFTY (50) FEET OF ANY WATER BODY, EXPOSED SOILS SHALL BE HYDROMULCHED OR COVERED WITH NET OR MATS.	ON ON ON ON ON ON ON ON ON ON ON
	3. SITE SHALL COMPLY WITH TOWN OF MINTURN SEC. 16-17-70 HILLSIDE BUILDING REGULATIONS.	
	4. ALL SLOPES WILL BE REINFORCED WITH EROSION CONTROL BLANKET LANDLOK C2 OR APPROVED EQUAL.	Sional England
N	5. CONTRACTOR SHALL INSPECT ALL EROSION AND SEDIMENT CONTROL DEVICES AFTER ANY PRECIPITATION EVENTS DURING CONSTRICTION, AND MAKE ANY NECESSARY REPAIRS IMMEDIATELY THEREAFTER. AT A MINIMUM, EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSPECTED MONTHLY. AN INSPECTION LOG SHALL BE KEPT ON-SITE FOR REVIEW BY COUNTY OFFICIALS UNTIL THE PROJECT IS COMPLETE. A COPY OF THE INSPECTION LOG SHEETS SHALL BE DELIVERED TO THE COUNTY AT THE END MONTH DURING CONSTRUCTION.	
ATE NG	6. ALL DRAINAGE FEATURES, PAVED AREAS, RETAINING WALLS, CRIBBING, PLANTING, TEMPORARY OR PERMANENT SOIL EROSION CONTROL MEASURES, OR OTHER FEATURES TO BE CONSTRUCTED IN CONNECTION WITH OR AS PART OF THE PROPOSED DEVELOPMENT.	JOB: 16018
	7. THOSE PORTIONS OF THE ROAD SUBGRADE THAT DO NOT RECEIVE GRAVEL SHALL BE SEEDED, FERTILIZED, MULCHED AND TACKED. THE SEED SHALL BE DRILLED OR BROADCAST AND RAKED INTO THE TOP $\frac{1}{4}$ " OF SOIL. PRIOR TO SEEDING FERTILIZER SHALL BE WORKED INTO THE TOP 4" OF SOIL AT THE RATE SPECIFIED.	DATE: 7/28/23 SCALE: N/A
	8. COVER THE SOIL'S SURFACE AROUND PLANTS WITH A MULCH, SUCH AS LEAVES, COARSE COMPOST, PINE NEEDLES, WOOD CHIPS, BARK OR GRAVEL. MULCH HELPS RETAIN SOIL MOISTURE AND TEMPERATURE, PREVENT EROSION AND BLOCK OUT COMPETING WEEDS. ORGANIC MULCH WILL SLOWLY INCORPORATE WITH THE SOIL AND WILL NEED MORE APPLIED FROM TIME TO TIME. TO BE EFFECTIVE, MULCH NEEDS TO BE SEVERAL INCHES THICK. THERE SHOULD BE NO AREAS OF BARE SOIL. FOR CONSTRUCTION	SHEET C-14A



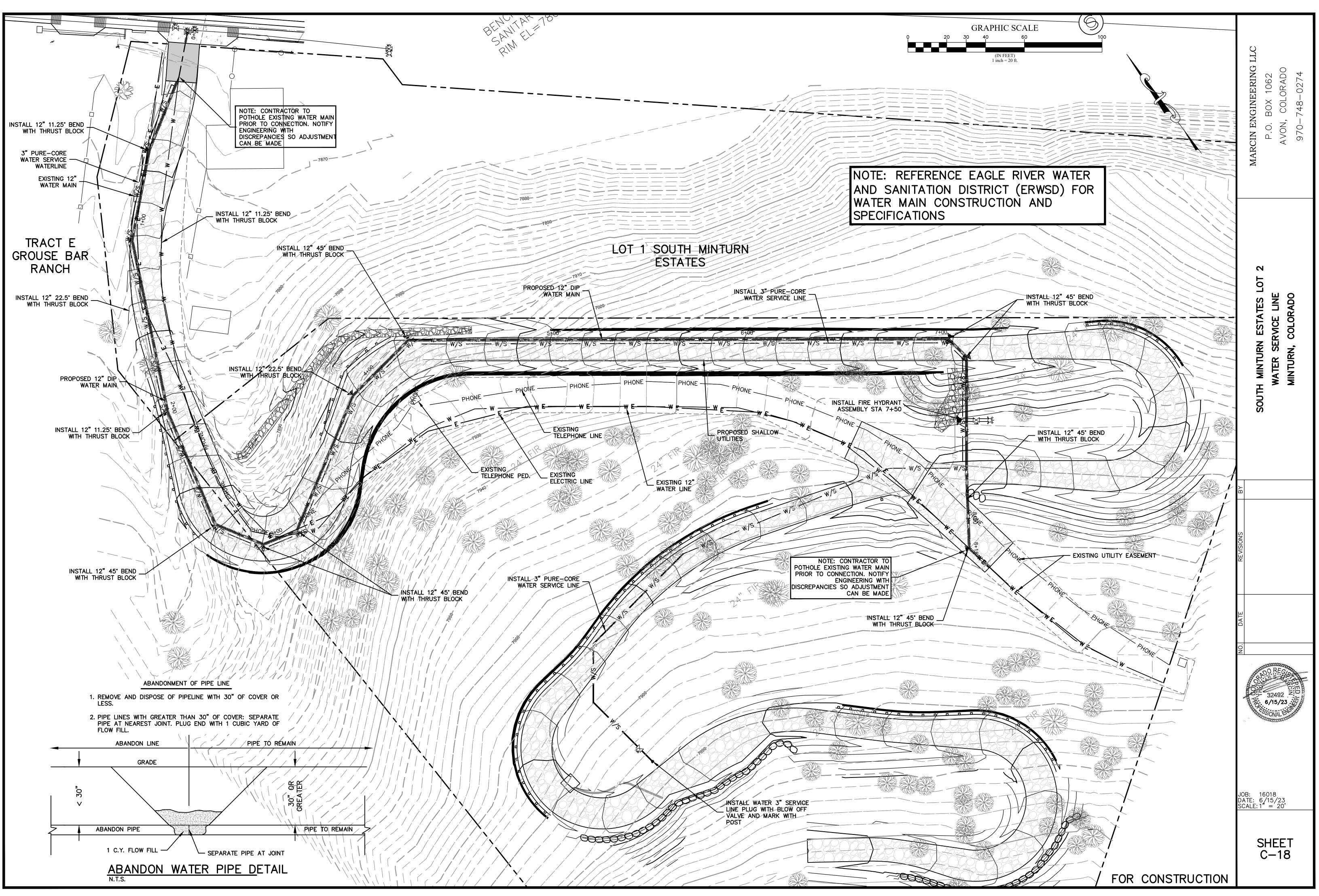
1. 2. 3. 4. 5.	STRUCTION SEQUENCE OF EROSON/SEDIMENT CONTROL MEASURES CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE. INSTALL WATTLES, CONSTRUCTION FENCE, AND SEDIMENT TRAPS PRIOR TO CONSTRUCTION. BEGIN EXCAVATION. INSTALL EROSION CONTROL MEASURES (LANDLOK TRM FABRIC, RIP RAP AND EROSION LOGS) AFTER ROADWAY DITCHES HAVE BEEN CONSTRUCTED AND TOPSOIL PLACED. REVEGETATE ALL DISTURBED AREAS. AREAS TREATED WITH EROSION CONTROL MATTING WILL INCLUDE TOPSOIL, SEED MIX, FERTILIZER, MULCH AND TACKIFIER.	MARCIN ENGINEERING LLC P.O. BOX 1062 AVON, COLORADO 970-748-0274
		2
GEN	ERAL NOTES FOR SEDIMENT CONTROL	
	INSTALL AND MAINTAIN SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH THESE PLANS.	
2.	ALL PROPOSED SEDIMENT CONTROL MEASURES ARE TEMPORARY MEASURES UNLESS SPECIFIED OTHERWISE ON PLANS.	
	SEDIMENT CONTROL MEASURES MAY REQUIRE MINOR FIELD ADJUSTMENTS AT THE TIME OF CONSTRUCTION TO INSURE THAT THEIR INTENDED PURPOSE IS ACCOMPLISHED. ENGINEER'S APPROVAL WILL BE REQUIRED FOR ANY OTHER DEVIATION FROM THE APPROVED PLANS.	LOT 2 NN
	PROVIDE CONTINUOUS INSPECTION AND MAINTENANCE OF ALL SEDIMENT CONTROL MEASURES TO ENSURE THAT SEDIMENT CONTROL EFFICIENCY IS OBTAINED UNTIL FINAL STABILIZATION OF SITE HAS TAKEN PLACE.	PL/ PDO
	INSTALL SEDIMENT CONTROL MEASURES AT THE ONSET OF GRADING OPERATIONS SO THAT EFFECTIVE SEDIMENT CONTROL CAN BE ACHIEVED DURING THE ENTIRE GRADING OPERATION PERIOD.	
	STABILIZE ALL POINTS OF INGRESS AND EGRESS WITH CRUSHED STONE DURING CONSTRUCTION TO PREVENT TRACKING OF MUD ONTO PUBLIC STREETS.	
	THE TERM "REVEGETATION" ON THIS PLAN MEANS TO HAVE SUCCESSFUL GERMINATION AND ESTABLISHMENT OF STABLE GRASS COVER FROM A PROPERLY PREPARED SEEDBED CONTAINING THE SPECIFIED AMOUNT OF FERTILIZER IN ACCORDANCE WITH APPLICABLE "STANDARDS AND SPECIFICATIONS". REFER TO LANDSCAPE PLANS FOR SEED MIX.	SOUTH MINTL EROSION MINTUR
	APPROVAL SHALL BE REQUESTED UPON FINAL STABILIZATION OF ALL SITES BEFORE REMOVAL OF SEDIMENT CONTROLS.	
	THE CONTRACTOR SHALL REMOVE SEDIMENT CONTROL FACILITIES AFTER FINAL STABILIZATION.	
	REMOVAL AND CLEANUP OF ANY SEDIMENT THAT LEAVES THE SITE IS THE RESPONSIBILITY OF THE CONTRACTOR.	
	CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO ASSURE THAT SEDIMENT LADEN WATER DOES NOT LEAVE THE CONSTRUCTION SITE.	₩
	ALL SEDIMENT CONTROL AND STORM DRAINAGE FACILITIES SHALL BE PERIODICALLY INSPECTED AND MAINTAINED TO ASSURE THEY FUNCTION PROPERLY.	
	THOSE PORTIONS OF THE ROAD SUBGRADE THAT DO NOT RECEIVE GRAVEL SHALL BE SEEDED, FERTILIZED, MULCHED AND TACKED. THE SEED SHALL BE DRILLED OR BROADCAST AND RAKED INTO THE TOP $\frac{1}{4}$ " OF SOIL. PRIOR TO SEEDING FERTILIZER SHALL BE WORKED INTO THE TOP 4" OF SOIL AT THE RATE SPECIFIED.	REVISIONS
	ITIVE DUST CONTROL	DATE
INCO	CONTRACTOR IS RESPONSIBLE TO CONTROL FUGITIVE DUST AND TO DRPORATE THE FOLLOWING:	
	ALL UNPAVED ROADS AND OTHER DISTURBED AREAS ON SITE SHALL BE WATERED TO MINIMIZE FUGITIVE DUST. VEHICLE SPEED ON ALL UNPAVED ROADS AND DISTURBED AREAS	ÖZ
	SHALL NOT EXCEED A MAXIMUM OF 30 MPH SPEED LIMIT, SIGNS SHALL BE POSTED.	AND REGIONAL
	HAUL ROADS SHALL BE TREATED WITH MAGNESIUM CHLORIDE IF WATER IS NOT CONTROLLING THE DUST.	6/15/23
	ALL DISTURBED SOIL SHALL BE COMPACTED ON A DAILY BASIS TO WITHIN 90% OF MAXIMUM COMPACTION.	Sional England
	ALL DISTURBED SURFACE AREAS SHALL BE REVEGETATED AS SOON AS POSSIBLE.	" Contraction of the second se
	MUD AND DIRT CARRYOUT ONTO PAVED SURFACE SHALL BE PREVENTED. ANY MUD AND DIRT CARRYOUT ONTO PAVED SURFACE SHALL BE CLEANED UP DAILY.	
	NO EARTH WORK ACTIVITIES SHALL BE PERFORMED WHEN WIND SPEED EXCEEDS 30 MPH.	
	CONTRACTOR SHALL COMPLY WITH THE BEST MANAGEMENT PRACTICES (BMP'S) AND ALL NOTES AND RULES.	JOB: 16018 DATE: 6/15/23 SCALE: N/A
		SHEET
		C-14



