

Landscape Architectural Plans for:

CE

Oil and Gas Pad Site

Loveland, Colorado

Plans Prepared For:

MRG, LP
2725 Rocky Mountain Avenue
Suite 200
Loveland, CO 80538

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Vicinity Map:



Landscape Sheet Index:

SHEET LS 01	COVER SHEET
SHEET LS 02	LANDSCAPE AND BUFFER YARD PLAN

General Notes:

- GRADES DISTURBED SHALL MATCH OR IMPROVE EXISTING GRADES TO PROVIDE POSITIVE DRAINAGE AWAY FROM STRUCTURES OR TO DRAINAGE AREAS AND SWALES WHILE PROVIDING A SMOOTH TRANSITION BETWEEN ALL ADJACENT UNDISTURBED GRADES AND PROPOSED GRADES.
- JOB SITE TO BE KEPT CLEAN AT ALL TIMES AND CONSTRUCTION AREAS ARE TO BE MAINTAINED FOR SAFETY.
- ALL SOILS DISTURBED WITHIN AND ADJACENT TO WORK AREA, INCLUDING AREAS OUTSIDE OF CONSTRUCTION LIMITS, DUE TO NEW CONSTRUCTION ARE TO BE REGRADED AND SURFACE CONDITIONS REPAIRED BY RESEEDING THESE AREAS PER THE NATIVE GRASS SEED MIX NOTES THIS SHEET.
- PROTECT EXISTING SURFACES AND SOILS, BOTH INSIDE AND OUTSIDE OF CONSTRUCTION LIMITS, DURING CONSTRUCTION. IF GRADES, CONCRETE OR ASPHALT ARE DAMAGED DUE TO CONSTRUCTION OPERATIONS OR WEATHER THE CONTRACTOR IS RESPONSIBLE FOR REPAIR TO THAT EQUIVALENT TO EXISTING CONDITIONS AT NO EXPENSE TO THE OWNER / CITY.
- CONTRACTOR IS RESPONSIBLE FOR SETUP OF BARRICADES, WARNING SIGNAGE, OR OTHER PROTECTIVE DEVICES IF ANY EXCAVATIONS ARE LEFT EXPOSED AFTER ON-SITE WORK HOURS.
- THE CONTRACTOR SHALL NOT PURPOSEFULLY PROCEED WITH ANY CONSTRUCTION PER PLANS PROVIDED WHEN OBSTRUCTIONS AND/OR GRADE DIFFERENCES EXIST THAT WERE NOT CONSIDERED OR CHANGED AFTER PLANS WERE SUBMITTED. CONTRACTOR SHALL NOTIFY OWNER OR OWNER'S REPRESENTATIVE AND THE CITY OF LOVELAND IF SITUATION ARISES AND REVISIONS ARE NECESSARY.
- THE CONTRACTOR SHALL PREVENT SEDIMENT, DEBRIS AND OTHER POLLUTANTS FROM ENTERING ANY STORM WATER SEWER SYSTEM OR ADJACENT WATER WAYS, ETC., DURING THE DEMOLITION OR CONSTRUCTION OPERATIONS THAT ARE PART OF THIS PROJECT. THE CONTRACTOR SHALL BE HELD RESPONSIBLE AND EXPENSE FOR THE CORRECTION OF ANY ADVERSE IMPACTS TO THE STORM WATER SEWER SYSTEM OR ADJACENT WATER WAYS, WETLANDS ETC., RESULTING FROM THE WORK DONE AS PART OF THIS PROJECT/CONTRACT.
- THE CONTRACTOR SHALL BE RESPONSIBLE PRIOR TO BIDDING AND CONSTRUCTION, OF BECOMING AWARE OF ALL EXISTING AND PROPOSED UTILITIES, PIPES, STRUCTURES, ETC. CALL UNCC THREE DAYS BEFORE SCHEDULED WORK AT 811 OR 1-800-922-1987.
- CONTRACTOR IS RESPONSIBLE FOR BECOMING AWARE OF AND OBTAINING ANY AND ALL PERMITS AS REQUIRED FOR THIS PROJECT /WORK.

