ELLICOTT SAND AND GRAVEL LLC - SITE DEVELOPMENT PLAN

Parts of the SW¼NE¼ , SW¼SE¼ & NW¼SE¼, Section 29, T-14-S, R-62-W, 6th P.M., El Paso County, Colorado. - Containing 66.1 acres more or less.

STAGE 1 OF 6 - GRADING AND EROSION CONTROL PLANS - ~~EA#1881~~

Please remove all sheets

3. STANDARD NOTES FOR EL PASO COUNTY GRADING AND EROSION CONTROL PLANS

3.1: Stormwater discharges from sites shall not cause or threaten to cause pollution, contamination, or degradation of Sate Waters. All work and earth disturbance shall be done in a manner that minimizes pollution of any on-site or off-site waters, including wetlands.

3.2: Not withstanding anything depicted in these plans in words or graphic representation, all design and construction related to roads, storm drainage and erosion control shall conform to the standards and requirements of the most recent version of the relevant adopted El Paso County standards, including the Land Development Code, the Engineering Criteria Manual, the Drainage Criteria Manual, and the Drainage Criteria Manual (Volume 2. Any deviation from regulations

3.3: A separate Stormwater Management Plan (SMWP) for this project shall be completed and an Erosion and Stormwater Quality Control Permit (ESQCP) issued prior to commencing construction Management of the SWMP during construction is the responsibility of the designated Qualified Stormwater Manager or Certified Erosion Control Inspector. The SWMP shall be located on-site at all times during construction and shall be kept up to date with work progress and changes in the field.

3.4: Once the ESQCP is approved and a "Notice to Proceed" has been issued, the contractor may install the initial sage erosion and sediment control measures as indicated on the approved DEC. A Preconstruction Meeting between the contractor, engineer, and El Paso County will be held prior to any construction. It is the responsibility of the applicant to coordinate the meeting and place with County staff.

3.5: Control measures must be installed prior to commencement of activities that could contribute pollutants to stormwater. Control measures for all slopes, channels, ditches, and disturbed land areas shall be installed immediately upon completion of the disturbance.

3.6: All temporary and erosion control measures shall be maintained and remain in effective operating condition until permanent soil erosion control measures are implemented and final stabilization is established. All person engaged in land disturbance activities shall assess the adequacy of control measures at the site and identify if changes to those control measures are needed to ensure the continued effective performance of the control measures. All changes to temporary sediment and erosion control measures must be incorporated into the Stormwater Management Plan.

3.7: Temporary stabilization shall be implemented on disturbed areas and stockpiles where ground disturbing construction activity has permanently ceased or temporarily ceased for longer than 14 days.

3.8: Final stabilization must be implemented at all applicable construction sites. Final stabilization is achieved when all ground disturbing activities are complete and all disturbed areas either have a uniform vegetative cover with individual plant density of 70 percent of pre-disturbance levels established or equivalent permanent alternative stabilization method is implemented. All temporary sediment and erosion control measures shall be removed upon final stabilization and before permit closure.

3.9: All permanent stormwater management facilities shall be installed as designed in the approved plans. Any proposed changes that effect the design or function of permanent stormwater management structures must be approved by the ECM Administrator prior to implementation.

3.10: Earth disturbance shall be conducted in such a manner so as to effectively minimize accelerated soil erosion and resulting sedimentation. All disturbances shall be designed, constructed, and completed so that the exposed area of any disturbed land shall be limited to the shortest practical period of time. Pre-existing vegetation shall be protected and maintained within 50 horizontal feet of a waters of the state unless shown to be infeasible and specifically requested and approved.

3.11: Compaction of soil must be prevented in areas designated for infiltration control measures or where final stabilization will be achieved by vegetative cover. Areas designated for infiltration control measures shall also be protected from sedimentation during construction until final stabilization is achieved. If compaction prevention is not feasible due to site constraints, all areas designated for infiltration and vegetation control measures must be loosened prior to installation of the control measure(s).

3.12: Any temporary or permanent facility designed and constructed for the conveyance of stormwater around, though, or from the earth disturbance area shall be a stabilized conveyance designed to minimize erosion and the discharge of sediment off-site.

3.13: Concrete wash water shall be contained and disposed of in accordance with the SWMP. No wash water shall be discharged to or allowed to enter State Waters, including any surface or subsurface storm drainage system or facilities. Concrete washouts shall not be located in an area where shallow groundwater may be present, or within 50 feet of a surface water body, creek or stream.

3.14: During dewatering operations, uncontaminated groundwater may be discharged on-site, but shall not leave the site in the form of surface runoff unless and approved State dewatering permit is in place.

3.15: Erosion control blanketing or other protective covering shall be used on slopes steeper than 3:1.

- *No final slopes will be steeper than 3H:1V.*
- *During mining, interior slopes will be steeper than 3H:1V. However, all stormwater runoff will be interior to the site. Runoff will infiltrate into the sandy substrate.*

3.16: Contractor shall be responsible for the removal of all wastes from the construction site for disposal in accordance with local and State regulatory requirements. No construction debris, tree slash, building material wastes or unused building materials shall be buried, dumped, or discharged at the site.