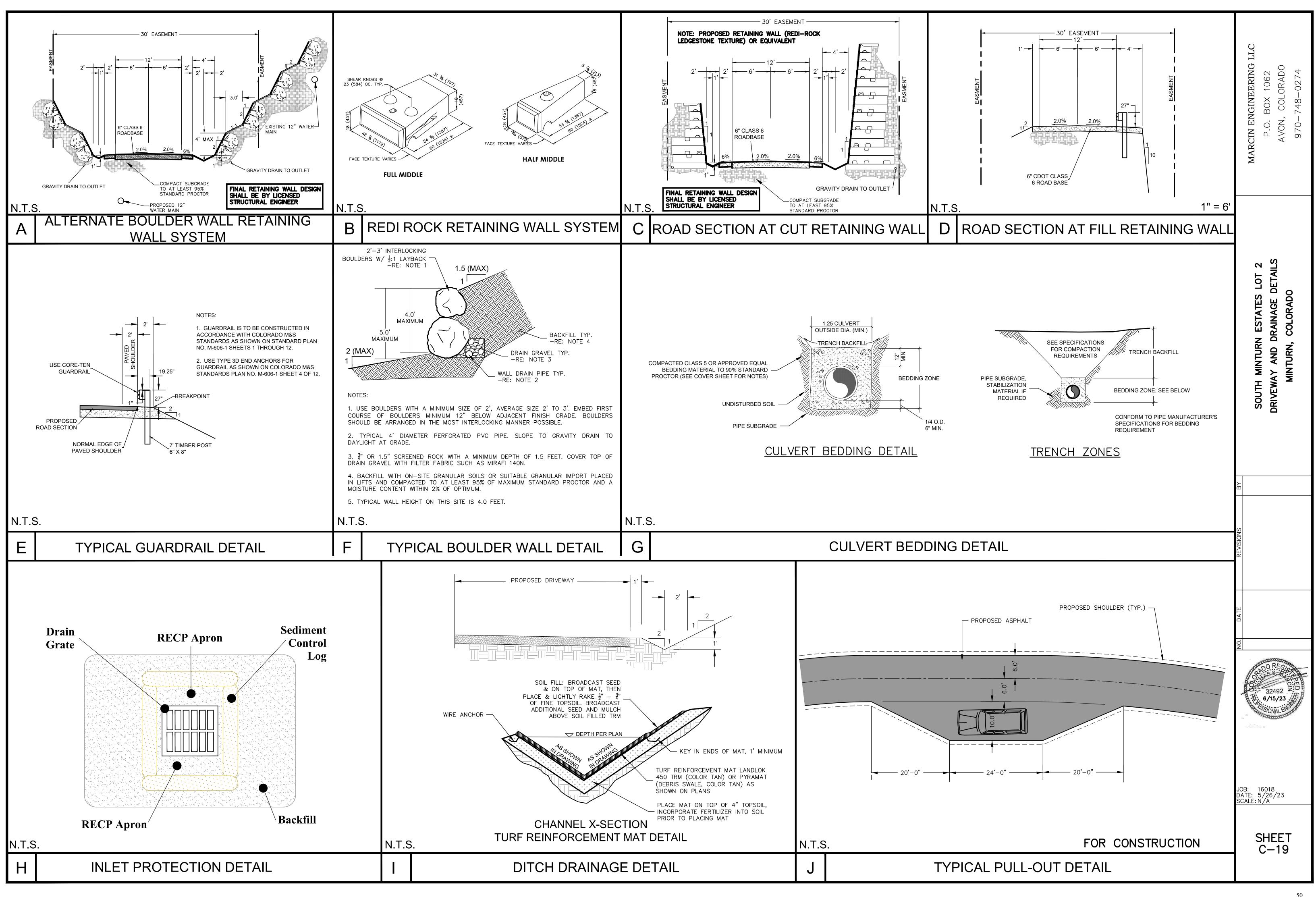


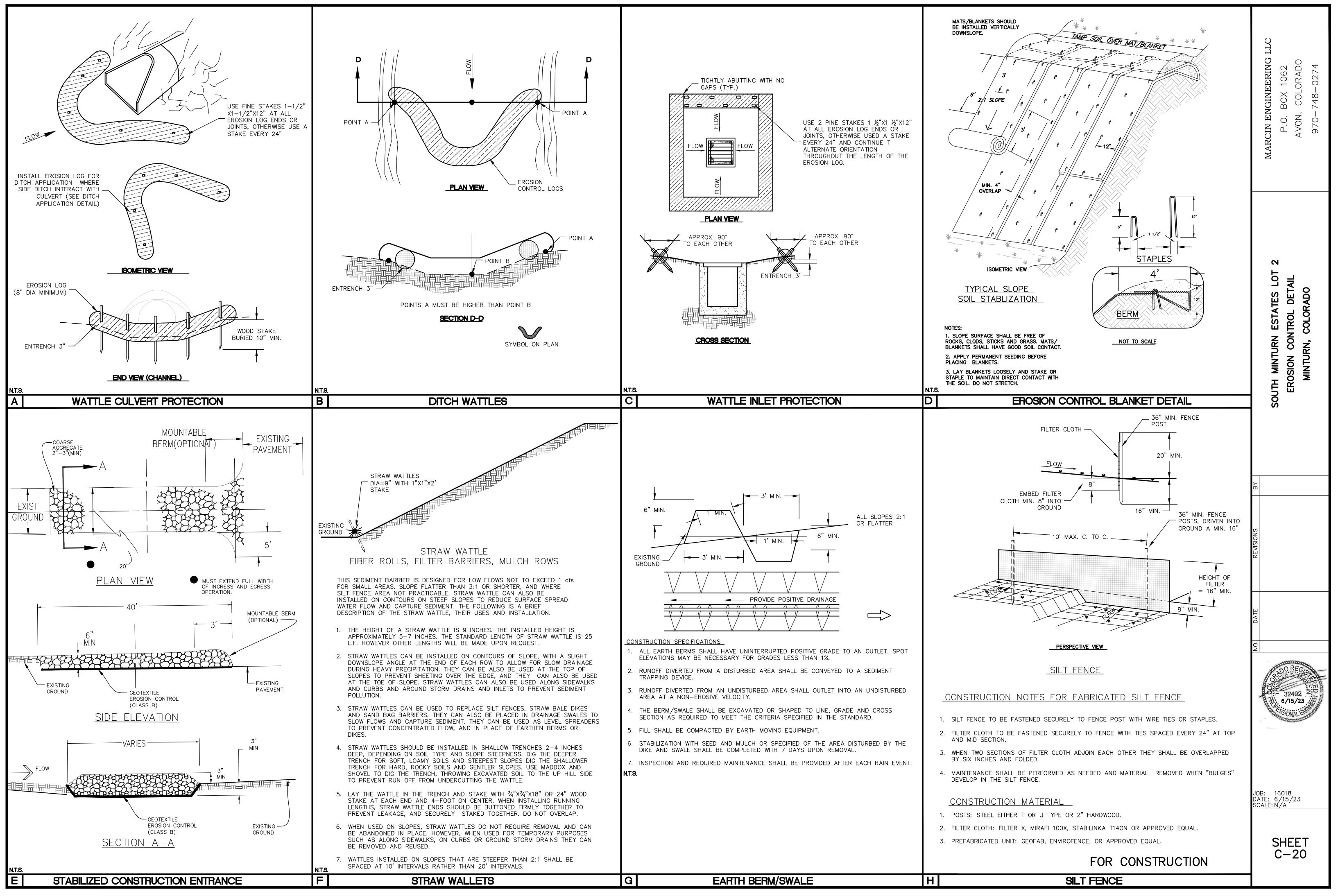


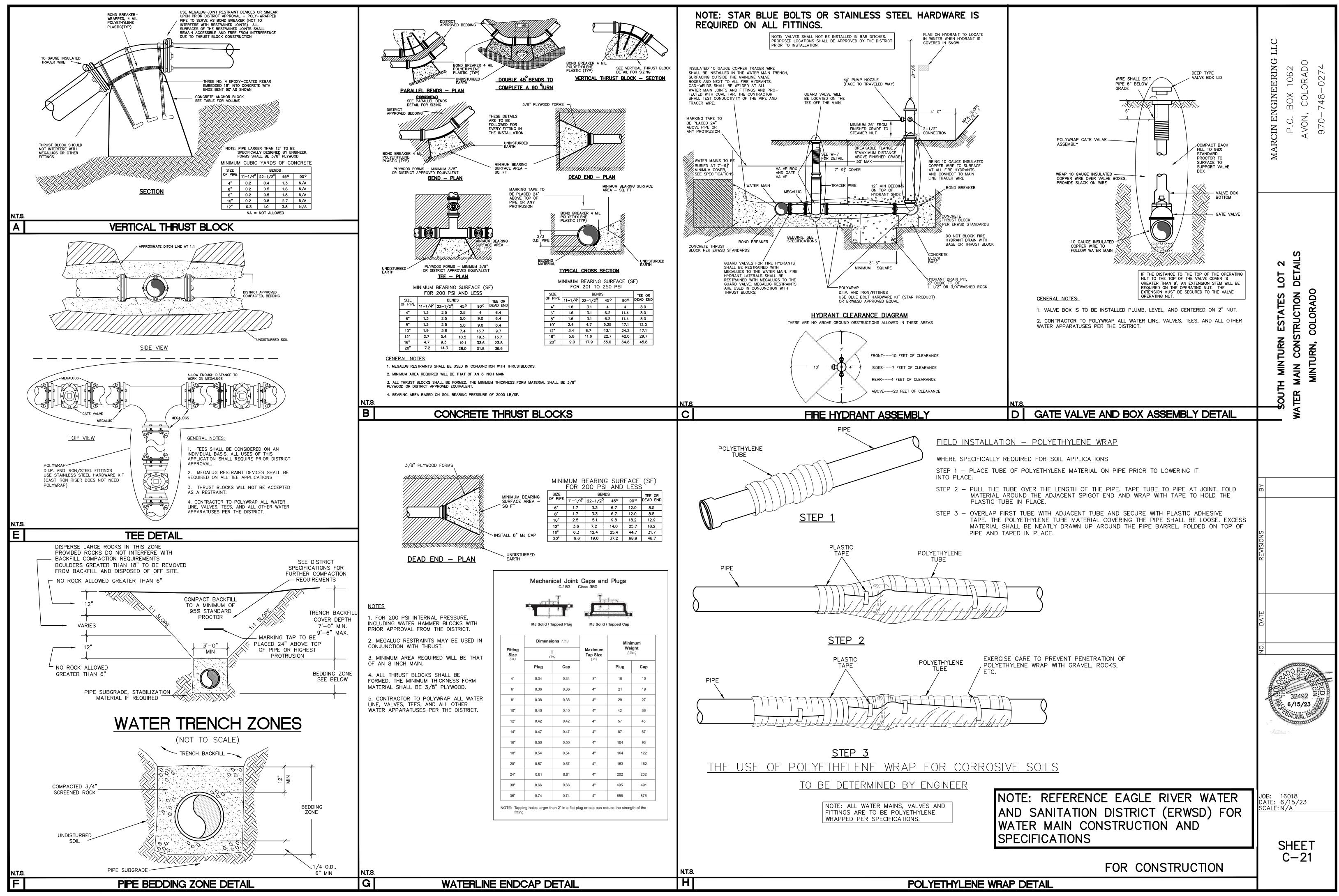




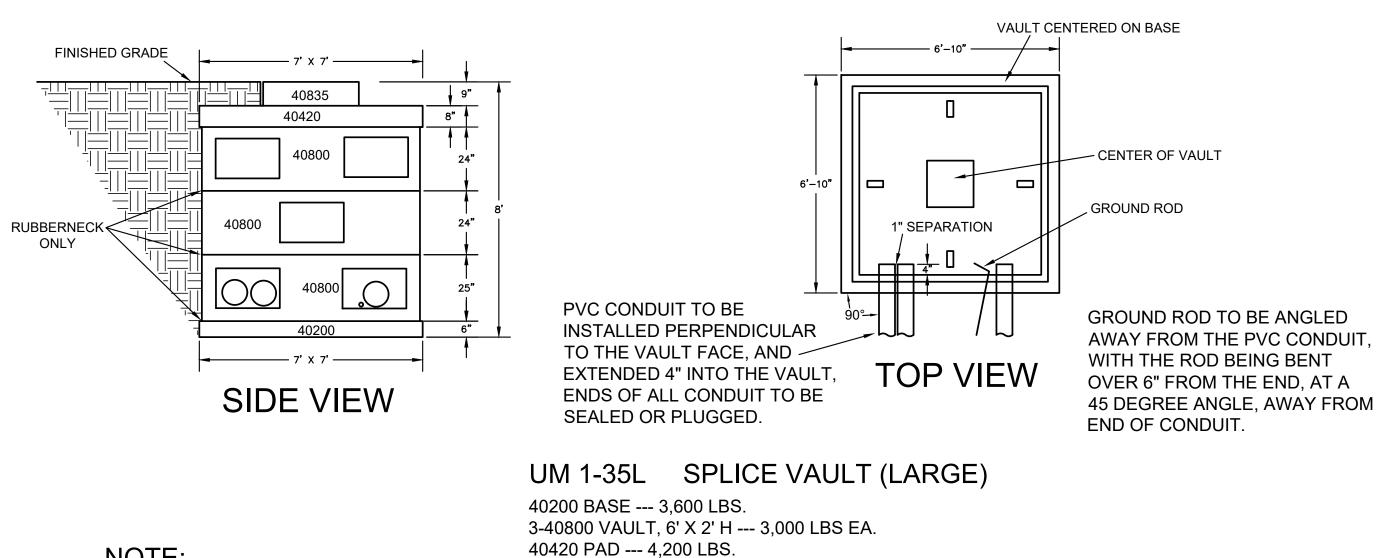
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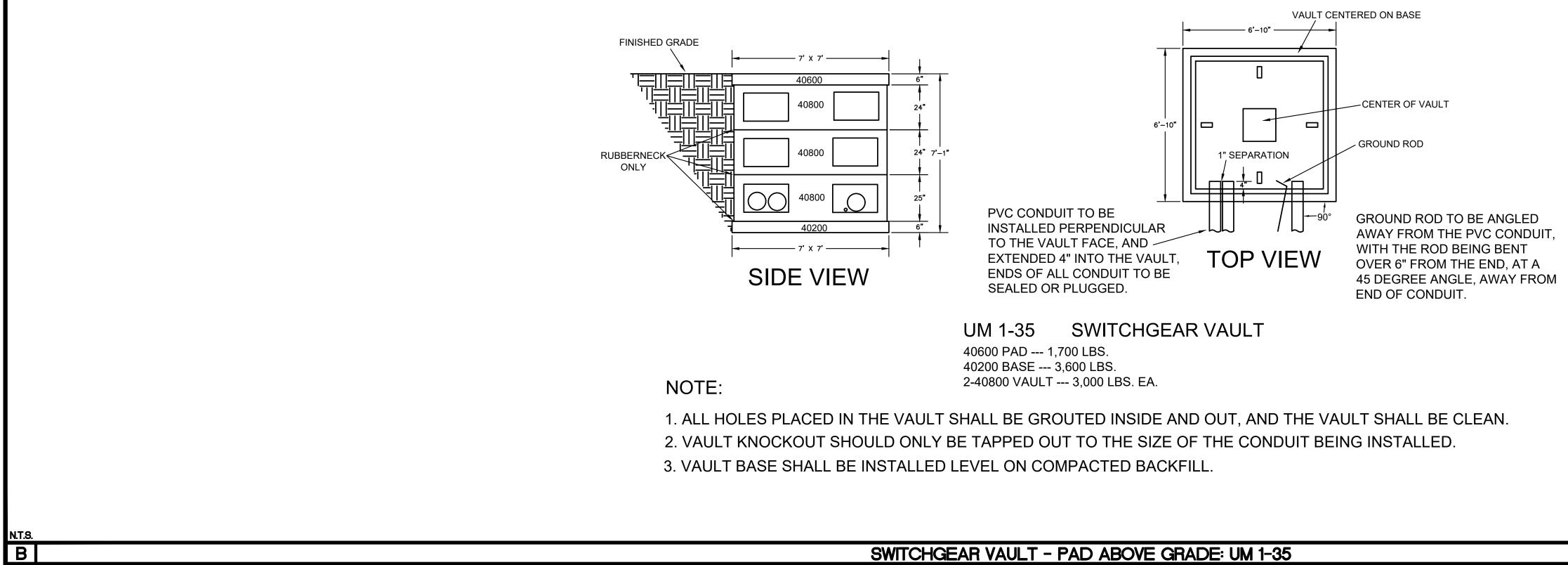