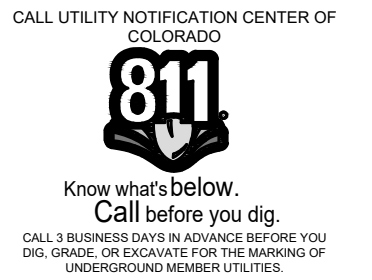
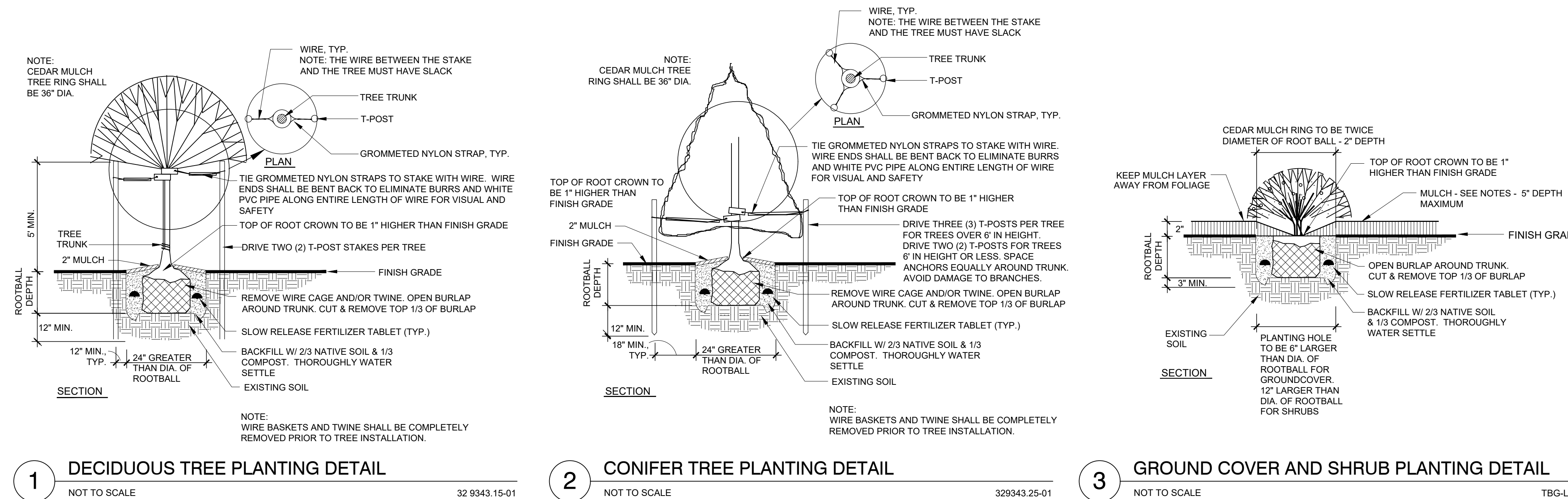
Irrigation Notes

- CONTRACTOR TO SELECT AND UTILIZE AN IRRIGATION WATER TANK FOR THE AUTOMATIC IRRIGATION SYSTEM DESIGN. THIS DESIGN TO INCLUDE ELECTRONIC CONTROLLER AND BOOSTER PUMP AS A PART OF THEIR DESIGN AND SCOPE FOR THE PROPOSED LANDSCAPE DEPICTED ON PLANS.
- THE DESIGN FOR THE AUTOMATIC IRRIGATION SYSTEM SHALL BE EQUIPPED WITH AN AUTOMATIC RAIN DETECTION DEVICE.
- CONTRACTOR SHALL VERIFY THE MAXIMUM AVAILABLE P.S.I. AND GPM AND DESIGN THE IRRIGATION SYSTEM TO MEET THE REQUIRED P.S.I. AND GPM FOR THE PROPOSED LANDSCAPE.
- ALL TREES AND SHRUBS ARE TO BE IRRIGATED WITH A PERMANENT DRIP IRRIGATION SYSTEM.
- IRRIGATION SYSTEM WILL BE ADJUSTED TO THE MINIMUM WATER REQUIREMENT, BASED ON THE NEEDS OF EACH SELECTED PLANT MATERIAL.
- QUICK COUPLERS SHALL BE PROVIDED AT EACH POINT OF CONNECTION AND AT REGULAR SPACING ALONG THE IRRIGATION MAINLINE. SPACING OF QUICK COUPLERS SHALL NOT EXCEED 200 FEET. LOCATE QUICK COUPLING VALVE AT A POINT OF EASY ACCESS.
- ALL IRRIGATION TRENCHES SHALL BE PROPERLY WATERED AND COMPACTED TO AVOID FUTURE SETTLING. ANY SETTLING DURING WARRANTY PERIOD WILL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER.
- CONTRACTOR TO DETERMINE AND COORDINATE APPROPRIATE POWER SOURCE AND ASSOCIATED ELECTRICAL DESIGN FOR THE ELECTRONIC CONTROLLER AND BOOSTER PUMP.
- ALL IRRIGATION SLEEVING SHALL BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR. IRRIGATION CONTRACTOR SHALL COORDINATE SLEEVING LOCATIONS WITH GENERAL CONTRACTOR. ALL IRRIGATION SLEEVING TO BE STAKED IN THE FIELD OR LOCATED ON DIMENSIONED "AS-BUILT" DRAWING BY THE GENERAL CONTRACTOR TO ALLOW FUTURE USE AND LOCATION.