3.17: Waste materials shall not be temporarily placed or stored in the street, alley, or other public way, unless in accordance with an approved Traffic Control Plan. Control measures may be required by El Paso County Engineering if deemed necessary, based on specific conditions and circumstances.

3.18: Tracking of soils and construction debris off-site shall be minimized. Materials tracked off-site shall be cleaned up and properly disposed of immediately.

3.19: The owner/developer shall be responsible for the removal of all construction debris, dirt, trash, rock sediment, soil, and sand that may accumulate in roads, storm drains and other drainage conveyance systems and stormwater appurtenances as a result of the site development.

3.20: The quantity of materials stored on the project site shall be limited, as much as practical, to that quantity required to perform the work in an orderly sequence. All materials stored on-site shall be stored in a neat, orderly manner, in their original containers, with original manufacturer's labels.

- *No construction will occur on the site. The only materials stored will be product for sale and earthen materials needed for site reclamation.*

3.21: No chemical(s) having the potential to be released in stormwater are to be stored or used on-site unless permission for the use of such chemical(s) is granted in writing by the ECM Administrator. In granting approval for the use of such chemical(s), special conditions and monitoring may be required.

3.22: Bulk storage of allowed petroleum products or other allowed liquid chemicals in excess of 55 gallons shall require adequate secondary containment protection to contain all spills on-site and to prevent any spilled materials from entering State Waters, any surface or subsurface storm drainage system or other facilities.

- No bulk storage of petroleum products is planned.
- In addition, we have an SPCC plan to deal with any spilled petroleum products, in reportable quantities

3.23: No person shall cause the impediment of stormwater flow in the curb and gutter or ditch except with approved sediment control measures.

3.24: Owner/developer and their agents shall comply with the "Colorado Water Quality Act" (Title 24, Article 8, CRS), and the "Clean Water Act" (33 USC 1344), in addition to the requirements of the Land Development Code, DCM Volume 11 and the ECM Appendix 1. All appropriate permits must be obtained by the contractor prior to construction (1041, MPDES, Floodplain, 404, fugitive dust, etc.). In the event of conflicts between these requirement and other laws, rules, or regulations of other Federal, State, local, or County agencies the most restrictive laws, rules, or regulations shall apply.

3.25: All construction traffic must enter/exit the site only at approved construction access points.

3.26: Prior to construction the permittee shall verify the location of existing utilities.

3.27: A water source shall be available on-site during earthwork operations and shall be utilized as required to minimize dust from earthwork equipment and wind.

- *A commercial water provider will supply water for processing and fugitive dust control.*

3.28: The soils report for this site has been prepared by [Company Name, Date of Report] and shall be considered a part of these plans.

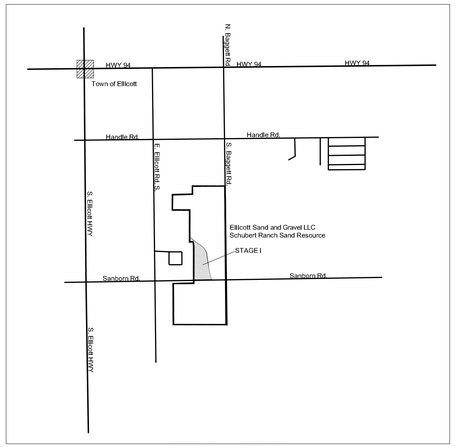
fill this in once a soils report is completed.

Provide a soils report to show that pit will infiltrate runoff in sufficient amount of time.

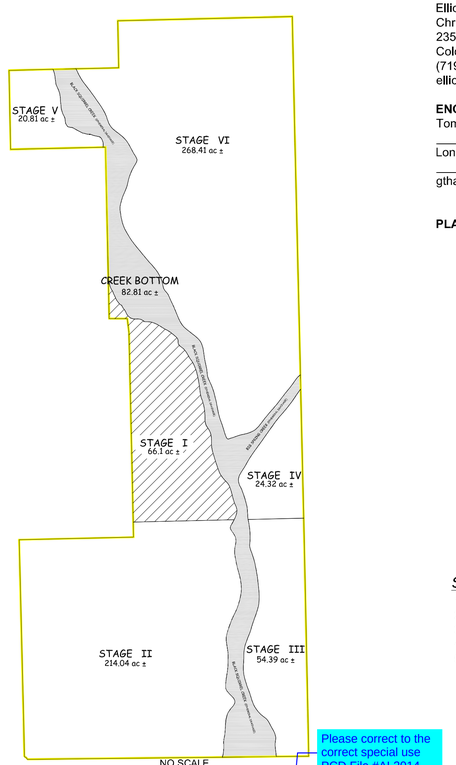
- *Based on our November 30th meeting with County Staff, a soils report is not required since no permanent structures are planned.*

3.29 At least ten (10) days prior to the anticipated start of construction, for projects that will disturb one (s) acre or more the owner or operator of construction activity shall submit a permit application for stormwater discharge to the Colorado Department of Public Health and Environment, Water Quality Division. The application contains certification of completion of a stormwater management plan (SWMP), of which this Grading and Erosion Control Plan may be a part.