ELECTRICAL VAULT SPECIFICATIONS ------ UM 1-35L









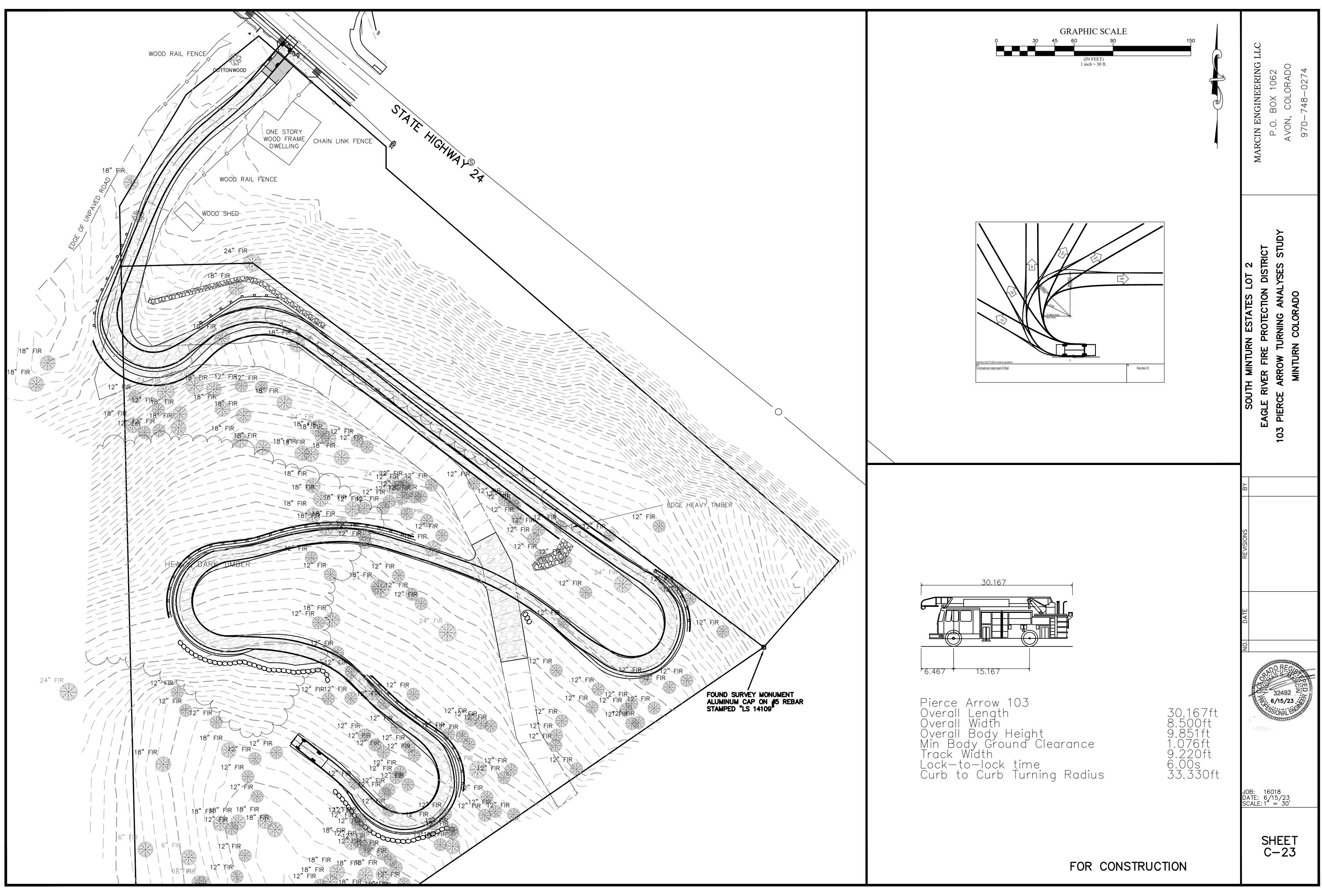
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1. ALL HOLES PLACED IN THE VAULT SHALL BE GROUTED INSIDE AND OUT, AND THE VAULT SHALL BE CLEAN. 2. VAULT KNOCKOUT SHOULD ONLY BE TAPPED OUT TO THE SIZE OF THE CONDUIT BEING INSTALLED. 3. VAULT BASE SHALL BE INSTALLED ON COMPACTED BACKFILL AT THE SLOPE OF THE GROUND SURFACE FINAL GRADE.

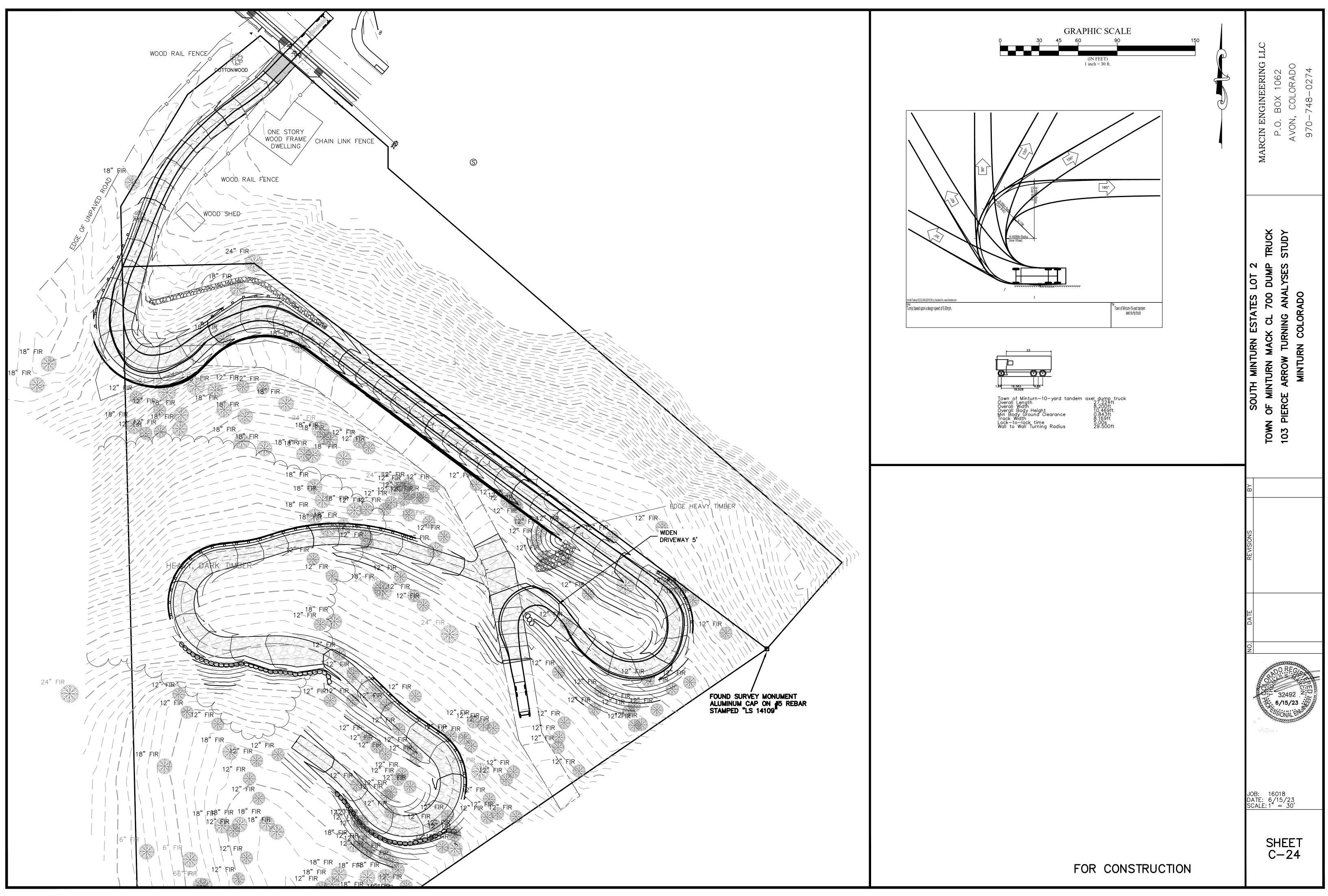
ELECTRICAL VAULT SPECIFICATIONS: UM 1-35L

SWITCHGEAR VAULT --- PAD ABOVE GRADE ---- UM 1-35

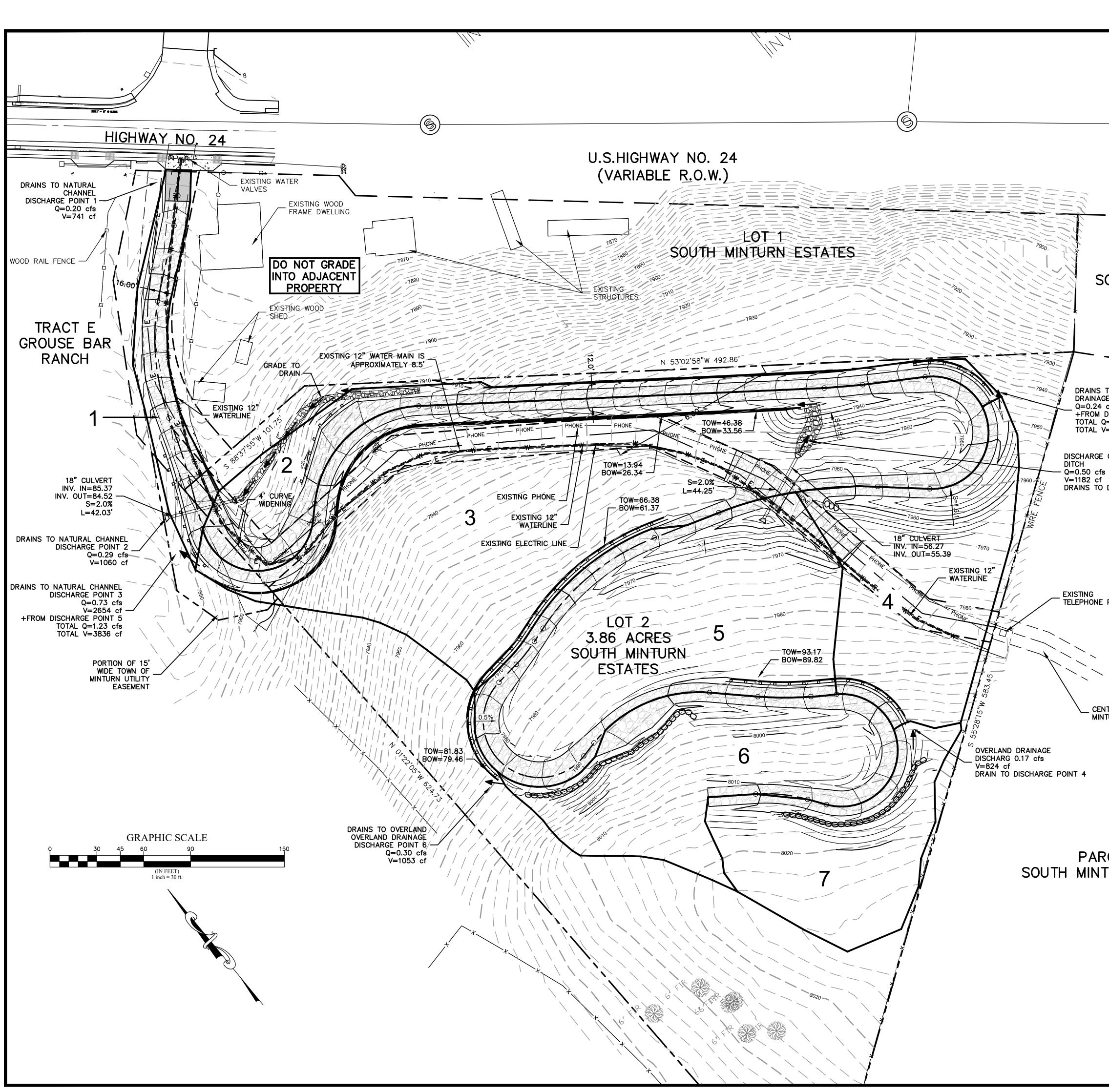
	MARCIN ENGINEERING LLC P.O. BOX 1062 AVON, COLORADO 970–748–0274
	South minturn estates lot 2 Electric construction details Minturn, colorado
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FOR CONSTRUCTION	JOB: 16018 DATE: 6/15/23 SCALE: N/A SHEET C-22



