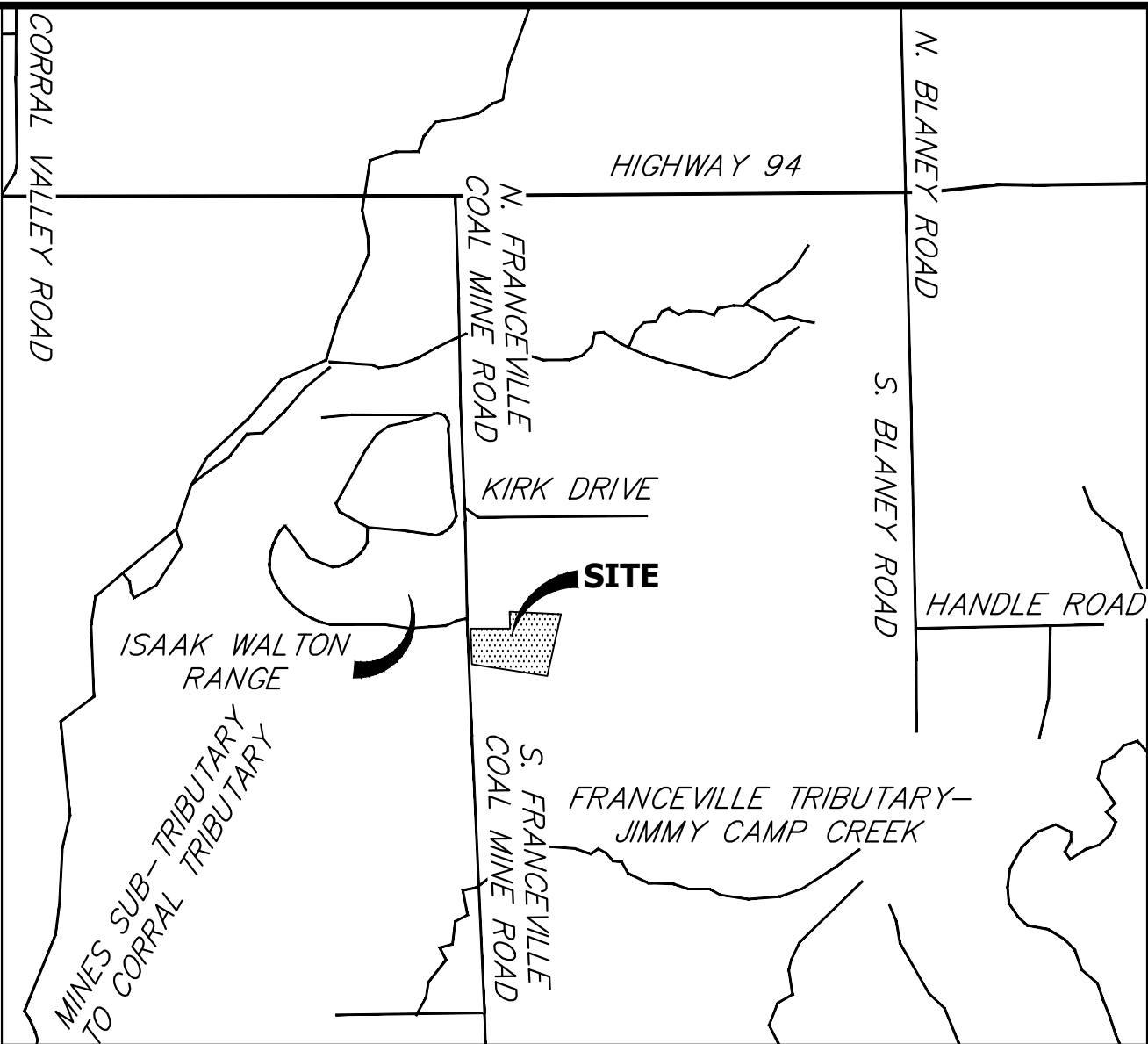
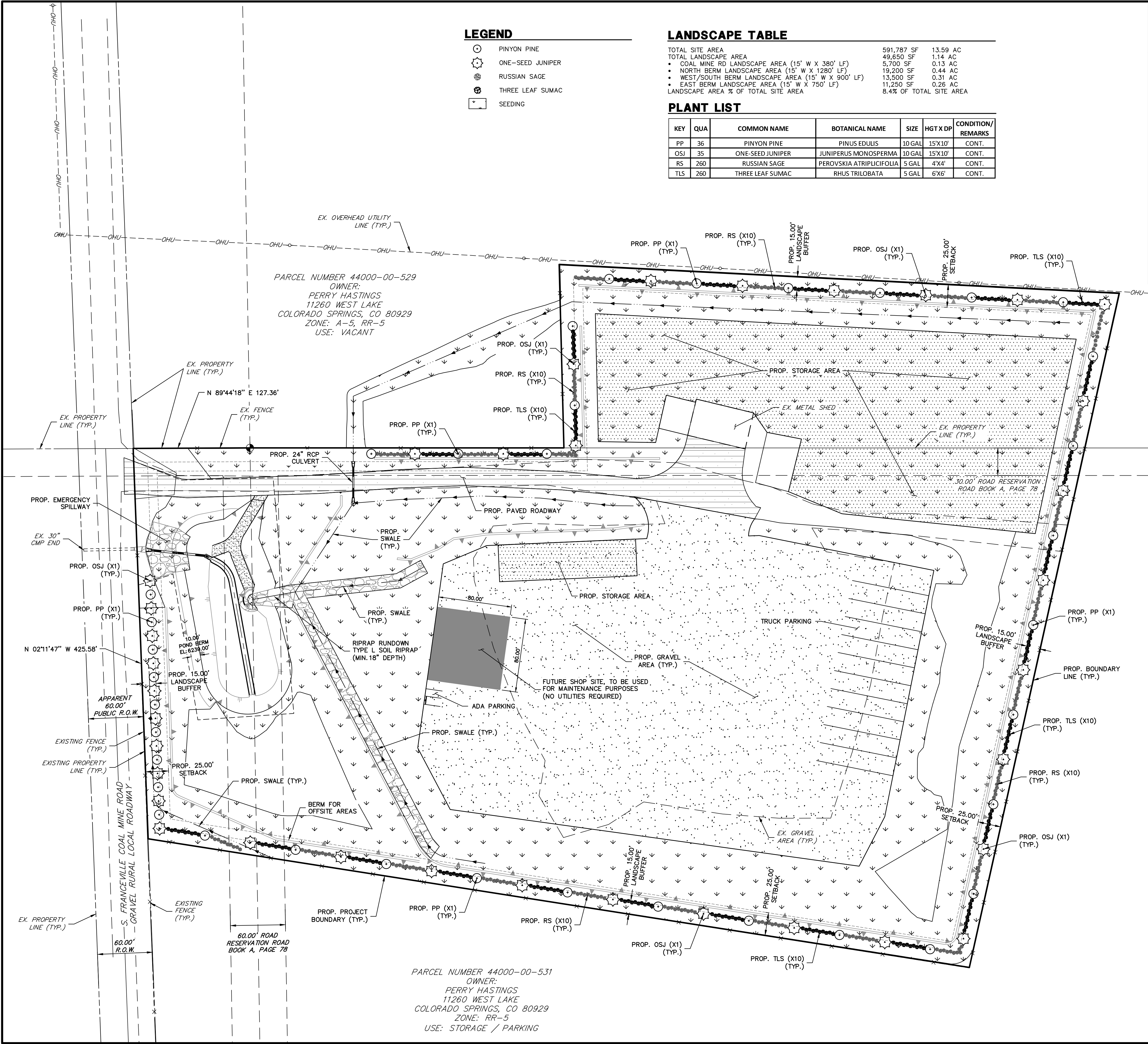