- *A stormwater management plan is part of this submittal packet.*
- *The stormwater permit, permit number is COG500000.*
- *The stormwater permit certification number is COG502203*



VICINITY MAP
SCALE 1"=1 MILE



NO SCALE
SCHUBERT RANCH SAND RESOURCE
SPECIAL USE PERMIT AREA CASE #: ~~EA-1881~~
Parts of the S½NE¼, S½SE¼ & SE¼SW¼, Section 20. The E½E½NW¼NE¼ and Parts of the SW¼NE¼ , SW¼SE¼ & NW¼SE¼, Section 29 and The E½NE¼, SW¼NE¼, SE¼NW¼ and parts of the NW¼NE¼ & NE¼NW¼, Section 32, T-14-S, R-62-W, 6th P.M., El Paso County, Colorado.
Containing 733.7 acres more or less.

Please correct to the correct special use PCD File #AL2014

The Traffic Study provides recommendations for improvements to radii at the intersections along the haul route. Provide construction drawings for these improvements to accommodate the haul vehicles. These may be provided on a separate construction drawing set. Submit with the resubmittal for review.

CONTACTS:

OWNER - Parcel No. 2400000276
Schubert Ranches Inc.
1555 S. Baggett Rd.
Calhan, CO 80808
Phone: (719) 683-2262
Email: grasstogo@aol.com

APPLICANT
Ellicott Sand and Gravel LLC
Christine Wilson, Manager
235 Franceville Coal Mine Road,
Colorado Springs, CO 80929
(719) 568-3164
ellicottsandgravel@gmail.com

ENGINEER
Tom Hastings
_____
Longmont, CO _____
_____
gthastings@gmail.com

PLANNERS
Consultants:
Environment, Inc.
Mr. Steve O'Brian - President
7985 Vance Dr., #205A, Arvada, CO 80003
(303) 423-7297
Environment-inc@outdrs.net

Regulatory Permits Management, Inc
Mr. H. Bruce Humphries - President
25049 E. Alder Dr., Aurora, CO 80016
(303) 854-7499
hlhumphries2@comcast.net

SHEET INDEX

Revise to Joshua Palmer, P.E. (FYI: Elizabeth is a Deputy County Engineer)

Add PCD File # PPR-23-04 all sheets

Owner Statement

Revise statement to match GEC Checklist Item "HH"

EL PASO COUNTY STATEMENT:
COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, DIMENSIONS, AND/OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY FOR COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT.

FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL VOLUMES 1 AND 2, AND ENGINEERING CRITERIA MANUAL, AS AMENDED.

IN ACCORDANCE WITH ECM SECTION 1.12, THESE CONSTRUCTION DOCUMENTS WILL BE VALID FOR CONSTRUCTION FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO COUNTY ENGINEER. IF CONSTRUCTION HAS NOT STARTED WITHIN THOSE 2 YEARS, THE PLANS WILL NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF REVIEW FEES AT THE PLANNING AND COMMUNITY DEVELOPMENT DIRECTORS DISCRETION.

ELIZABETH NIJKAMP, P.E. _____ DATE

COUNTY ENGINEER/ECM ADMINISTRATOR

~~OPERATORS~~ STATEMENT:
I/WE ON BEHALF HAVE READ AND WILL COMPLY WITH THE REQUIREMENTS OF THE GRADING AND EROSION CONTROL PLAN AND ALL OF THE REQUIREMENTS SPECIFIED IN THESE DETAILED PLANS AND SPECIFICATIONS.

OPERATORS SIGNATURE _____ DATE _____
Christine Wilson, Manager

ELLICOTT SAND AND GRAVEL LLC.
235 FRANCEVILLE COAL MINE ROAD,
COLORADO SPRINGS, CO 80929

ENGINEER'S STATEMENT:
THIS GRADING AND EROSION CONTROL PLAN WAS PREPARED UNDER MY DIRECTION AND SUPERVISION AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. SAID PLAN HAS BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR GRADING AND EROSION CONTROL PLANS. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARING THIS PLAN.

