

TUCSON SOUTH RESOURCE MLRB 112 PERMIT MINING MAP

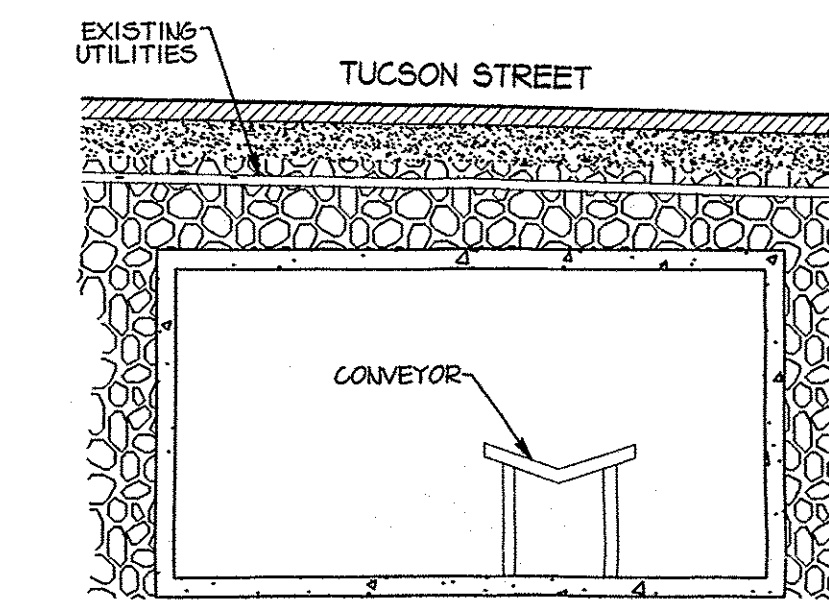
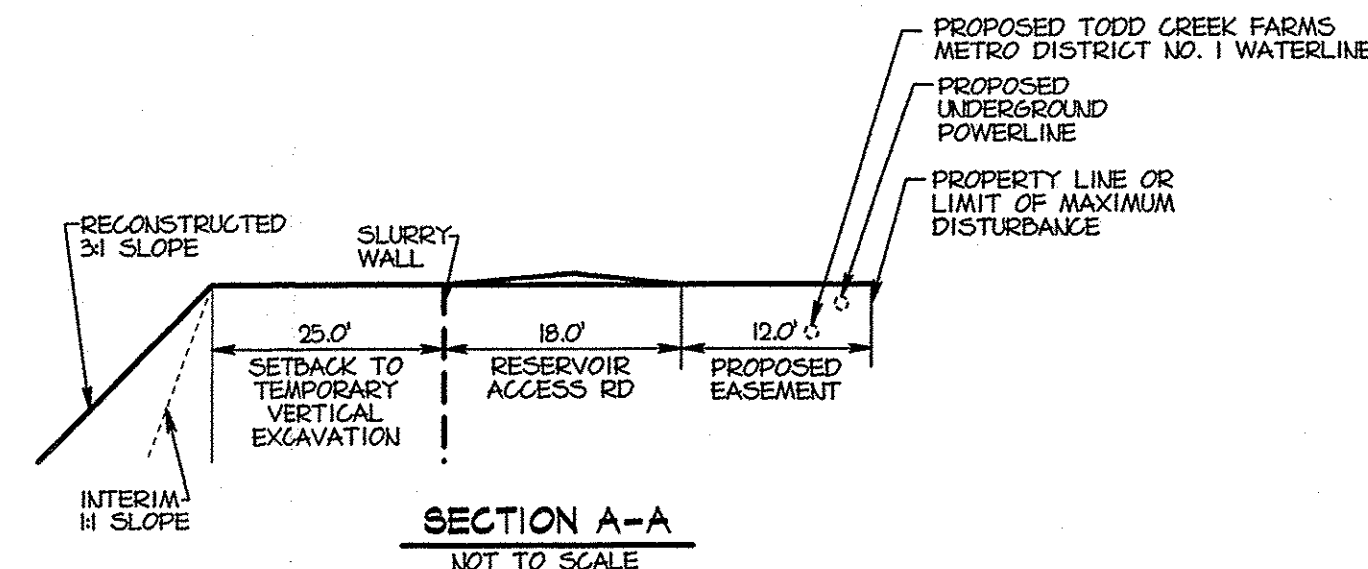
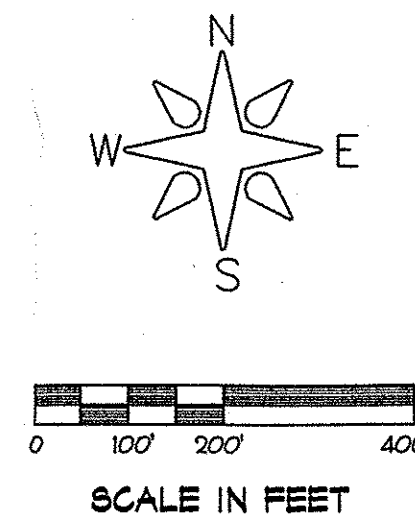
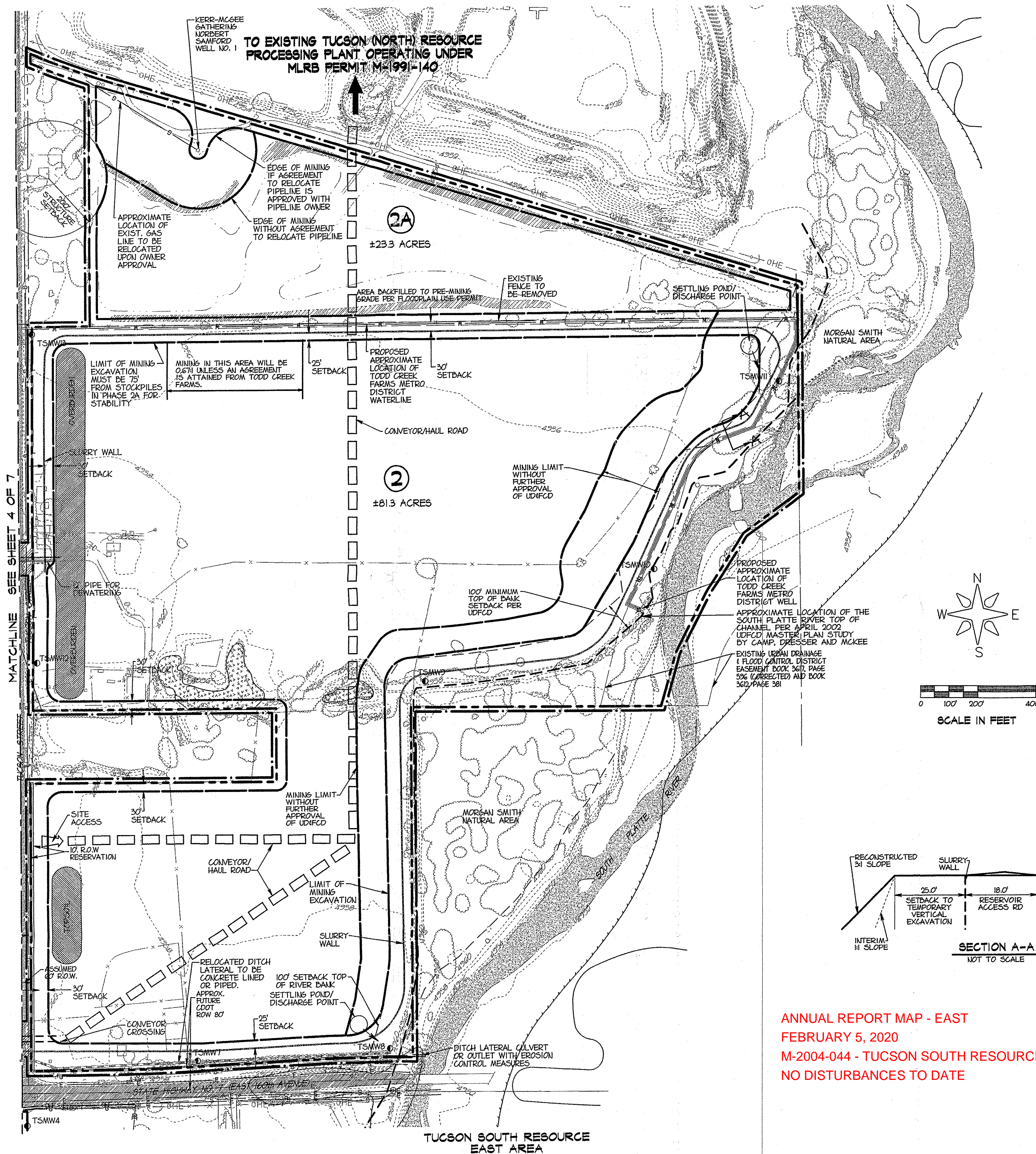
A TRACT OF LAND LOCATED IN THE NE1/4,
SW1/4 AND SE1/4 OF SECTION 1,
AND THE NE1/4 OF THE NW1/4 OF SECTION 12,
TOWNSHIP 1 SOUTH, RANGE 67 WEST
OF THE 6TH P.M.,
COUNTY OF ADAMS, STATE OF COLORADO.