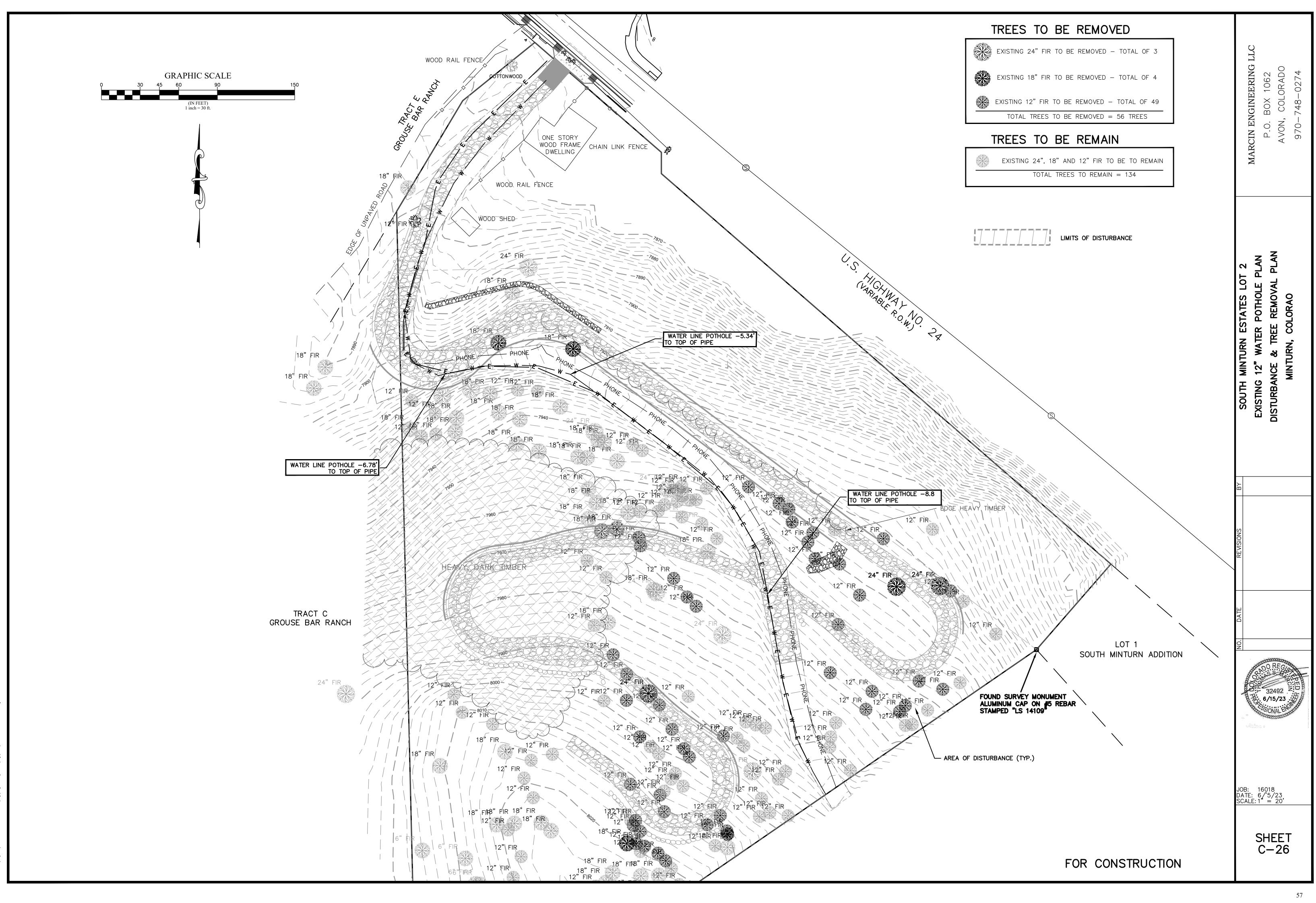
MNC: D: \Projects\16018-Minturn Estates Lot-2\dwg\Single Family Home\dwg\Sheets\16018-Truck Turning Study103



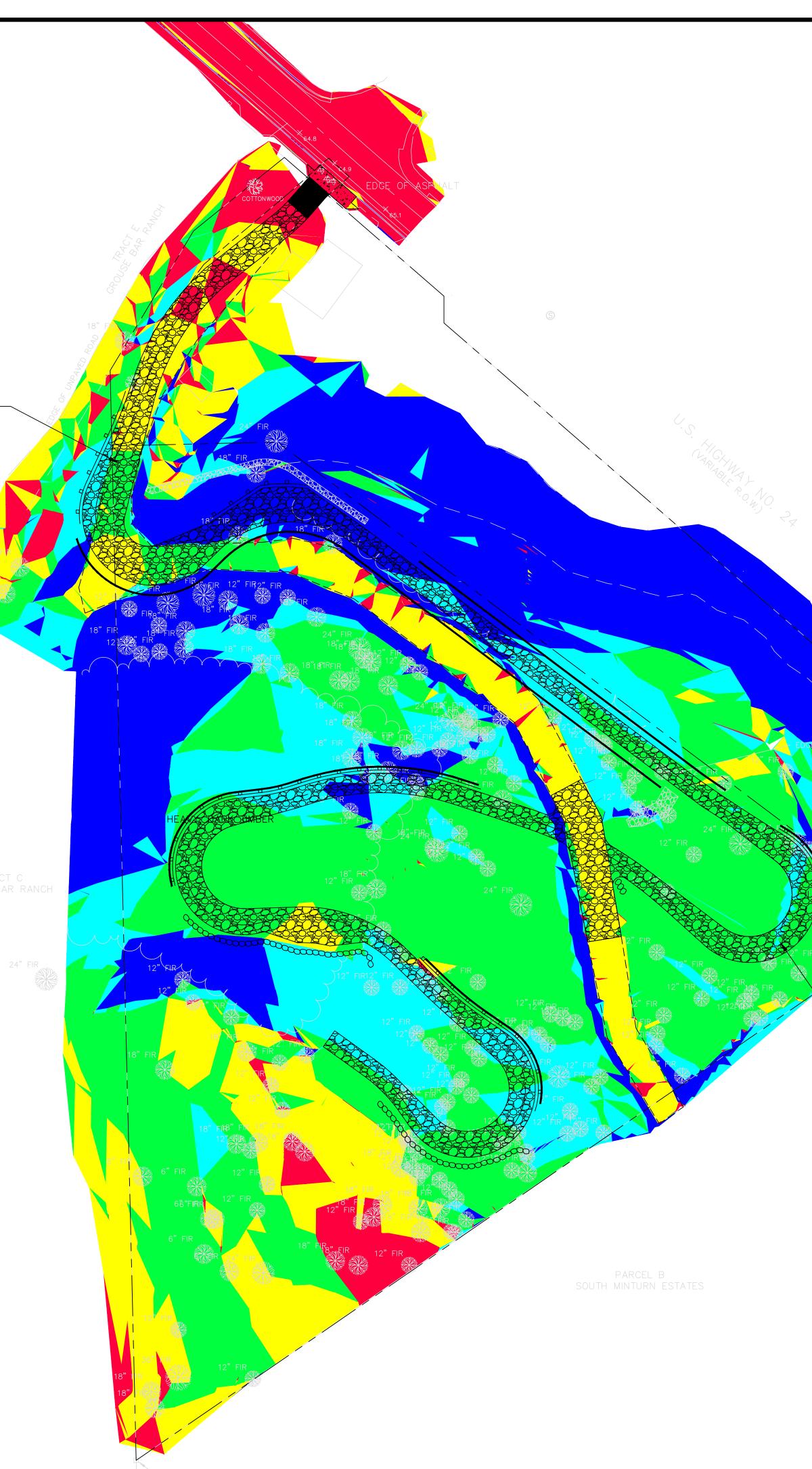
WNG: D: \Projects\16018-Minturn Estates Lot-2\dwg\Single Family Home\dwg\Sheets\16018-Town of Minturn Truck Turning Study10 Yard Tandem 30 foot radius.dw

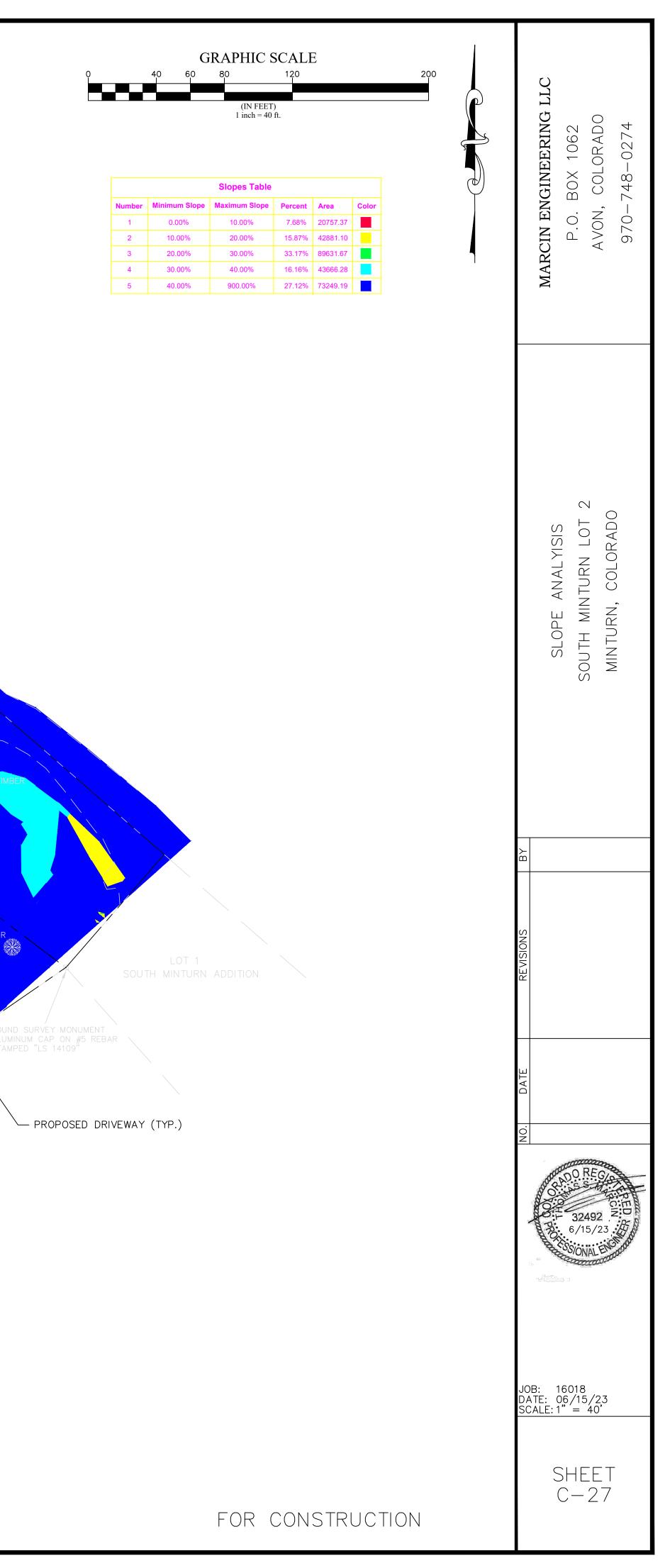


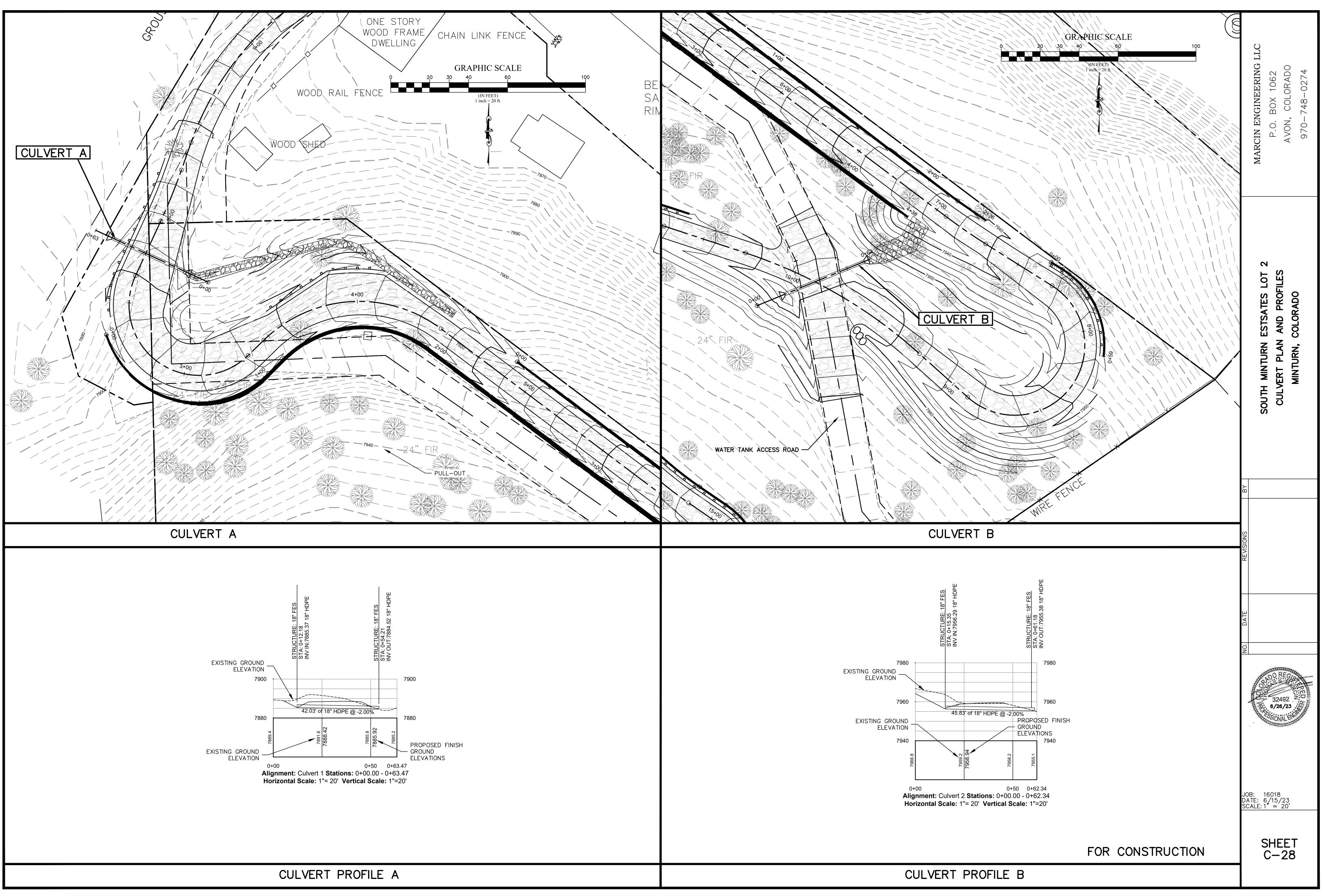
		MARCIN ENGINEERING LLC P.O. BOX 1062 AVON, COLORADO 970-748-0274
LOT 1 OUTH MINTURN ADDITION	GENERAL NOTE • THE SITE WAS SPLIT INTO 7 DRAINAGE AREAS, BASED ON DISCHARGE POINTS. THE MATHEMATICAL AREA (A) WAS OBTAINED FOR EACH AREA. • TO OBTAIN THE RUNOFF COEFFICIENT (C), EACH AREA WAS CONSIDERED AS CONTAINING 3 GROUND SURFACE TYPES: GRAVEL DRIVE, ASPHALT DRIVE, AND WOODLAND. BASED ON AERIAL IMAGERY, THE APPARENT NATURAL	LOT 2 P
TO OVERLAND SE cfs DISCHARGE POINT 7 2=0.41 cfs /=1688 cf GOES TO LOWER 3 DISCHARGE POINT 3	 GROUND SURFACE FOR THE PROPERTY IS A WOODLAND. FOR EACH DRAINAGE AREA, THE COMPOSITE RUNOFF COEFFICIENT WAS THEN CALCULATED AS A WEIGHTED AVERAGE, BASED ON THE AREA OF EACH GROUND SURFACE TYPE. THE RAINFALL INTENSITY (I) WAS BASED ON THE 25Y EAR, 24 HOUR STORM DATA OBTAINED FROM NOAA FOR THE MINTURN AREA. THE RAINFALL DEPTH (D) FOR THAT STORM IS 2.40 INCHES. OUR ASSUMPTION IS THAT 2.40 INCHES MAY FALL WITHIN 1 HOUR IN A 25 -YEAR EVENT. THEREFORE, WE CONSIDER THE RAINFALL INTENSITY TO BE 2.40 INCHES PER HOUR. WE THEN CALCULATED THE RUNOFF FOR EACH DRAINAGE AREA USING THE RATIONAL EQUATION, WHERE THE RATE OF RUNOFF Q = C * I * A, AND THE VOLUME OF RUNOFF V = C * D * A. OVERALL, THE HISTORIC DRAINAGE PATTERN OF THE PROPERTY IS PRESERVED, WHILE REDUCING THE AMOUNT OF DRAINAGE FLOWING TOWARDS EXISTING STRUCTURES ALONG US HWY 24. A SUMMARY OF WHERE THE RUNOFF FROM EACH DRAINAGE AREA FLOWS IS AS FOLLOWS: DRAINAGE FROM AREA 7 JOINS DRAINAGE FROM AREA 4 AND FLOWS OVERLAND TO THE NORTHEAST. THERE ARE NO APPARENT STRUCTURES AT THE BASE OF THE MOUNTAIN TO WHERE THIS DRAINAGE IS ANTICIPATED 	SOUTH MINTURN ESTATES DRAINAGE BASIN MAF DRAINAGE PLAN MINTURN, COLORADO
PED	 TO FLOW. DRAINAGE FROM AREA 6 FLOWS OVERLAND TO THE NORTHWEST AND INTO MARTIN CREEK AFTER ABOUT 200 FEET. O DRAINAGE FROM AREA 5 WILL BE CONTAINED IN SWALES AND JOINS DRAINAGE FROM AREA 3, WHICH THEN FLOWS INTO MARTIN CREEK. DRAINAGE FROM AREA 2 FLOWS INTO MARTIN CREEK. O DRAINAGE FROM AREA 1 FLOWS INTO MARTIN CREEK. 	REVISIONS BY
ITERLINE 15' WIDE TOWN OF TURN UTILITY EASEMENT		NO. DATE
CEL B FURN ESTATES		Bi 6/15/23
		JOB: 16018 DATE: 6/15/23 SCALE:1" = 30'
	FOR CONSTRUCTION	SHEET C-25