Landscape Notes

- MAINTENANCE PERIOD: LANDSCAPE SHALL BE MAINTAINED, INCLUDING WATERING, MOWING, PRUNING, REPLACEMENT OF DEAD OR DYING PLANT MATERIALS, AND FERTILIZING BY CONTRACTOR FOR ONE (1) FULL YEAR AFTER FINAL ACCEPTANCE. AFTER MAINTENANCE PERIOD OWNER WILL MAINTAIN AS DESCRIBED ABOVE.
- WARRANTY PERIOD: LANDSCAPE WILL BE WARRANTED FOR ONE (1) FULL YEAR AFTER MAINTENANCE PERIOD.
- ANY DISCREPANCIES WITH THE DRAWINGS AND SITE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNERS REPRESENTATIVE PRIOR TO PROCEEDING WITH CONSTRUCTION.
- CONTRACTOR TO VERIFY ALL FIELD CONDITIONS, EASEMENTS, PROPERTY LINES, FENCE LINES, ETC. PRIOR TO STARTING WORK. SHOULD ANY DISCREPANCIES, OMISSIONS, OR ERRORS OCCUR, NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY.
- CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES 48 HRS. PRIOR TO ANY EXCAVATION OR PLANTING.
- LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION WITH SUBCONTRACTORS AS REQUIRED TO ACCOMPLISH PLANTING OPERATIONS.
- NO PLANT MATERIAL WITH MATURE GROWTH GREATER THAN THREE (3) FEET IN HEIGHT SHALL BE PLANTED WITHIN POTABLE WATER, SANITARY SEWER, OR NON-POTABLE IRRIGATION EASEMENTS. (VOLUME III, SECTION 2.05.A)
- NO SHRUBS SHALL BE PLANTED WITHIN FIVE (5) FEET OR TREES WITHIN TEN (10) FEET OF POTABLE AND NON-POTABLE WATER METERS, FIRE HYDRANTS, SANITARY SEWER MANHOLES, OR POTABLE WATER, SANITARY SEWER, AND NON-POTABLE IRRIGATION MAINS AND SERVICES. (VOLUME III, SECTION 2.05.B)
- MINIMUM CLEARANCE OF THREE (3) FEET ON EACH SIDE OF FIRE DEPARTMENT CONNECTION (FDC), NO VEGETATION OTHER THAN TURF OR GROUND COVERS PLANTED IN FRONT OF FDC.
- IF TREES OR SHRUBS ARE LOCATED ON TOP OF FIELD VERIFIED UTILITIES, CONTRACTOR SHALL NOTIFY OWNER BEFORE ANY DIGGING HAS COMMENCED. VERIFY WITH OWNER IF AND WHICH SHRUBS/TREES SHALL BE TAKEN OUT OF PROJECT/CONTRACT.
- TO THE MAXIMUM EXTENT FEASIBLE, TOPSOIL THAT IS REMOVED DURING CONSTRUCTION ACTIVITY SHALL BE CONSERVED FOR LATER USE ON AREAS REQUIRING REVEGETATION AND LANDSCAPING.