SHEET	1	OF	1	GATEWAY TRUCKING SITE DEVELOPMENT PLAN		H-SCALE 1"=50'	V-SCALE N/A	No.	REVISION	BY	DATE	 J-R ENGINEERING A Westrian Company Centennial 303-740-0983 • Colorado Springs 719-569-2583 Fort Collins 970-491-9888 • www.jrengineering.com	PREPARED FOR GATEWAY TRUCKING, LLC 235 S. FRANCEVILLE COAL MINE RD COLORADO SPRINGS, CO 80929 ATTN: PERRY HASTINGS 602-558-0846 HASTINGSON@GATEWAYTRUCKING.COM	UNTIL SUCH TIME AS THESE DRAWINGS ARE APPROVED BY THE APPROPRIATE REVIEWING AGENCIES, JR ENGINEERING APPROVES THEIR USE FOR THE PROJECTS DESIGNATED BY WRITTEN AUTHORIZATION.
				SITE DEVELOPMENT PLAN										



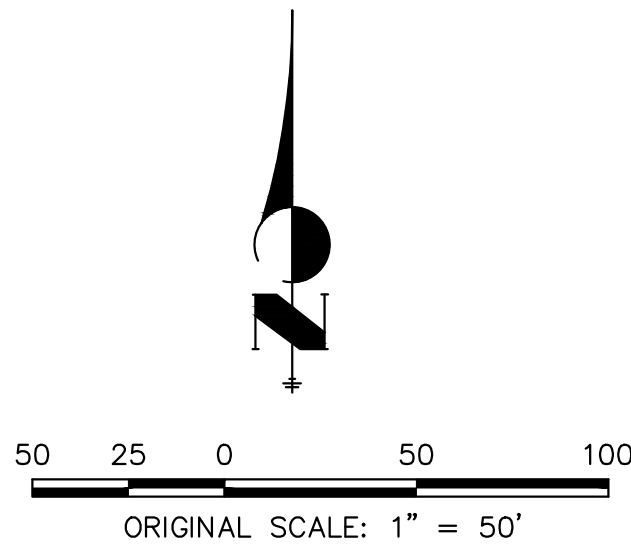
VICINITY MAP
SCALE: 1"=2000'