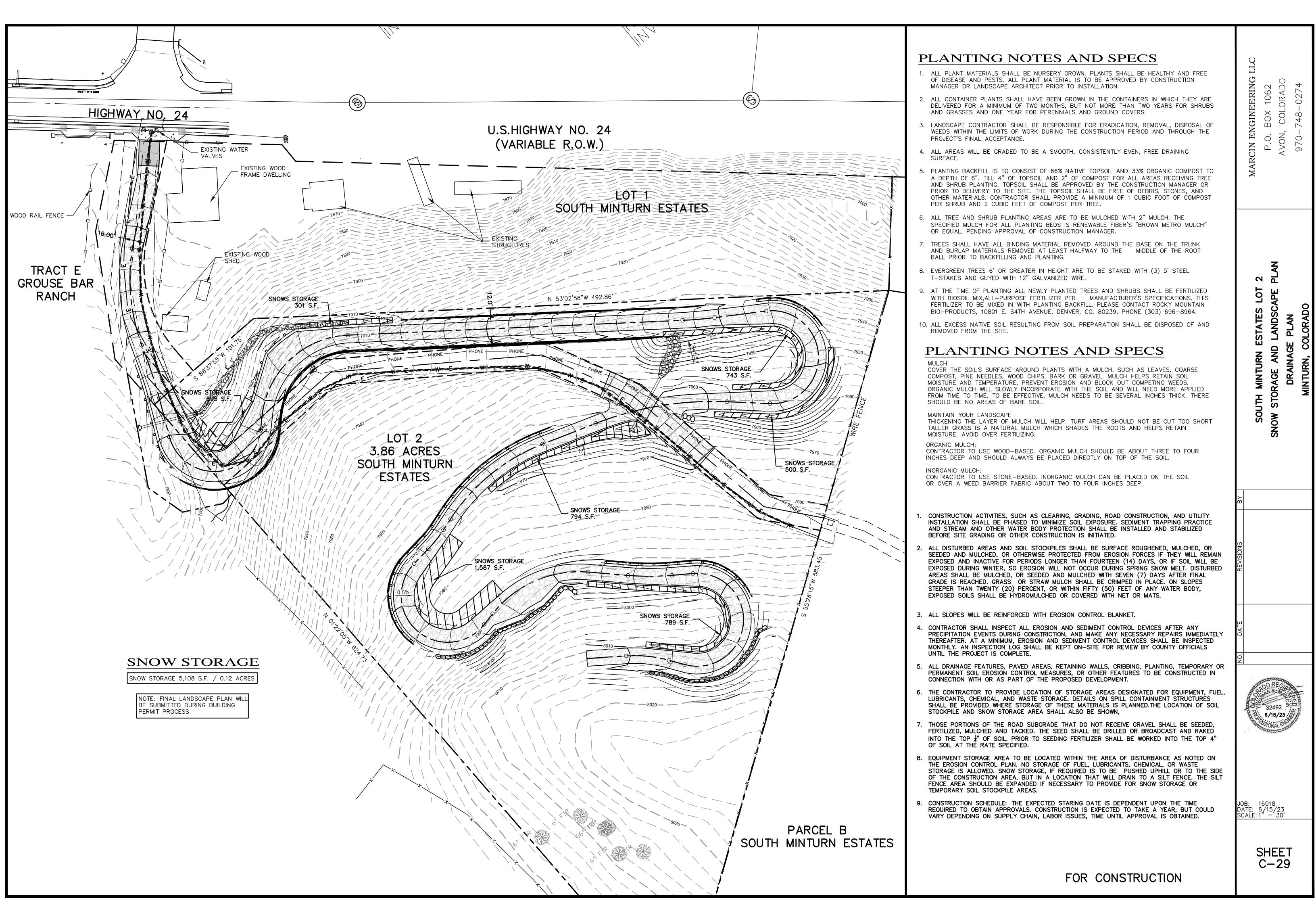


PROPOSED DRIVEWAY (TYP.) -









DESIGN CRITERIA:	MINTURN ESTATES LOT 2 RETAINING WALLS	JOB #:2306-09
Wind (3 Second Gust) RISK Design Category Seismic Design Category: Importance Factor Design Category Site Class SS S1		75 psf 115 mph (Exp. B) II 1.0 B D 0.32 0.079 2021

SPECIAL INSPECTIONS:

a. No special structural inspections are required. Periodic observations of construction by the structural engineer are not considered to be special inspections.

FOUNDATION DESIGN:

- Design of individual and continuous footings is based on a an assumed maximum allowable a. bearing pressure of 1500 psf (dead load plus full live load).
- Foundation and retaining walls have been designed using a an assumed lateral pressure of 50 pcf. c. Footings shall be placed on the natural undisturbed soil, or compacted structural fill per
- the recommendations of the geotechnical engineer, below frost depth. Provide continuous foundation drains around the perimeter of all walls and at the base of
- retaining walls as required. Contact geotechnical engineer for details. e. A representative of the geotechnical engineer shall verify soils conditions and types during excavation. Because geotechnical information was not available at the time of preparation of the construction documents, we have used assumed values based on similar sites in the area. Construction of the foundation may not proceed without verifying these values. Report any discrepancies from the design assumptions to the structural engineer for re-evaluation of the foundation design. f. Backfill around and above structural buttresses and retaining walls shall be
- compaction-tested per the recommendations of the geotechnical engineer.
- Do not backfill against retaining walls until supporting elements are in place and securely anchored, or adequate shoring is installed. Concurrent backfilling of each side of a free-standing retaining wall to final grades as indicated on plan or section is required
- unless temporary shoring is installed. h. Verify type of fill with soils engineer and structural engineer prior to backfilling.

BACKFILL (UNLESS NOTED OTHERWISE BY GEOTECHNICAL ENGINEERING REPORT):

- a. Backfill shall be placed in lifts no greater than 6" and compacted to 95% in accordance
- with ASTM 1557. Onsite backfill may be used as long as it meets the minimum design values identified in
- the geotechnical report. c. Backfill may not contain any organic material.

MECHANICALLY STABILIZED EARTH:

- a. Areas indicated on plan as being backfilled with mechanically stabilized earth (MSE), unless designed by others, shall follow the following guidelines: Geotextile fabric shall be woven type reinforcement fabric, TenCate Miragrid XT in the 1.
- specifications shown on the plans. Geotextile shall be looped through the block facing as indicated in the Redi Rock installation guide.
- Fabric and backfill shall be laid up in a wrapped-face configuration with the layer heights, lengths of reinforcement and wrap lengths as indicated on plan. For granular soil backfill, compaction testing may be done according to a "method 3.
- specification": Type of fill shall be approved by the geotechnical engineer. R
- The water content and number of passes to obtain the specified compaction (95% of Standard Proctor density, unless otherwise specified) shall be observed by the geotechnical engineer and recorded as tested for the first two (or three) lifts. Subsequent lifts may be constructed per the recorded specifications without further observation or testing by the geotechnical engineer.
- If gravel backfill, as approved by the geotechnical engineer, is used, no compaction testing is required. Provide perimeter drains per geotechnical engineer.
- Block facing shall be per the requirements on the GRAVITY SEGMENTAL BLOCK 6.
- RETAINING WALL specifications listed above and shall be Redi-Rock PC
- Block and MSE shall be constructed per the requirements of Redi-Rock, Contractor shall consult with the manufacturers rep.
- Block cores shall be filled per Red-Rock requirements after the geogrid is installed.

SOIL-REINFORCED SEGMENTAL RETAINING WALLS:

- a. Soil-reinforced segmental retaining wall design is based on the "National Concrete Masonry
- Association (NCMA) Design Manual for Segmental Retaining Walls. b. Contractor shall follow the construction guidelines stated in the NCMA Design Manual for
- Segmental Retaining Walls, or manufacturer's specifications. This retaining wall has been designed according to the design recommendations set forth с. in the geotechnical report.
 - 1. Max. allowable bearing pressure = psf (dead load plus full live load).
 - Lateral earth pressure "active" = pcf Sliding Coefficient = 0.50 (ASSUMED)
 - Angle of internal friction = degrees
 - 5. Moist unit weight (backfill) = pcf

d. The geosynthetic reinforcement fabric shall posses the following minimum design properties, determined by product specific testing as defined in the NCMA Design Manual for Segmental Retaining Walls (Section 3.5).

GEOGRID TYPE	LTDS	<u>C(i)</u>	<u>C(ds)</u>
Geogrid "A"	700 lb/ft	0.7	0.95
Geogrid "B"	1600 lb/ft	0.7	0.95

Segmental retaining wall (SRW) units shall meet the following structural requirements: e. SRW units shall be machine-formed concrete blocks specifically designed for retaining wall applications.

- Load bearing concrete masonry units shall conform to ASTM C90. 3.
- Units shall be positively interlocked to provide a minimum shear capacity of 400 lb/ft and the angle of friction between SRW units of 30 degrees as tested in accordance with NCMA SRWU-1 4. Units shall provide a minimum connection strength between it and the geosynthetic
- reinforcement of 200 lb/ft and the angle of friction for connection of SRW units to geogrid of 40 degrees as tested in accordance with NCMA SRWU-2.
- Vertical drainage layer behind the wall face shall be placed no less than one cubic foot per one square foot of wall face or as otherwise specified by the soils engineer. Infill soil and common backfill type and placement shall be approved by the soils engineer.

GRAVITY SEGMENTAL BLOCK RETAINING WALLS:

a. Contractor shall follow the construction guidelines stated in the NCMA Design Manual for Segmental Retaining Walls (Section 6), AASHTO and manufacturer's specifications. This retaining wall has been designed according to the design recommendations set forth b.