- EXCAVATED MATERIAL TO BE USED AS FILL WILL HAVE ALL ROCKS, DEBRIS, WASTE MATERIAL, FROZEN MATERIAL, VEGETATION LARGER THAN 3" IN ANY DIMENSION REMOVED BEFORE PLACEMENT AND COMPACTION OF SOIL.
- PROVIDE POSITIVE DRAINAGE AWAY FROM STRUCTURES OR FOUNDATIONS CREATING A SMOOTH TRANSITION BETWEEN ALL ADJACENT EXISTING GRADES AND PROPOSED GRADES BEING SURE NOT TO DISTURB EXISTING DRAINAGE PATTERNS.
- PRIOR TO NATIVE SEEDING OPERATIONS; FOOTHILLS NATIVE GRASS SEEDING AREAS AND THE PLANTING BEDS, SHALL BE THOROUGHLY LOOSENEED AND FINE GRADED. REMOVE ALL UNSUITABLE SOIL, INCLUDING ALL ROCKS LARGER THAN 3 INCHES IN ANY DIRECTION, ALL CONCRETE, TRASH, DEBRIS, WEEDS, ROOTS AND OTHER WASTE MATERIALS.
- ORGANIC AMENDMENTS SHALL BE INCORPORATED WITHIN THE FOOTHILLS NATIVE GRASS SEEDING AREAS AND PLANTING BEDS TO A MINIMUM 6" DEPTH AT THE MINIMUM OF RATE OF 2 CU. YDS. / 1,000 SQ.FT.
- ALL PLANT MATERIALS ARE SIZED AND OUTLINED IN PLANT LIST. ALL PLANTS TO BE PLANTED IN AMENDED SOIL AND STAKED AS SHOWN IN DETAILS. ALL PLANT MATERIAL SHALL MEET OR EXCEED THE CODE OF STANDARDS CURRENTLY RECOMMENDED BY THE COLORADO NURSERY ACT FOR NUMBER ONE GRADE.
- IF PLANTS ARE IN NEED OF REPLACEMENT DUE TO DECLINING HEALTH, DISEASE, OR DEATH, THE PLANTS MUST BE REPLACED WITH THE ORIGINAL SPECIES UNLESS APPROVED BY THE CITY.
- CHANGES IN PLANT SPECIES OF PLANT LOCATIONS FROM WHAT IS LISTED ON THE LANDSCAPE PLAN WILL REQUIRE THE APPROVAL OF THE CITY PRIOR TO INSTALLATION OF REPLACEMENT. OVERALL QUANTITY AND QUALITY TO BE CONSISTENT WITH THE APPROVED PLANS. IN THE EVENT OF CONFLICT WITH THE QUANTITIES INCLUDED IN THE PLANT LIST, SPECIES AND QUANTITIES SHALL BE PROVIDED.
- ALL TREES AND SHRUBS TO BE BALLED AND BURLAPPED, OR CONTAINERIZED.
- ALL PLANT MATERIAL SHALL HAVE ALL WIRE, TWINE, BASKETS, BURLAP, AND ALL OTHER NON-BIODEGRADABLE CONTAINMENT MATERIAL REMOVED FROM THE TRUNK AND/OR ROOT BALL OF THE PLANT, PRIOR TO PLANTING.
- ALL SHRUB BEDS SHALL HAVE MINIMUM 4" DEPTH OF WASHED ROCK OR MULCH OVER A CONTINUOUS LAYER OF TYPAR LANDSCAPE FABRIC OR APPROVED EQUAL SHALL BE INSTALLED IN ALL AREAS WITH 6" OVERLAP AT SEAMS WITH 4" STAPLES 4' O.C. IN ALL DIRECTIONS.