ENGINEER OF RECORD SIGNATURE _____ DATE _____

GT HASTINGS
COLORADO P.E. _____

PROJECT # ESG-COUNTY

EL PASO COUNTY SITE DEVELOPMENT PLAN
COVER SHEET
FOR
SCHUBERT RANCH SAND RESOURCE
ELLICOTT, COLORADO

REVISIONS:	DATE:
SPECIAL USE PERMIT APPROVAL - BCC	08-02-2022

ELLICOTT SAND AND GRAVEL LLC

235 Francevill Coal Mine Road | Colorado Springs Co 80929
phone: (602) 558-0846

CHECKED BY: HBH
DRAWN BY: ENM/sb
SCALE: NA
FILE NAME: ESG-DP GRADING
DATE: 01/05/2023

1
SHEET 1 OF 5

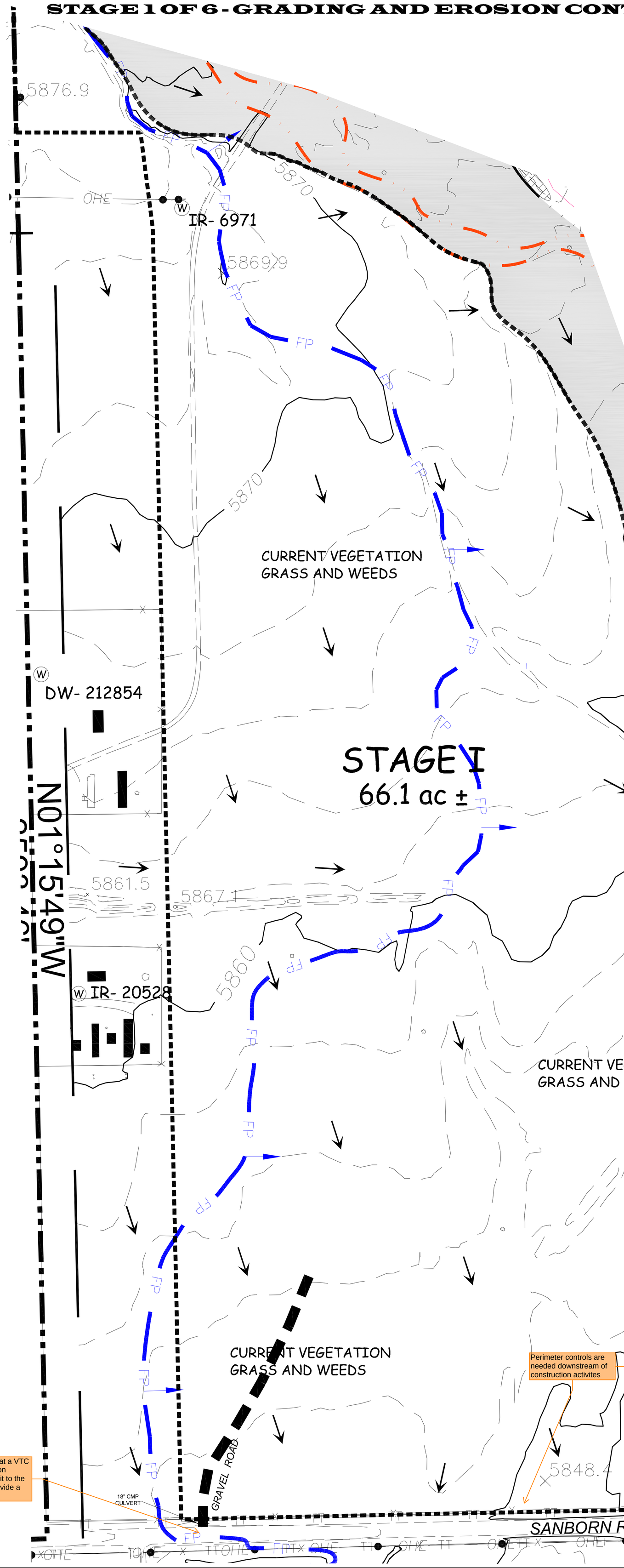
REVISED: JAN 05, 2023 - 09:32:49

ELLICOTT SAND AND GRAVEL LLC - SITE DEVELOPMENT PLAN

Parts of the SW¼NE¼ , SW¼SE¼ & NW¼SE¼, Section 29, T-14-S, R-62-W, 6th P.M., El Paso County, Colorado. - Containing 66.1 acres more or less.

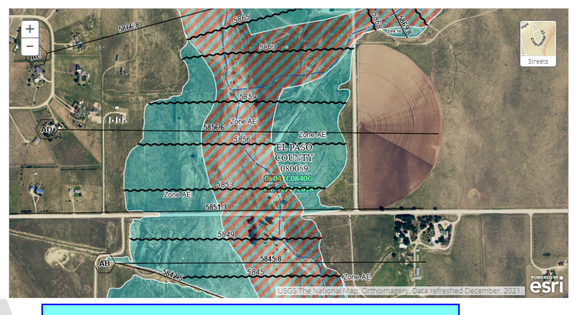
STAGE 1 OF 6 - GRADING AND EROSION CONTROL PLANS - ~~EA#1881~~

Remove from all sheets



LEGEND

- SCHUBERT RANCH PROPERTY LINE
- 200 FOOT LIMIT
- STAGE I DEVELOPMENT AREA
- ROADS (HAUL, ACCESS) (TYP.)
- FENCE
- BURIED TELEPHONE/COMMUNICATION LINES
- OVERHEAD ELECTRIC LINES
- BUILDING
- 2 FOOT CONTOURS
- TOPO CONTOUR
- EPHEMERAL DRAINAGE
- FLOOD PLAIN (100 YR)
- ORDINARY HIGH-WATER LINE 2019
- BANK ARMORING



N

0 50 100 200

SCALE 1"=100'

Address the following GEC Checklist Items:
- "B" - add parcel #'s of surroundings properties.
- "H" and "M" - If "limits of disturbance" and "construction boundary" are the same, change to "limits of construction/disturbance" or otherwise show as separate line types for each on the legend and figure.
- "I" - notate condition and type of existing vegetation
- "U" - show location of office trailers, staging, and stockpiles on plans or notate on plans that their location is TBD. Or state that none are anticipated.
- "W" - per comment on this sheet
- "Y" - notate process for dewatering pit after runoff producing events and provide sufficient temp BMPs accordingly. Or notate that all runoff entering pit will be infiltrated so no dewatering is anticipated.
- "Z" - Add temp BMP details to another sheet for any that are added to plans per my comments.
- "BB" - in drainage report discuss need (or lack-thereof because of WQ exclusions and/or the CDPHE Industrial Permit) for formalizing an infiltration basin with supporting calcs.