- in geotechnical report #16-7-486 by H-P Kumar dated December 19, 2017. Max. allowable bearing pressure = 2500 psf
- Angle of internal friction = 28 degrees Moist unit weight (backfill) = 130 pcf Cohesion = 0 psf c. Segmental retaining wall (SRW) units shall meet the following structural requirements: SRW units shall be Redi-Rock gravity blocks in the texture indicated by the Architect. Load bearing concrete masonry units shall conform to ASTM C90. Units shall meet the following:

Α.	Unit Weight	= 1	30 pcf
В.	Shear Capacity	= 1	700 lbf/ft
С.	Max Shear Capacity	= 9	9000 lbf/ft
D.	Friction	= 7	75 degrées
Vertical	drainage layer behind	he wall face shall	be placed no less

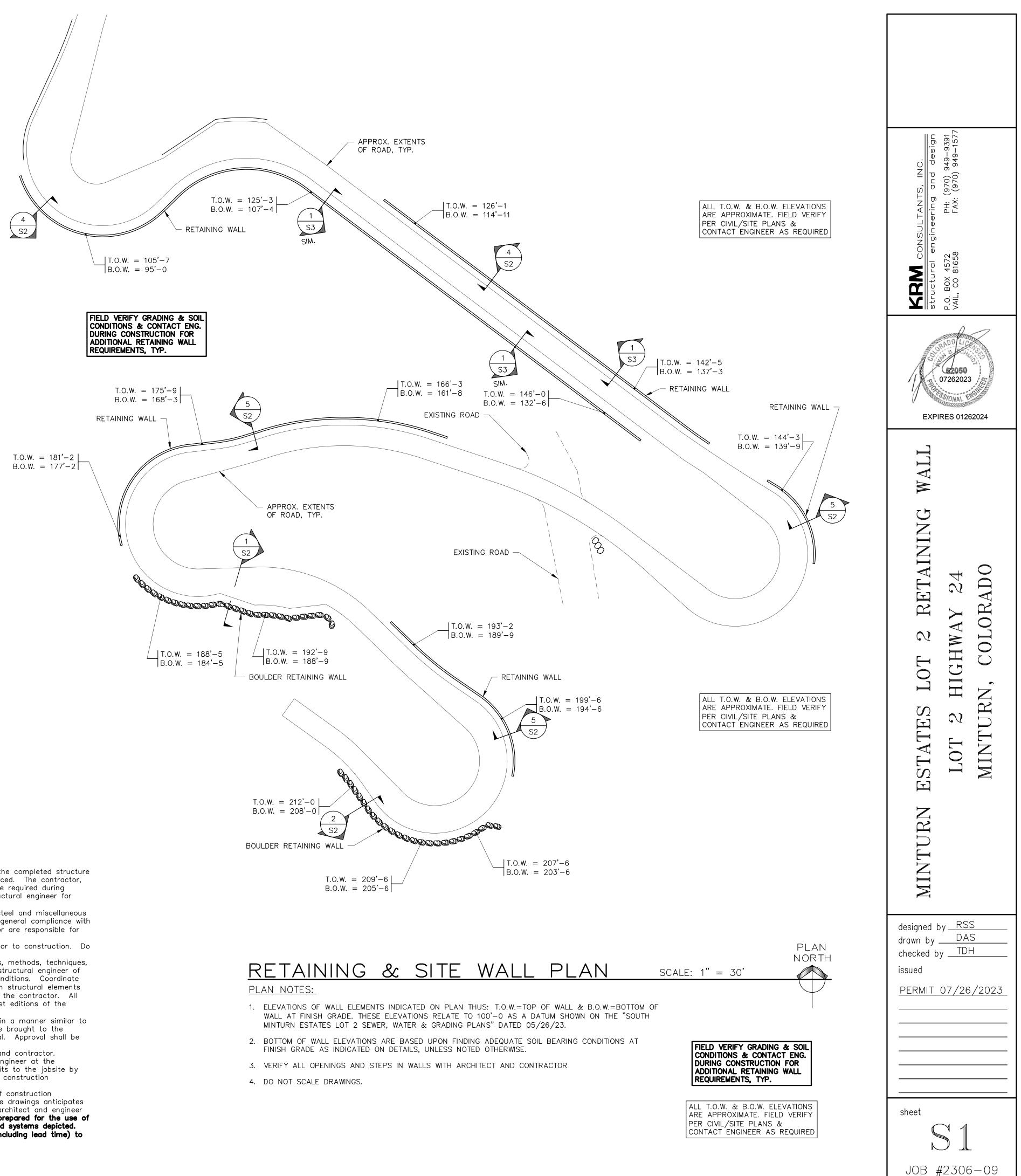
than one cubic foot per one square foot of wall face or as otherwise specified by the soils engineer.

e. Infill soil and common backfill type and placement shall be approved by the soils engineer.

GENERAL REQUIREMENTS:

- consultation (not in contract) as required.
- b.
- not scale drawings.
- IBC/IRC.
- obtained prior to installation.

adhere with the schedule of project.



a. Structural erection and bracing: The structural drawings illustrate the completed structure with all elements in their final positions, properly supported and braced. The contractor, in the proper sequence, shall provide shoring and bracing as may be required during construction to achieve the final completed structure. Contact structural engineer for

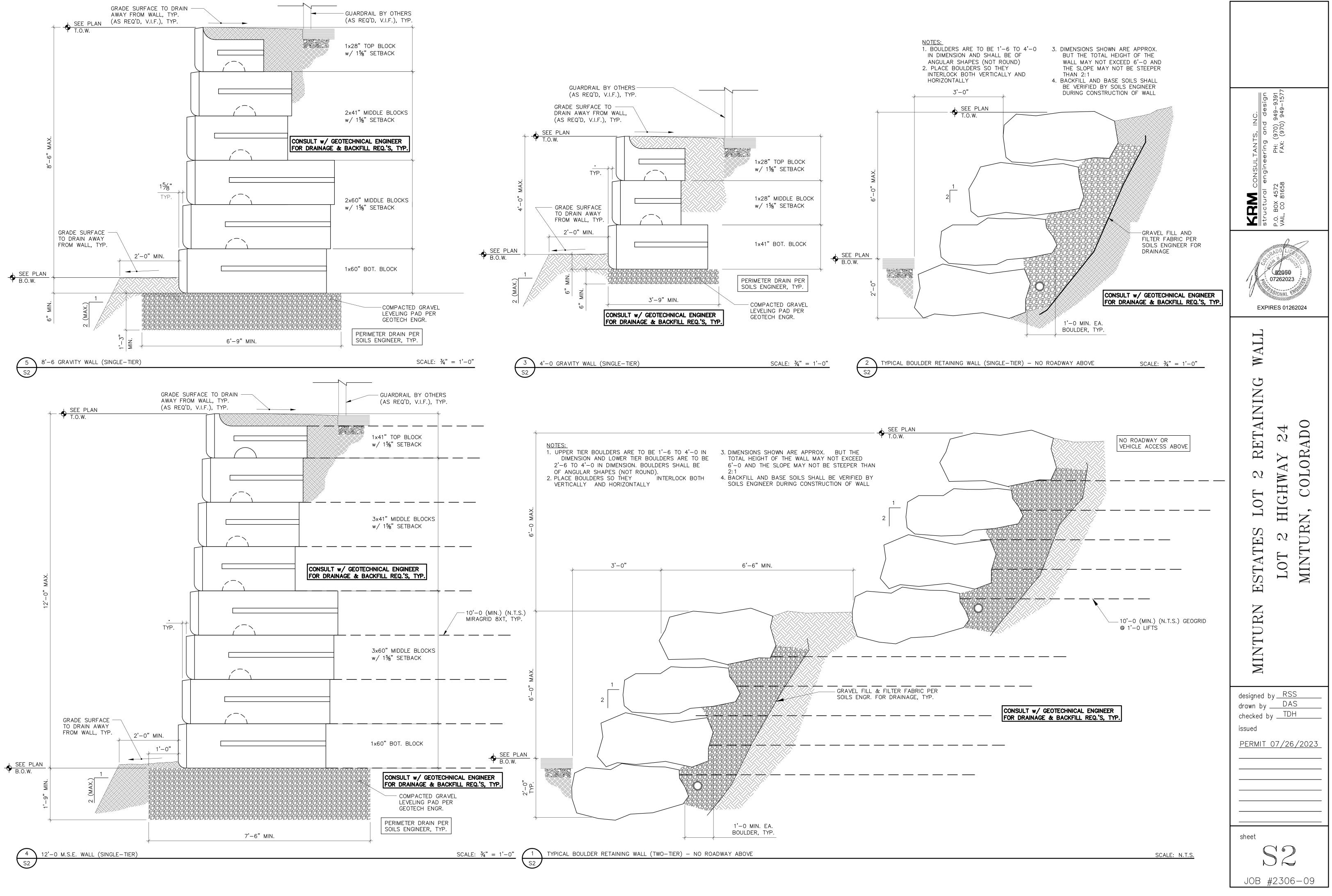
Shop drawings: Submit shop and erection drawings for structural steel and miscellaneous steel to engineer for review prior to fabrication. This review is for general compliance with the intent of the structural design. The architect and/or contractor are responsible for checking quantities, dimensions and coordination with other trades. c. Dimensions: Check all dimensions against architectural drawings prior to construction. Do

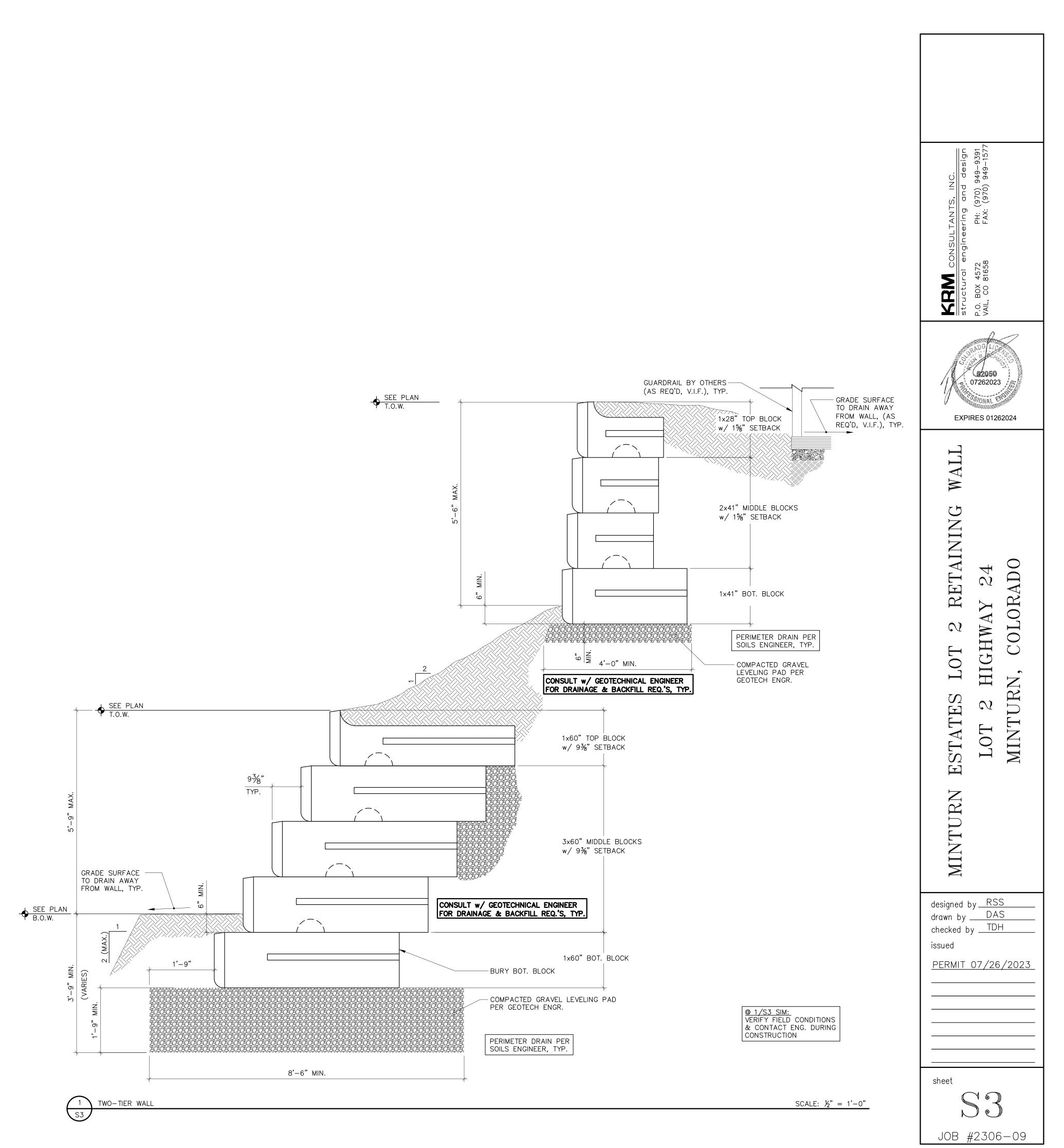
d. Construction practices: General contractor is responsible for means, methods, techniques, sequences and procedures for construction of this project. Notify structural engineer of omissions or conflicts between the working drawings and existing conditions. Coordinate requirements for mechanical/electrical/plumbing penetrations through structural elements with structural engineer. Jobsite safety is the sole responsibility of the contractor. All methods used for construction shall be in accordance with the latest editions of the

e. Details not specifically shown on the drawings shall be constructed in a manner similar to the details that are shown for like conditions. These items shall be brought to the attention of the structural engineer as soon as possible for approval. Approval shall be

All waterproofing and flashing is the responsibility of the architect and contractor. It is the responsibility of the contractor to contact the structural engineer at the appropriate time to perform site observation visits. Observation visits to the jobsite by the engineer are for determination of general conformance with the construction documents and shall not be construed as inspection.

h. Though every effort is made to provide a complete and clear set of construction documents, discrepancies or omissions may occur. Release of these drawings anticipates cooperation and continued communication between the contractor, architect and engineer to provide the best possible structure. These drawings have been prepared for the use of a qualified contractor experienced in the construction techniques and systems depicted. General contractor is responsible for ordering structural elements (including lead time) to





Colorado Parks & Wildlife: Presentation to Minturn Town Council

August 2nd, 2023 District Wildlife Manager Devin Duval

Discussion Items:

- Minturn's Importance
- State of Wildlife
- Recreation Impacts
- Local studies of Rec
- Rec ZOI Exercise
- Historic MOUs
 - Meadow Mtn
 - SBLS
- County Survey
- What next?
- Maloit Park/Bolts Lake
- Conversation

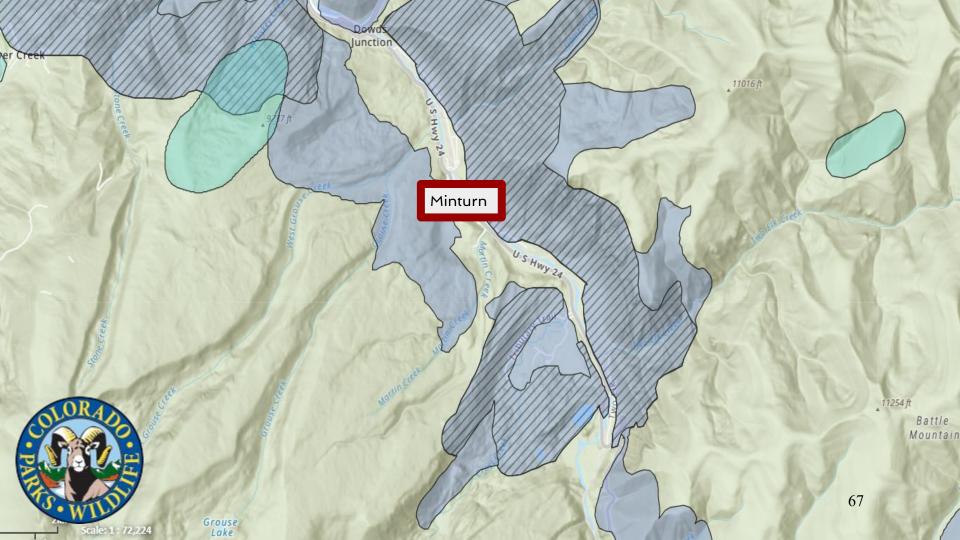




Why is Minturn Important?