CONTAINING 290.71± ACRES
TOTAL AFFECTED LAND 291.5+/- ACRES

MINING NOTES:

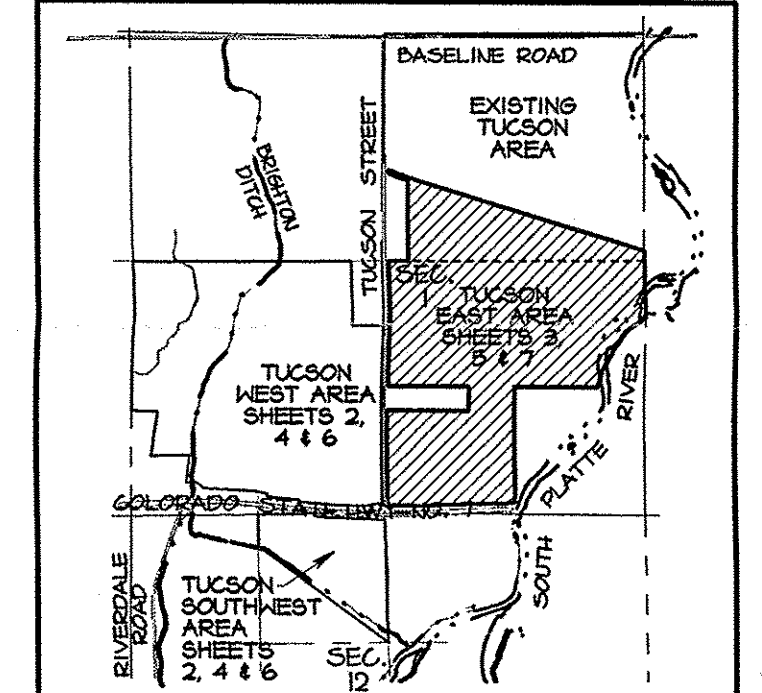
1. REFER TO COVERSHEET/OVERALL PLAN FOR ADJACENT PROPERTY OWNERS; REFER TO EXISTING CONDITIONS SHEET FOR SOURCE OF SURVEY/TOPOGRAPHY, BENCHMARK, FLOODPLAIN AND WETLANDS INFORMATION.
2. ALONG THE SOUTH PLATTE RIVER, THE LIMIT OF MINING SHALL BE 100' FROM THE TOP OF IMPROVED WEST BANK OF THE SOUTH PLATTE RIVER AS ALLOWED BY URBAN DRAINAGE AND FLOOD CONTROL DISTRICT (UDFCD).
3. INSTALLATION OF THE PIPES UNDER 160TH AVENUE (SH 7) FOR TRANSPORTING AGGREGATE MATERIAL FROM PHASE 1 TO THE PROCESSING PLANT SHALL REQUIRE APPROVAL OF THE COLORADO DEPARTMENT OF TRANSPORTATION (CDOT). TRUCK EXPORT OF AGGREGATE AND/OR BORROW MATERIAL SHALL ONLY BE ALLOWED BY APPROVAL OF THE COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) OF AN ACCESS PERMIT THAT MAY INCLUDE CONSTRUCTION OF ROADWAY IMPROVEMENTS DEEMED NECESSARY BY CDOT.