2	PROJECT #: ESG-COUNTY	EL PASO COUNTY DEVELOPMENT PLAN INITIAL CONDITIONS FOR SCHUBERT RANCH SAND RESOURCE ELLICOTT, COLORADO	REVISIONS: / DATE: SPECIAL USE PERMIT APPROVAL - BCC / 08-02-2022

SHEET 2 OF 2

ELLICOTT SAND AND GRAVEL LLC
235 Francevill Coal Mine Road | Colorado Springs Co 80929
phone: (602) 558-0846

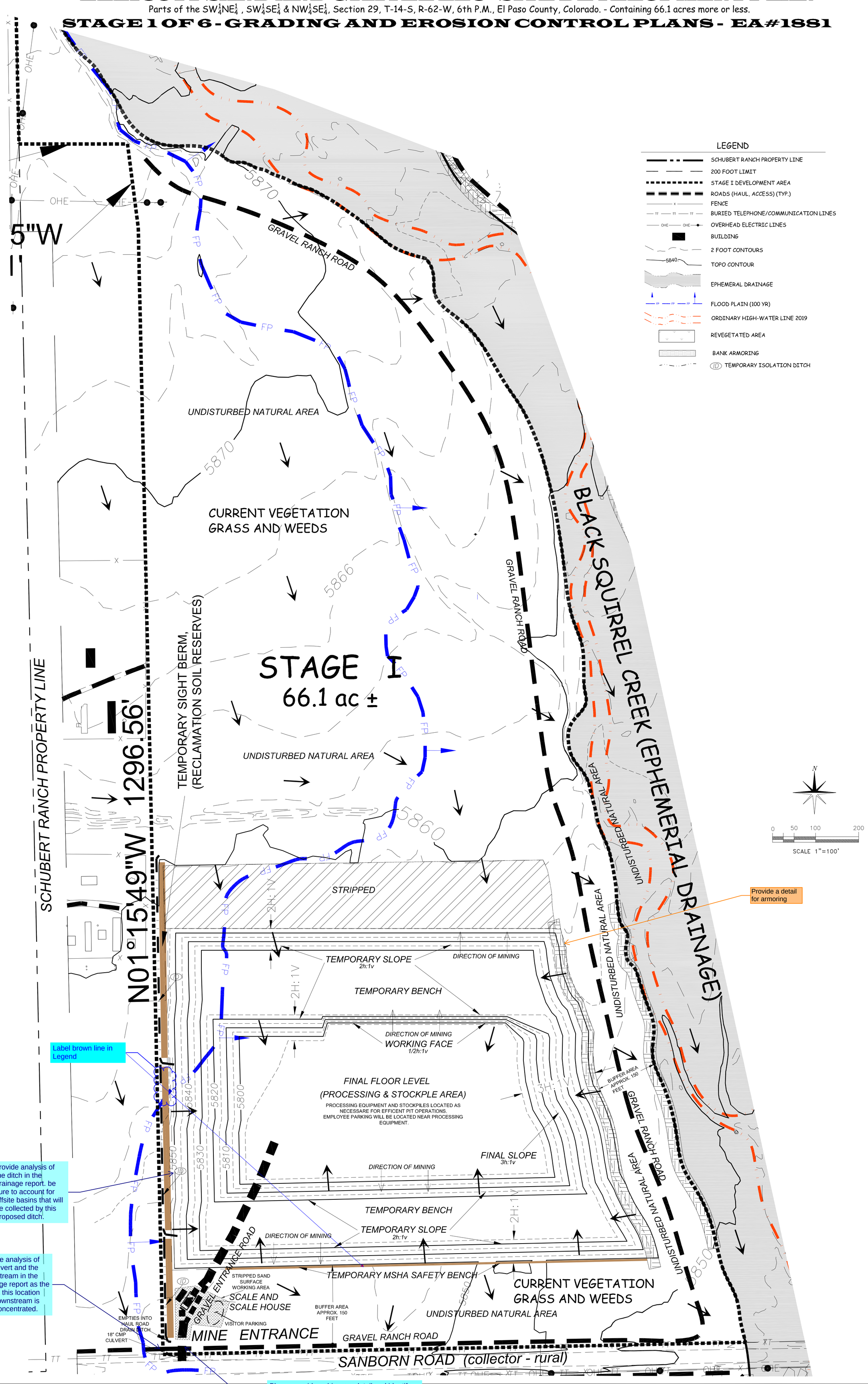
CHECKED BY:	DRAWN BY:	SCALE:	FILE NAME:	DATE:
HBH	ENV/slo	AS NOTED	ESG-DP GRADING 2	01/05/2023

REVISED: JAN 05, 2023 – 09:36:24

ELLICOTT SAND AND GRAVEL LLC - SITE DEVELOPMENT PLAN

Parts of the SW¼NE¼ , SW¼SE¼ & NW¼SE¼, Section 29, T-14-S, R-62-W, 6th P.M., El Paso County, Colorado. - Containing 66.1 acres more or less.