Planting Details



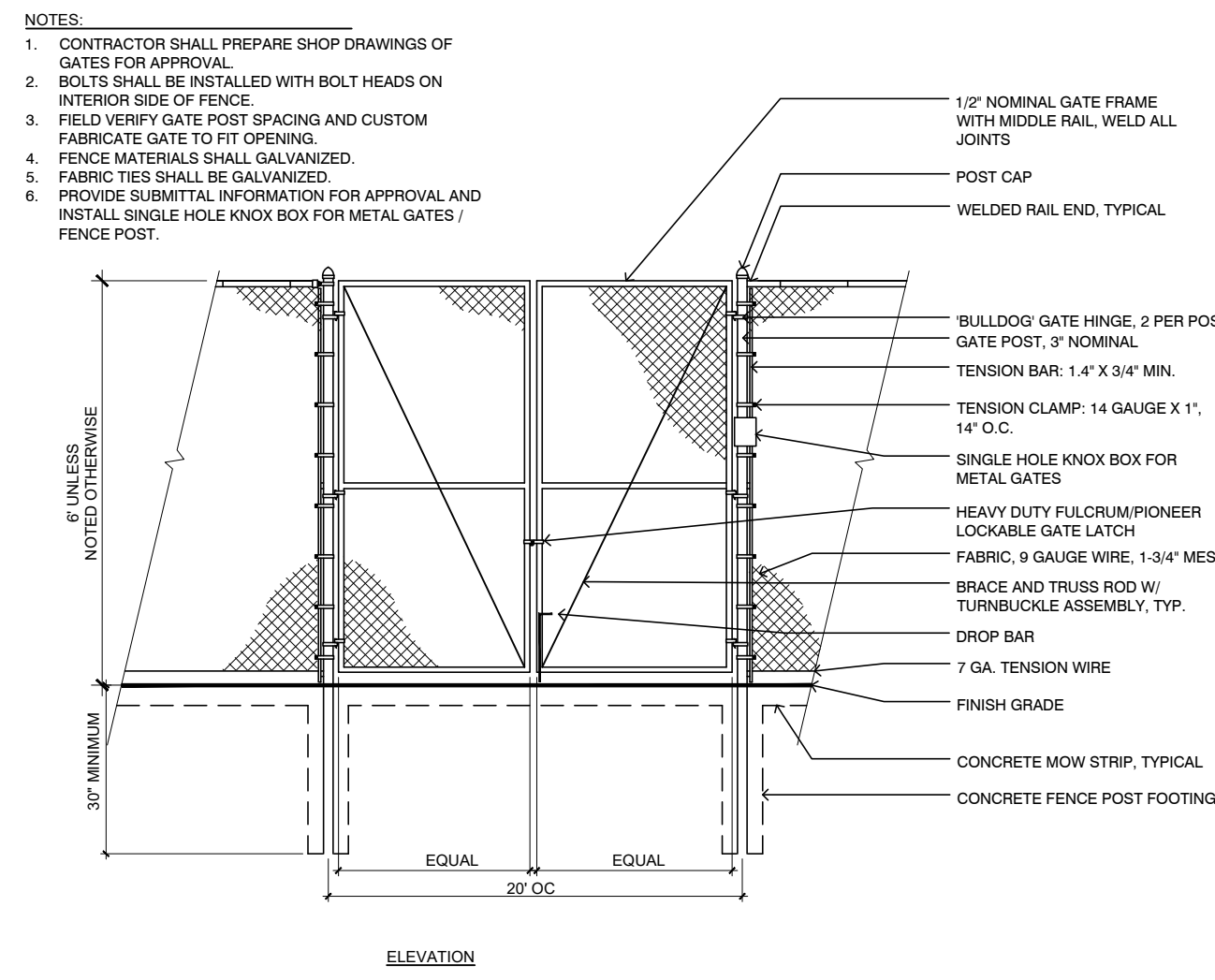
REVISIONS	DATE
1st Submittal	06/13/22

FENCING INSTALLATION NOTES

1. CONTRACTOR TO OBTAIN ALL INSTALLATION AND STRUCTURAL INFORMATION OR DRAWINGS FROM MANUFACTURER PRIOR TO INSTALLATION.
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SUBMIT ALL NECESSARY PERMIT DOCUMENTS AS REQUIRED BY THE LOCAL JURISDICTIONS FOR THESE PRODUCTS.
3. CONTRACTOR TO SUBMIT PRODUCT INFORMATION FOR OWNER'S REVIEW AND APPROVAL PRIOR TO ORDERING
4. COORDINATE FINAL LOCATION OF ALL FENCING AND EQUIPMENT WITH OWNER PRIOR TO FINAL INSTALLATION / MOUNTING.
5. SUBSTITUTIONS ARE ALLOWED, FOR SPECIFIED PRODUCTS THAT ARE NO LONGER AVAILABLE, OR IF A SUBSTANTIAL COST SAVINGS CAN BE REALIZED FOR THE OWNER BY USE OF AN ALTERNATE AND EQUAL PRODUCT. IF SUCH SUBSTITUTION OCCURS IT MUST BE SUBMITTED IN WRITING AND APPROVED BY THE OWNER OR ANY GOVERNING AGENCIES.