SEEDING MIX

- ALL AREAS DISTURBED OR CONSTRUCTED SHALL BE SEEDDED WITH THE FOLLOWING SEED MIX:
- A. "NATIVE" SEED MIX:
PER-ACRE SEEDING RATES ARE BASED ON 144 PURE LIVE SEEDS (PLS) PER SQUARE FOOT, WHICH IS EQUIVALENT TO ONE (1) PURE LIVE SEED PER SQUARE INCH.
- B. WHEATGRASS MIX: THIS IS A TALLER, ALL NATIVE, ALL COOL SEASON, UPLAND MIX IS BEST LEFT UN-MOWED AFTER ESTABLISHMENT.
- 40% WESTERN WHEATGRASS (PASCOPYRUM SMITHII) 32 LBS./ACRE
 - 40% STREAMBANK WHEATGRASS (ELYMUS LANCEOLATUS) 18 LBS./ACRE
 - 20% SLENDER WHEATGRASS (ELYMUS TRACHYCAULUS) 10 LBS./ACRE
 - 60 LBS./ACRE TOTAL DRILL SEEDDED

SEEDING SPECIFICATIONS

- A. SEEDBED PREPARATION:
THE SEEDBED SHALL BE FREE OF DEBRIS INCLUDING WEEDS, PLANT MATTER, ROCKS, CLODS, AND OTHER IMPERVIOUS MATERIAL OVER ONE (1) INCH IN DIAMETER. SEEDBED SHALL BE SMOOTH AND FREE OF LARGE CLUMPS, FLUFFY YET FIRM, MOIST BUT NOT WET.
- B. SEEDING:
- SEEDING SHALL BE DONE IMMEDIATELY AFTER SOIL PREPARATION OPERATIONS TO DISCOURAGE WEED COMPETITION. SEED SHALL BE EVENLY DISTRIBUTED OVER GROUND ON A STILL DAY INTO A SLIGHTLY MOIST SEEDBED, USING AN APPROVED GRASS DRILL FOLLOWED BY PACKER WHEELS. HAND-BROADCASTING METHODS SHALL BE AT DOUBLE THE SEEDING RATE AND SHALL BE "RAKED IN" OR OTHERWISE COVERED WITH SOIL TO A DEPTH OF ¼ INCH. HYDRAULIC SEEDING CAN BE USED IN AREAS NOT ACCESSIBLE FOR MACHINE METHODS; SEED AND MULCH SHALL NOT BE APPLIED IN THE SAME OPERATION.
 - SEEDING OF "NATIVE" GRASSES CAN TAKE PLACE AT ANY TIME DURING THE GROWING SEASON. FOR BEST AND QUICKEST RESULTS, WARM SEASON GRASSES SHOULD BE SEEDDED IN MAY AND NO LATER THAN JULY. COOL SEASON "NATIVE" GRASSES ARE BEST SEEDDED IN THE SPRING. GENERALLY, DORMANT SEEDING OF COOL SEASON NON-IRRIGATED GRASS SHALL OCCUR BETWEEN NOVEMBER 15TH AND APRIL 15TH ON UNFROZEN GROUND. SEEDING OF NON-IRRIGATED WARM SEASON GRASSES SHALL OCCUR BETWEEN MARCH 15TH AND JUNE 15TH.
 - ALL SEEDDED AREAS SHALL BE MULCHED WITH 100% BIODEGRADABLE STRAW MULCH WITHIN 12 HOURS OF SEEDING, IN THE ABSENCE OF NATURAL PRECIPITATION.
 - ESTABLISHMENT TIME AND ACCEPTANCE FOR BOTH NATIVE AND NATURALIZED GRASS SEED SPECIES, GERMINATION SHOULD START WITHIN THREE (3) TO SIX (6) WEEKS. DEPENDING ON PLANTING TIME, AVAILABLE MOISTURE AND SUCCESS OF WEED CONTROL, FULL ESTABLISHMENT AND INITIAL ACCEPTANCE OF SEED CAN TAKE A MINIMUM OF ONE (1) FULL GROWING SEASON, BUT USUALLY TAKES LONGER. FULL ESTABLISHMENT OF NON-IRRIGATED SEED CAN TAKE THREE (3) TO FIVE (5) YEARS OR MORE. HIGHER SEED RATES, SHALLOW DRILLING OF NO GREATER THAN ¼", AND NARROW (2-4") SEEDER ROW SPACING HAVE PROVEN TO BE CRITICAL IN OBTAINING RAPID ESTABLISHMENT.



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J.R. ENGINEERING A Western Company	BY	DATE
GATEWAY TRUCKING SITE DEVELOPMENT PLAN LANDSCAPE PLAN	No.	REVISION
SHEET 1 OF 1 JOB NO. 25215.00	H-SCALE V-SCALE DATE DESIGNED BY DRAWN BY CHECKED BY	1"=50' N/A 05/15/26 GAG GAG