STAGE 1 OF 6 - GRADING AND EROSION CONTROL PLANS - EA#1881



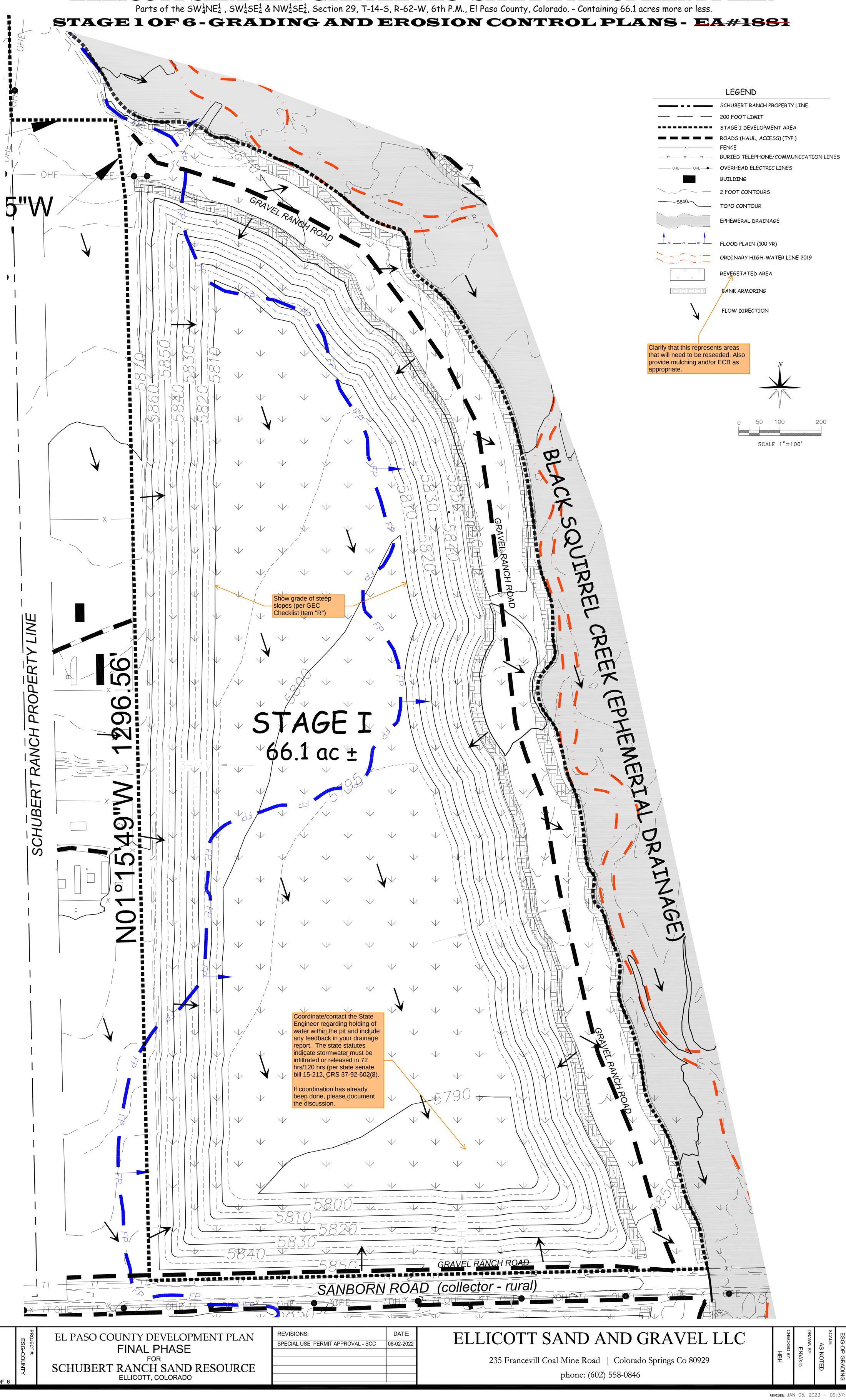
3 SHEET 3 OF 5	PROJECT #: ESG-COUNTY	EL PASO COUNTY DEVELOPMENT PLAN INTERIM PHASE FOR SCHUBERT RANCH SAND RESOURC ELLICOTT, COLORADO	ATE: 2-2022	ELLICOTT SAND AND GRAVEL LLC 235 Francevill Coal Mine Road | Colorado Springs Co 80929 phone: (602) 558-0846	CHECKED BY: HBH DRAWN BY: ENV/slo SCALE: AS NOTED FILE NAME: ESG-DP GRADING 3 DATE: 01/05/2023	

REVISED: JAN 05, 2023 – 09:35:39

ELLICOTT SAND AND GRAVEL LLC - SITE DEVELOPMENT PLAN

Parts of the $SW\frac{1}{4}NE\frac{1}{4}$, $SW\frac{1}{4}SE\frac{1}{4}$ & $NW\frac{1}{4}SE\frac{1}{4}$, Section 29, T-14-S, R-62-W, 6th P.M., El Paso County, Colorado. - Containing 66.1 acres more or less.