GATE NOTES

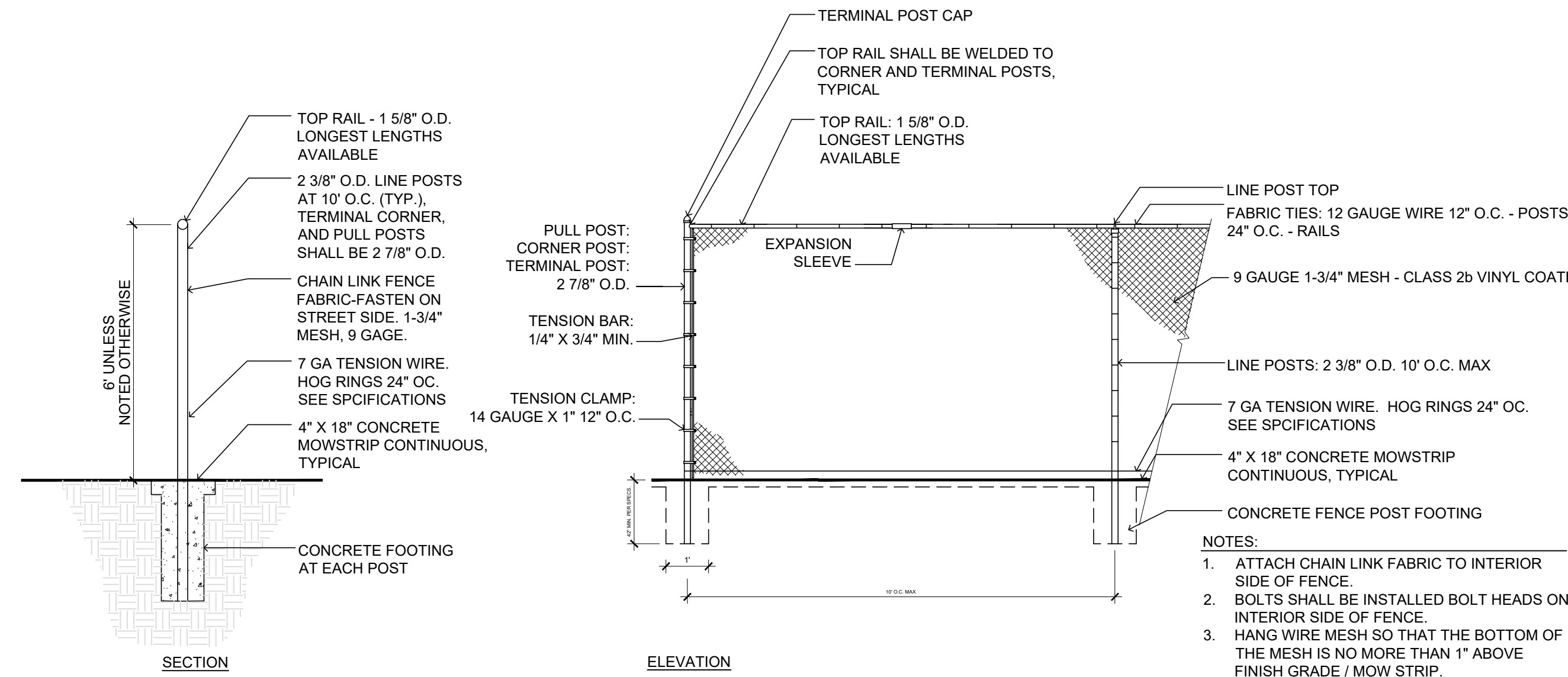
1. GATES SHALL BE PROVIDED WITH A COMBINATION CATCH AND LOCKING ATTACHMENT DEVICE FOR A PAD LOCK, AND SHALL BE KEPT LOCKED EXCEPT WHEN BEING USED FOR ACCESS TO THE SITE.
2. THE OPERATOR MUST PROVIDE THE CHIEF OF THE APPROPRIATE FIRE PROTECTION DISTRICT WITH A "KNOX PADLOCK" OR "KNOX BOX WITH KEY" TO ACCESS THE WELL SITE TO BE USED IN CASE OF AN EMERGENCY.