 Geography Topography 0 **Relative elevation** 0 • Habitat types • The people

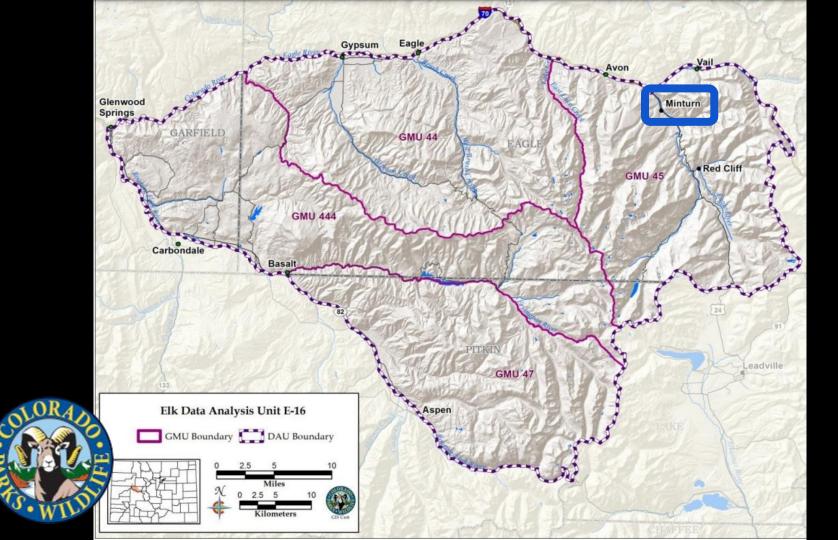




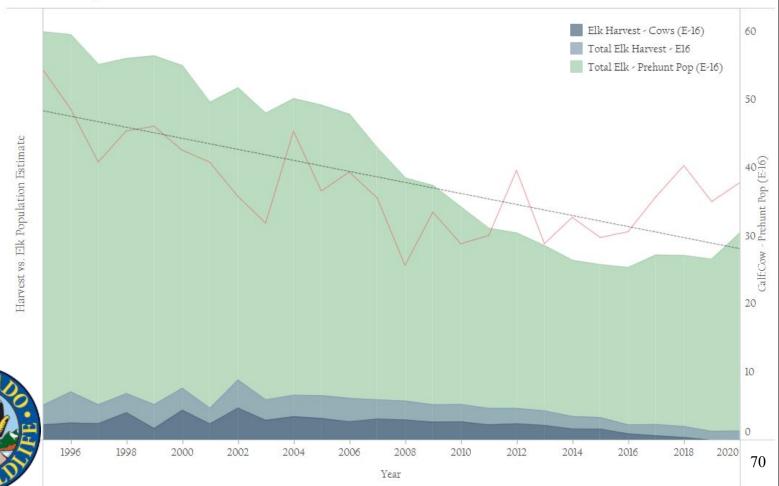
Current State of Wildlife in Minturn

- **60% population loss for elk** Data Analysis Unit (DAU) E-16 since early 2000's.
- ~99% reduction in limited elk licenses for 5+ years
- Limited recovery (calf:cow ratios remain exceedingly low)
 Hunting has little effect
- **Disproportionate losses to elk population** in the local unit in which Minturn is situated (GMU 45) compared to other units in the DAU

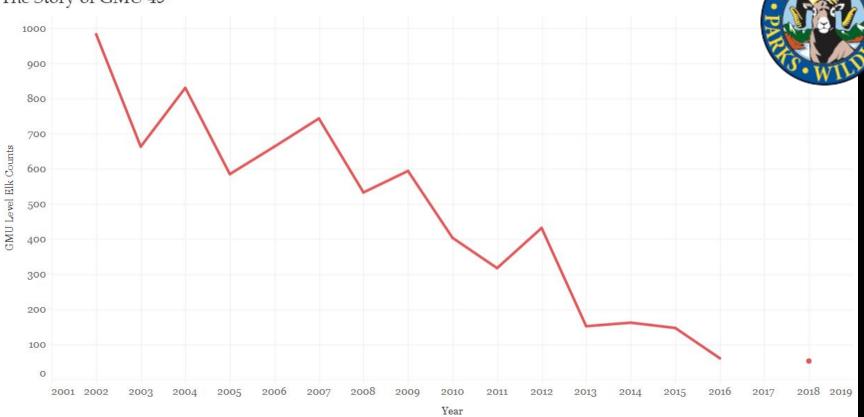




E-16 Elk Population Trends



The Story of GMU 45



Recreation Impacts

- Displacement and radiating effect
- Calories expended during critical seasons
- Vigilance vs. Time Feeding
- Separation from young
 - Compromised body condition prior to calving
 - Calf Weight >35lbs = 90% chance of survival
 - Calf Weight <25lbs = less than 50% chance of survival
- In-utero abortions
 Stillbirth of calf fetus

Local Studies

Phillips & Alldredge: Beaver Creek and Vail Mtn Elk study:

- 1995 1997 Vail Associates funded
- Measured and documented the effects of recreational disturbance on reproductive success of elk.



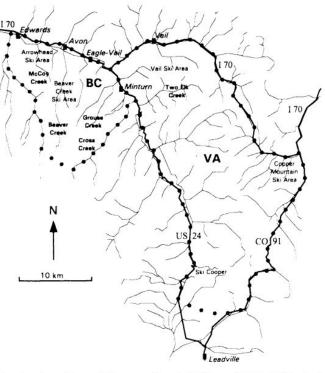


Fig. 1. Location of Beaver Creek (BC) and Vail (VA) study areas in central Colorado. Approximate boundaries of study areas shown by dotted lines. 73

Findings:



ting treatment Beaver Creek ly, and 0 treatyear cells) was ear interaction ta, but due to year cells) and eared that the v substitute for 26, P = 0.075). and year main ious covariate that the covarfor main-ef-= 10.962, P =calf/cow pro-

rors were 0.1410 and 0.0319 for intercept and slope, respectively.

Population modeling using a calf/cow proportion of 0.657 (treatment-effort covariate model output for 0 disturbances) indicated an annual growth rate of 7%. This growth rate includes the effect of some unknown level of disturbance of Beaver Creek and Vail elk from existing levels of human activity during calving season, but not treatment disturbance. Adding 10 calving-season disturbances/cow to ambient disturbance levels produced no growth (at 0.363 calves/cow), and >10 disturbances caused population decline. Although our model is approximate, it suggests that 1997 treatment levels were nearly high enough to curtail population growth (1% annual population growth at 8.3 disturbances/cow).

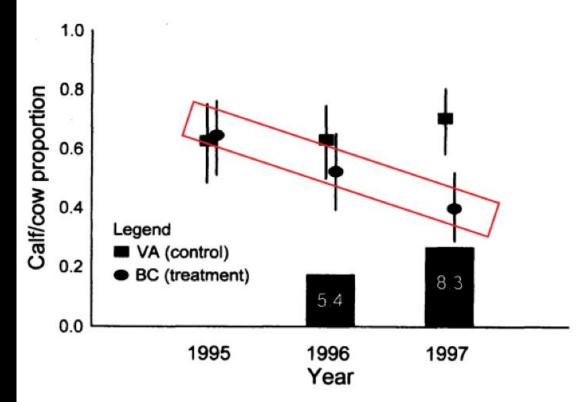




Fig. 2. Calf/cow proportions and 95% CI for Beaver Creek (BC) and Vail (VA) study areas (symbols), and average number of reliable BC disturbance treatments/marked cow (histogram). No treatments were applied in 1995.

ZOI:

Author	Species	Motorized	Non- Motorized
Rogala et al (2011)	Elk	51-800	
Citui et al (2012)	Elk	500	
Preisler et al (2013	Elk	1000	200-500
Wisdom et al (2018)	Elk	558-879	558-879
Wisdom (2005)	Elk	1500	500-1500
Taylor and Knight (2003)	Deer		390
Edge (1982)	Elk	750	
Sawyer (2009)	Deer	2610	
Wisdom (2018)	Elk	500-1500	
Average (meters)		970	646



Literature review regarding the observed Zone of Influence (ZOI) from motorized and non-motorized trails for mule deer and elk (*all results in meters*).

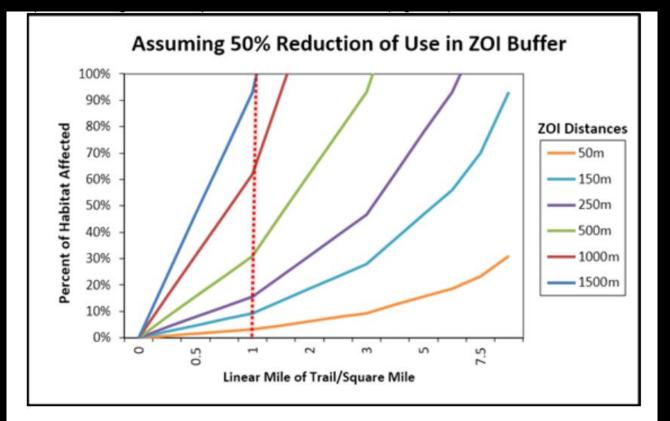




Figure 1. Adapted from Hebblewhite (2008), this chart shows the relationship between increasing trail density and increasing areas of avoidance from trails based on available literature, with the percent of available habitat that is affected by indirect impacts.

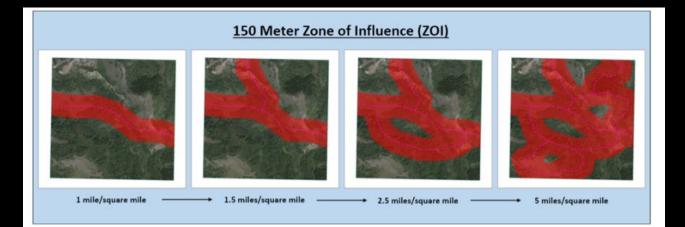
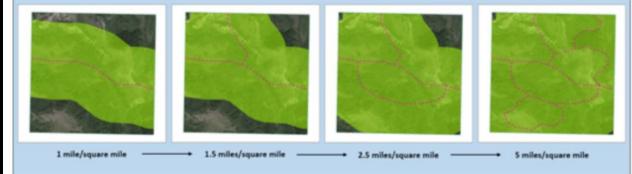
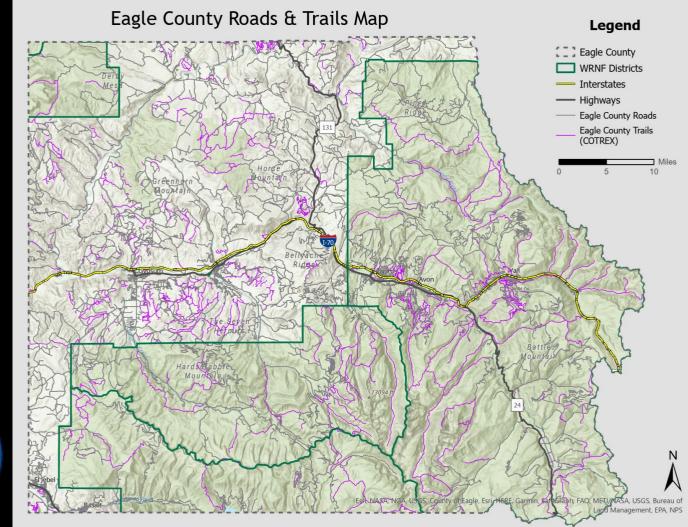


Figure 2. Examples of increasing trail densities with 150 meter and 500 meter zones of influence surrounding the trail footprint.