STAGE 1 OF 6 - GRADING AND EROSION CONTROL PLANS - ~~EA#1881~~



4 SHEET 4 OF 6	PROJECT #: ESG-COUNTY	EL PASO COUNTY DEVELOPMENT PLAN FINAL PHASE FOR SCHUBERT RANCH SAND RESOURCE ELLICOTT, COLORADO	REVISIONS: / SPECIAL USE PERMIT APPROVAL - BCC	DATE: / 08-02-2022	ELLICOTT SAND AND GRAVEL LLC 235 Francevill Coal Mine Road | Colorado Springs Co 80929 phone: (602) 558-0846

CHECKED BY: HBH | DRAWN BY: ENV/slo | SCALE: AS NOTED | FILE NAME: ESG-DP GRADING | DATE: 01/05/2023

REVISED: JAN 05, 2023 – 09:37:04

ELLICOTT SAND AND GRAVEL LLC - SITE DEVELOPMENT PLAN

Parts of the SW¼NE¼ , SW¼SE¼ & NW¼SE¼, Section 29, T-14-S, R-62-W, 6th P.M., El Paso County, Colorado. - Containing 66.1 acres more or less.

STAGE 1 OF 6 - GRADING AND EROSION CONTROL PLANS - EA#1881

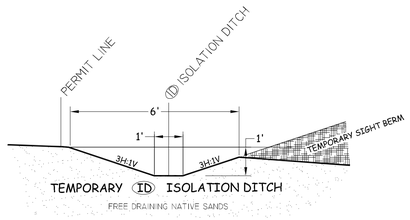
TEMPORARY SAFETY BERMS

1) WILL BE CONSTRUCTED TO MINE HEALTH & SAFETY ADMINISTRATION STANDARDS (MSHA) TO PREVENT VEHICLES FROM ENTERING THE HAZARDOUS AREAS.

2) WILL HAVE STEEP SIDES AND ADEQUATE HEIGHT TO PREVENT HEAVY EQUIPMENT FROM CROSSING.

3) LOCATION OF SAFETY BERMS WILL CHANGE AND MAINTAINED AS NEEDED DURING THE LIFE OF THE MINE.

4) WILL BE REMOVED DURING RECLAMATION OF ADJOINS SLOPES.



TEMPORARY ISOLATION DITCH

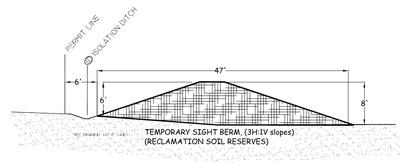
1) ISOLATION DITCHES WILL BE CONSTRUCTED BETWEEN THE PROPERTY LINE AND THE DISTURBED AREA WHERE THE PERMIT LINE IS UP GRADIENT OF THE AREA TO BE MINED.

2) WILL BE A MINIMUM OF 12 INCHES DEEP WITH 3H TO 1V SIDE SLOPES AND WILL BE DIRECTED TO DRAIN INTO THE EXCAVATED AREAS.

3) WILL BE INSTALLED WHERE NEEDED AS MINING PROGRESSES AT THE BASE OF THE SIGHT BERM.

4) WILL BE CLEANED AND MAINTAINED AS NEEDED UNTIL RECLAMATION IS COMPLETE ADJACENT TO THE DITCH.

5) WILL BE REMOVED DURING RECLAMATION.



Please label these areas on the plan. Identify whether any erosion protection is needed down the slope of the excavated hole where this concentrated flow will be directed.

TEMPORARY SIGHT BERMS

1) TEMPORARY SIGHT BERM WILL BE INSTALLED AS MINING PROGRESS ALONG THE WEST SIDE OF STAGE I USING THE SALVAGED GROWTH MEDIUM. THE MATERIAL WILL LATER BE USED DURING RECLAMATION.

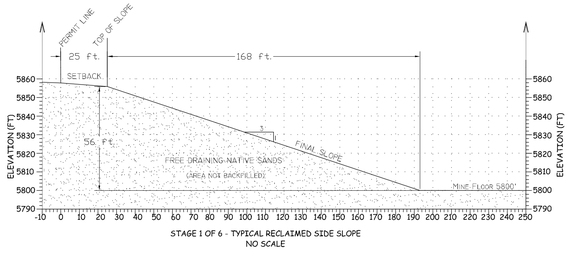
2) THE HEIGHT OF THE BERMS WILL BE 6 TO 10 FEET HIGH TO LIMIT VISUAL IMPACTS TO RESIDENCES NORTH OF SANBORN ROAD.

3) WILL BE BUILT IN 300 TO 400 FEET LONG SEGMENTS, WITH SHORT DRAINAGE GAPS BETWEEN TO ALLOW DRAINAGE FROM THE ISOLATION DITCH TO BE DIVERTED TO THE EXCAVATED HOLE.

4) SIDE SLOPE OF EACH SEGMENT WILL BE GRADED 3H:1V AND SEEDED WITHE APPROVED SEED MIX AS SOON AS PRACTICAL ONCE CONSTRUCTION IS COMPLETE

5) CONSTRUCTION OF THE BERMS WILL PROGRESS WITH MINING.

6) WILL BE REMOVED DURING RECLAMATION OF ADJOINING SLOPES.