1 20' WIDE CHAIN LINK GATE

NOT TO SCALE

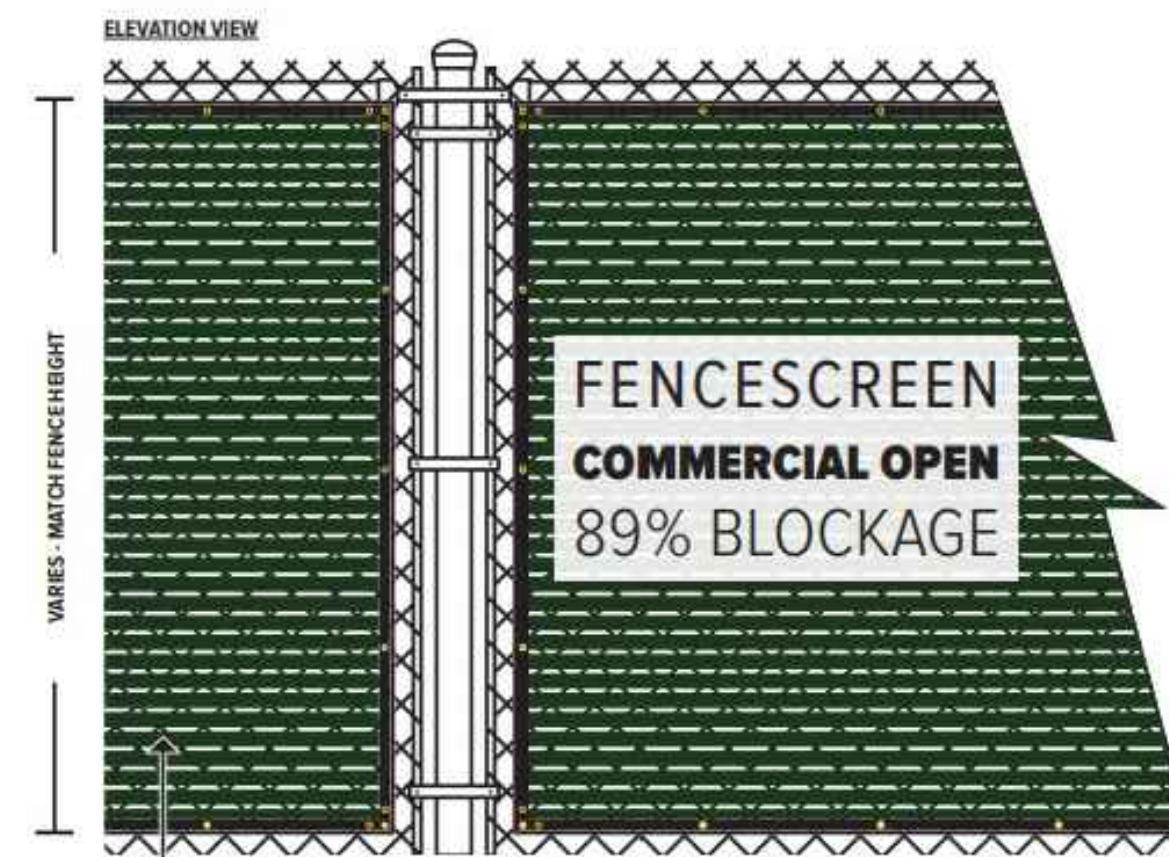
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2 6' CHAIN LINK FENCE