500 Meter Zone of Influence (ZOI)

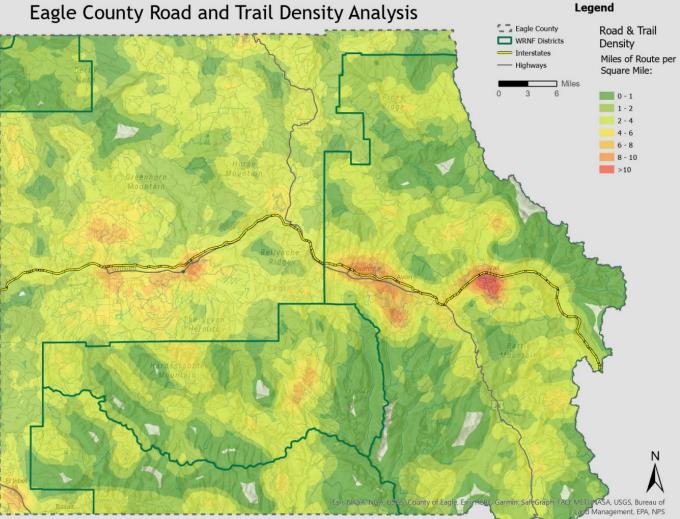




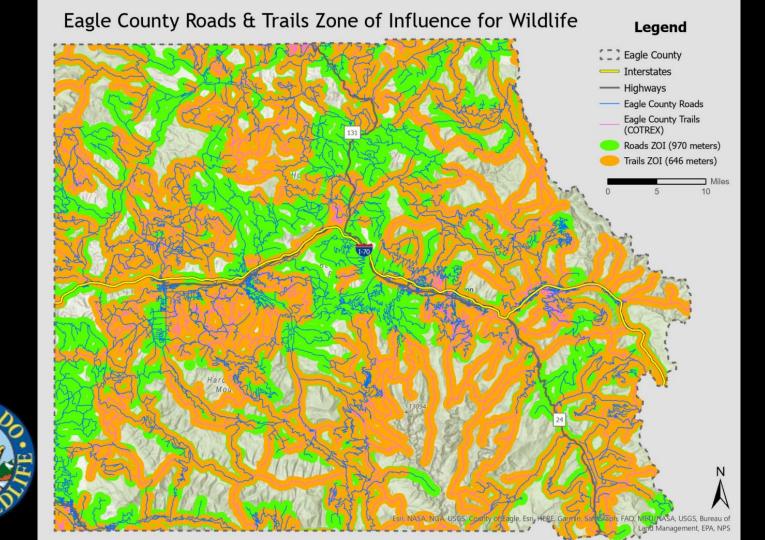




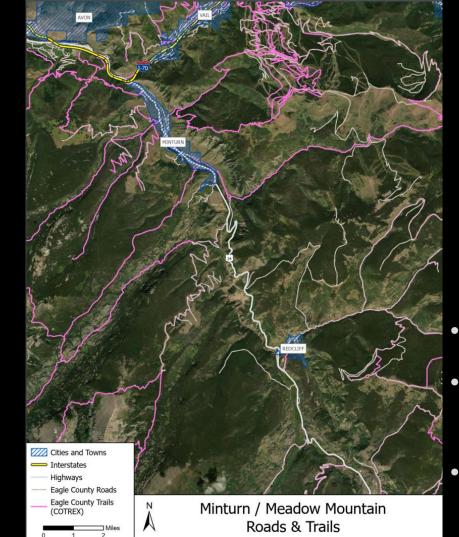




Legend

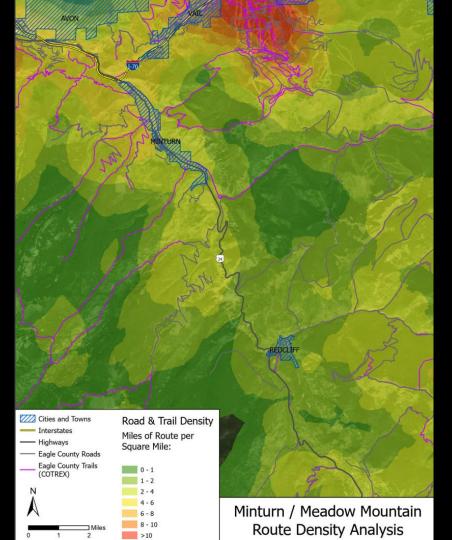






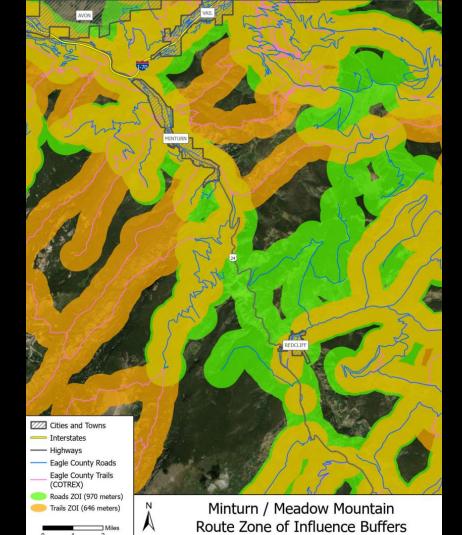
- Does not include dispersed motorized *(Meadow Mtn*).
- Does not include dispersed or backcountry skiing (*Game Creek, Two Elk Creek, Grouse Creek*).
- Does not include illegal trail networks.





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MEADOW MOUNTAIN COOPERATIVE AGREEMENT THE COLORADO DIVISION OF WILDLIFE

AND

THE FOREST SERVICE

U. S. DEPARTMENT OF AGRICULTURE

AND -

THE BUREAU OF LAND MANAGEMENT

U. S. DEPARTMENT OF INTERIOR/

AND

VAIL ASSOCIATES, INC.

AND ...

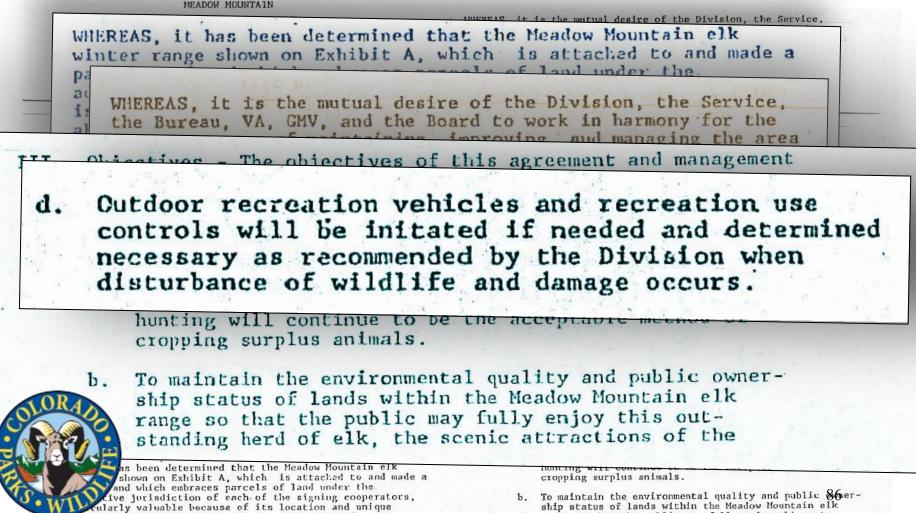
GROUSE MOUNTAIN AT VAIL, LTD.

AND

· COLORADO STATE LAND BOARD .

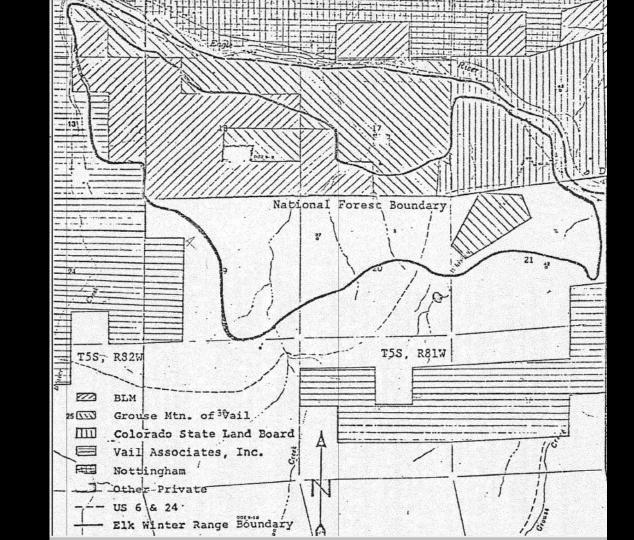


This Cooperative Agreement made this 10⁴⁴ day of Fearwary, 1975, by and between the Colorado Division of Wildlife, hereinafter called the Division; the Forest Service, U. S. Department of Agriculture, hereinafter called the Service; the Bureau of Land Management, U. S. Department of the Interior, hereinafter called the Bureau; Vail Associates, Inc., hereinafter called VA; Grouse Mountain at Vail, Ltd., hereinafter called GMV: and Colorado State Land Board, hereinafter called the Board.



apprilty to support a large wintering herd of elk; and

range so that the public may fully enjoy this outstanding herd of elk, the scenic attractions of the









Meadow Mountain Skimo Race

Saturday, February 05, 2022 , 8:00am-10:00am Add to Calendar

Location Meadow Mountain 24747 US Highway 24 Minturn, CO Directions

Price

\$25.00 to \$36.00—Adult \$36 prereg/\$47 day-of, student \$25 prereg/\$35 day-of





Great season ends abruptly

Vail Resorts pulls the plug on possibly reopening, tells seasonal employees to make plans to return home. A3



Tuesday, St. Patrick's Day. Meadow Mountain is normally a popular place for winter recreation, and yet, since the resorts have closed, it's even busier.

HILARIO ROMAN

Homesteake Peak School

Mostly cloudy



everyone's hands, puzzles may not be a bad option. FOR THE FULL STORY, SEE PAGE 415

LOCAL & REGION

Local restaurant, bar suppliers feeling the pinch. SEE PAGE A4.

COMMENTARY

It's really simple in this coronavirus fight: Are you helping or not helping. FOR THE FUEL STORY, SEE PAGE A6.

For the latest information on COVID-19 in Eagle County. go to www.ecemergency. org/.



LOCAL & REGION Florida couple finds wedding bliss in Vail. despite the companies shutdown, FOR THE FULL STORY, SEE PAGE A2.



ENJOYING SOME SUNSHINE



Music on Meadow Mountain

Wednesday, June 15, 2022 , 6:00pm-8:30pm Add to Calendar

Location Meadow Mountain 24747 US Highway 24 Minturn, CO (970) 827-9725 Directions

Price \$30.00





COLORADO PARKS & WILDLIFE

Conservation at the intersection: Examining residents' perceptions of and preferences for wildlife, outdoor recreation, and development

TECHNICAL PUBLICATION NUMBER 60 • JULY 2022



Eagle County Survey

- Conducted in late 2021, report and findings complete in 2022.
- Written and implemented by CPW Social Dimensions Scientists (Dr. Mike Quartuch and CSU graduate team).
- Relative to other surveys in the valley?
- What was found?...
- Significant county-wide wildlife concerns
 - Little public engagement



Land use preferences and tradeoffs

- ▶ The majority of Eagle County residents would like to see open spaces be a top priority for the county.
 - More than three-quarters (77%) of respondents believed that acquiring, maintaining, and preserving open space over the next 5-10 years should be a high priority and 18% would prefer it be a medium-level priority.
- Overall, respondents prefer seeing wildlife habitat protected even if that limits future land use development projects or outdoor recreation opportunities.
 - About 82% of mail and 75% of telephone survey respondents agreed with statements prioritizing the protection of wildlife habitat even if doing so restricts future land use development projects.
 - More than three-quarters (77%) of mail respondents agreed that wildlife habitat should be protected even if doing so limited future outdoor recreation opportunities compared to 73% of telephone respondents.



Similarly, the majority of mail survey respondents (77%) would prefer more outdoor recreation
opportunities even if doing so limits future development projects. Fewer (64%) telephone respondents
agreed with this statement.

What now?

- Little Beach Rec Area
- Haymeadow/M.M.
- Two Elk
- Bolt's Lake & Maloit Park
- Need vs. Want











To:Minturn Town CouncilFrom:Michelle MetteerDate:August 2, 2023RE:Town Manager Update

Wildlife & Trash Service

Wildlife is out! We appreciate that humans are infringing on the wildlife's habitat, and we should be cognizant of our impacts. All residents and businesses are required to have wildlife proof trash containers if they are kept outside. Unfortunately, this doesn't do any good when those containers are broken (by wildlife) and not replaced with new containers in a timely manner. The town continues to struggle with timely service for the repair and/or replacement of broken refuse containers and it is the wildlife that will suffer. The staff is now considering bringing forward an RFP for a new trash service contract. Some of the containers around town have been waiting almost a month for replacement.



Geronimo – (Frank Sanders' Car)

Most of you are familiar with Frank's car. Here is a picture for anyone unfamiliar with the blue, rusted, vehicles which has lived on the 100-block of Main Street for decades:



newsletter-understanding-your-water-bill.

The vehicle was recently towed to the Eagle Park parking lot for repairs. Public parking requirements include the moving of vehicles every 72 hours. Typically, a vehicle in violation would be ticketed and then towed. Staff acknowledges the history of this vehicle within the community and seeks direction from Council on addressing this funky and eclectic issue <u>without</u> having it towed.

Water Rates Special Edition Newsletter

The second edition of the Water Newsletter Series went out on July 27, 2023. This edition covered water rates and how they are calculated. Here is a link to the two Special Edition Water newsletter issues thus far: https://www.minturn.org/home/news/special-edition-

Dog Poop Pick-up Signs

A recent Council discussion centered around the dog leash law, which quickly divulged into a poop pick-up discussion. Unfortunately, even with the installation of 15+ dog waste stations around town with free dog bags provided, some dog owners are still choosing not to pick up their dog's poop. This is happening throughout town, is against the law and most importantly (in my opinion) makes for terrible resident behavior. Typically, the town takes a friendly approach to addressing issues when possible. For this issue, a friendly approach is no longer possible. The following signs are being installed around town identifying this poor behavior in the hopes that shame will make these dog owners pick up the poop.

Water Treatment Plant Alternatives Analysis

I am hopeful the updated water treatment plant alternatives analysis will be completed by the end of July. Staff and consultants are preparing for a discussion with the Water Committee in early August and then a public discussion will (hopefully) take place by the August 16, 2023, council meeting.

Eagle County Community Wildlife Roundtable

The Roundtable met on Wednesday, July 26th for an update on the mapping progress the steering committee is making. With the award of the \$75,000 grant along with matching funds from the Vail Valey Mountain Trails Alliance, Eagle Valley Land Trust, and others, the group is working to better understand the direction of the Roundtable. The steering committee will bring forward updated mapping along with draft charter language for the entire Roundtable to review in late September.

Evacuation Planning – Let's be prepared!

I am currently working with the Eagle County Sheriff's office for a tabletop evacuation exercise next spring. This exercise will include all parties who respond in the event of a natural disaster/emergency and is extensive in nature. The exercise is internal for the purposes of coordinating the event. We expect to follow-up this exercise with a full, town-wide evacuation drill the following spring of 2025.

Main Street Sidewalks Phase II

Work is getting underway in preparation for phase two of the sidewalk construction along Main Street/HWY 24. This work will be the construction of curb, gutter, drainage, and sidewalk from the current southern end of sidewalks southward as far as funding will allow. Early work will include surveying, sub-utility engineering, and completion of the design and engineering documents.

Why are you not picking up your dog poop?



Minturn, CO