STAGE 1 OF 6 - TYPICAL RECLAIMED SIDE SLOPE
NO SCALE

FINAL SLOPE GRADING

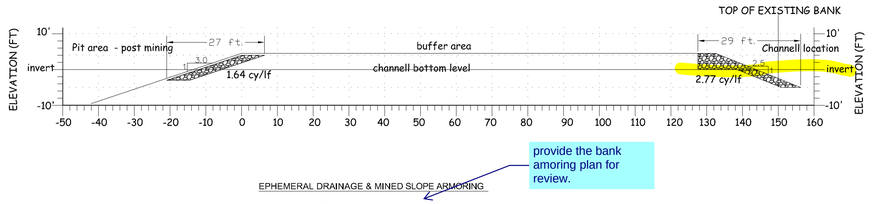
1) ALL EXTERIOR SLOPES WILL BE GRADED INTO THE MINED AREA AND RECLAIMED PER THE DIVISION OF RECLAMATION, MINING AND SAFETY APPROVED RECLAMATION PLAN.

2) RECLAMATION WILL RUN CONCURRENT WITH MINING. MEANING AS MINING PROGRESS WHEN THE FINAL SLOPING AND RESOILED IS COMPLETE AND THE AREA WILL NOT BE REDISTURBED IT WILL BE SEEDED TO REDUCE THE AMOUNT OF SITE DISTURBANCE AT ONE TIME.

3) SLOPES FROM THE SURFACE TO THE FLOOR WILL BE GRADED 3H:1V OR FLATTER.

4) GROWTH MEDIUM STORED IN THE SIGHT BERMS WILL BE RESPREAD OVER THE AREA TO BE SEEDED.

5) THE MINED AREA WILL BE REVEGETATED WHEN RESOILING IS COMPLETE. I T WILL BE DONE DURING THE RECOMMENDED SEASON FOR DRYLAND SEEDING.



EPHEMERAL DRAINAGE & MINED SLOPE ARMORING

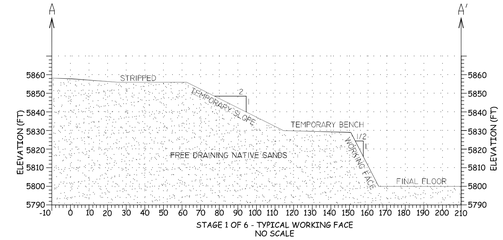
provide the bank amoring plan for review.

1) SEE ATTACHED ***BANK ARMORING PLAN*** FOR DETAIL ON CONSTRUCTION.

2) ARMORING WILL BE INSTALLED IN 500 FEET LONG SECTION S AS SLOPE RECLAMATION IS COMPLETE ALONG THE 150 -FOOT SETBACK FROM THE WEST BANK OF BLACK SQUIRREL CREEK.

3) ARMORING PLAN HAS BEEN REVIEWED AND APPROVED BY THE COLORADO DIVISION OF RECLAMATION, MINING AND SAFETY (CDRMS).

4) DESIGN IS BASED ON MILE HIGH FLOOD DISTRICT (AKA URBAN DRAINAGE) AND IS BASED ON ***RECOMMENDED TECHNICAL REVIEW GUIDELINES FOR GRAVEL MINING AND WATER STORAGE ACTIVITIES WITHIN OR ADJACENT TO 100-YEAR FLOODPLAINS*** (JANUARY 2013)



STAGE 1 OF 6 - TYPICAL WORKING FACE
NO SCALE

MINING AREA GRADING

1) WHEN MINING COMMENCE S, THE TOP 8 TO 12 INCHES OF GROWTH MEDIUM WILL BE REMOVED LEAVING A SHALLOW HOLE WHERE MINING WILL TAKE PLACE. GROWTH MEDIUM WILL BE PLACED IN THE SIGHT BERMS.

2) FROM STRIPPING FORWARD ALL DISTURBED AREA WILL BE SLOPED TO MINE INTO THE DISTURBED AREA SO ALL STORMWATER WILL BE RETAINED ON SITE TO EITHER SOAK INTO THE GROUND OR EVAPORATE.

3) AL FINAL SLOPES WILL BE GRADED 3H:1V. TEMPORARY WORKING FACE SLOPE WILL BE GRADED 2H:1V FOR SAFETY REASONS AND ALL ACTIVE WORKING FACES WILL BE MINED NEAR VERTICAL (½:1). TEMPORARY AND WORKING FACE SLOPES ALL DRAIN INTO THE MINE SO NO OFF-SITE DRAINAGE PROTECTION IS NEEDED.

PROJECT #: ESG-COUNTY

EL PASO COUNTY SITE DEVELOPMENT PLAN
CROSS SECTION DETAILS
FOR
SCHUBERT RANCH SAND RESOURCE
ELLICOTT, COLORADO

REVISIONS:	DATE:
SPECIAL USE PERMIT APPROVAL - BCC	08-02-2022

ELLICOTT SAND AND GRAVEL LLC
235 Francevill Coal Mine Road | Colorado Springs Co 80929
phone: (602) 558-0846

CHECKED BY: HBH
DRAWN BY: EW/sb
SCALE: NA
FILE NAME: ESG-DP GRADING
DATE: 01/05/2023

REVISED: JAN 5, 2023 - 9:34:05