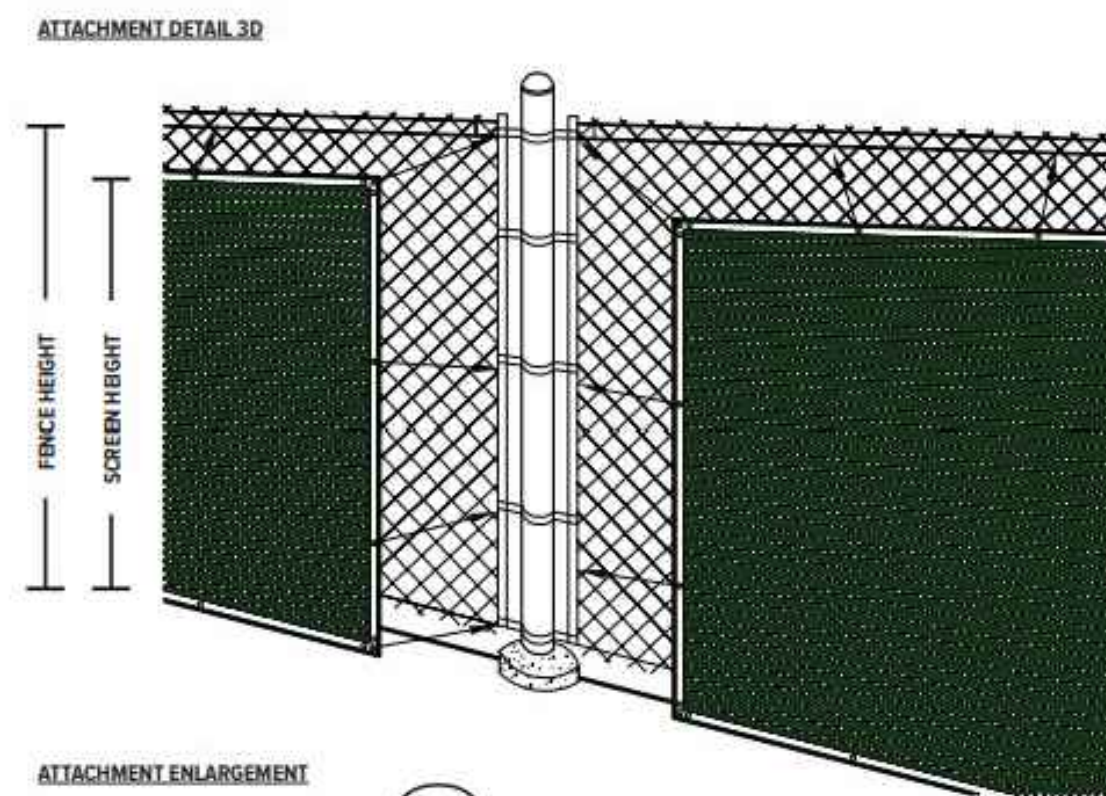
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- FENCESCREEN PANELS WITH 2" POLYPROPYLENE WEBBING FOR EDGE REINFORCEMENT.
- 3/8" BRASS GROMMETS AT 24" ON CENTER ATTACH TO FENCE WITH FENCESCREEN FASTENERS OR GALVANIZED HOG RINGS.

FENCESCREEN MATERIAL SPECIFICATIONS	
MATERIAL COMPOSITION: OPEN LENO WEAVE POLYPROPYLENE	
PROPERTIES	RESULTS
Weight	300 g/m ²
Construction	30 x 16 weave lath-leno Closed Mesh
Grab Tensile Strength	400/234 lbs.
Burst Strength	469 psi
Tear	120 x 95
Shade Percentage	89%



- NOTE:**
- INSTALL PER FENCESCREEN MANUFACTURER RECOMMENDATION
 - REFER TO STRUCTURAL PLANS FOR ALL FOOTING SIZE

AVAILABLE COLORS:



3 FENCE SCREEN DETAILS

MANUFACTURER: FENCE SCREEN
MODEL: 600 SERIES
COLOR: BLACK
MATERIAL: KNITTED POLYPROPYLENE OPEN MESH

Scale: NTS

SEAL

PROJECT TITLE

CE
Oil and Gas Pad Site

Landscape and Fencing
Plan

Loveland, Colorado

PREPARED FOR

MRG, LP

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CALL UTILITY NOTIFICATION CENTER OF COLORADO



Know what's below.
Call before you dig.
CALL BUSINESS DAYS IN ADVANCE BEFORE YOU DIG. UNLESS OTHERWISE NOTED FOR THE BENEFIT OF UNDERGROUND MEMBER UTILITIES.

REVISIONS DATE

1st Submittal 06/13/22

DATE

June 13, 2022

SHEET TITLE

Fencing Details

SHEET INFORMATION

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