4. AN ENGINEERING STABILITY ANALYSIS HAS BEEN PERFORMED TO ENSURE ANY MINING OCCURRING WITHIN 200' OF A MAN-MADE STRUCTURE NOT OWNED BY THE APPLICANT/OPERATOR HAS ADEQUATE SETBACK. THE DISTANCES REQUIRED BY THE STABILITY ANALYSIS ARE INCLUDED ON THIS PLAN.
5. FOR PHASE 2 AND 3, THE OPERATOR WILL USE DRY MINING TECHNIQUES AND EXCAVATE MATERIAL BY BACKHOE, BULLDOZERS, AND SIMILAR EQUIPMENT. THE MINING FOR THESE PHASES WILL INVOLVE INSTALLATION OF A SLURRY WALL, DE-WATERING ACTIVE MINING AREAS, AND PUMPING WATER FROM DE-WATERED AREAS IN ACCORDANCE WITH THE DISCHARGE PERMIT. THE PHASE 1 MINE AREA WILL BE WET MINED.
6. TOPSOIL AND OVERBURDEN STOCKPILES SHALL BE TEMPORARILY STORED IN THE AREAS SHOWN. THE STOCKPILES IN THE FLOODPLAIN SHALL BE ALIGNED PARALLEL TO THE FLOOD-FLOW DIRECTION OF THE S. PLATTE RIVER, HAVE A MAXIMUM HEIGHT OF 30', A MAXIMUM LENGTH OF 300', MAXIMUM 3:1V SLOPES, AND A MINIMUM OF 100' BETWEEN STOCKPILES.
7. OVERBURDEN AND TOPSOIL STOCKPILES ABOVE EXISTING GRADE, THAT ARE EXPECTED TO BE PRESENT FOR OVER 1 YEAR, WILL BE SEEDED WITH A TEMPORARY SEED MIX AS WEATHER PERMITS.
8. STOCKPILED TOPSOIL WILL BE SEGREGATED FROM OTHER SPOIL.
9. THE OPERATION WILL INVOLVE CONCURRENT MINING AND RECLAMATION WITH FINAL SLOPES BEING 3:1V, AND PLACEMENT OF 6" TOPSOIL ON ALL RECONSTRUCTED AREAS ABOVE THE PROPOSED HIGH WATER LEVEL OF THE FUTURE RESERVOIR, AND OTHER DISTURBED AREAS AS NECESSARY.
10. TETRA TECH RMC, INC. IS NOT RESPONSIBLE FOR SAFETY, IN, ON, OR ABOUT THE PROJECT SITE, NOR FOR COMPLIANCE BY THE APPROPRIATE PARTY OF ANY REGULATIONS THERETO.
11. A MINIMUM OF TEN (10) FEET OF CLEARANCE FROM ANY EXISTING POWERLINE OR FUTURE POWERLINE SHALL BE MAINTAINED AT ALL TIMES AS OUTLINED BY STATE STATUTES.
12. UTILITIES SHOWN ON THIS PLAN WERE FIELD LOCATED AT THE TIME OF PLAN PREPARATION. FOR SAFETY, THE OPERATOR SHOULD LOCATE UTILITIES PRIOR TO SLURRY WALL CONSTRUCTION, OR MINING ACTIVITY.
13. SLURRY WALL SHOWN HEREIN IS GENERAL LOCATION ONLY. REFER TO THE SLURRY WALL DESIGN PLANS AND SPECIFICATIONS FOR DESIGN LOCATION.
14. PRIOR TO DISTURBANCE OF ANY WATERS OF THE U.S., A.I. WILL GET APPROPRIATE APPROVALS FROM THE U.S. ARMY CORPS OF ENGINEERS.
15. NO IRRIGATION DITCHES WILL BE DISTURBED UNTIL AN AGREEMENT HAS BEEN REACHED WITH THE DITCH COMPANY.
16. MINING OR FILL PLACEMENT IN THE "WEST FILL AREA" WILL BEGIN IN DECEMBER THROUGH FEBRUARY. IF MINING OR FILL ACTIVITY MUST BEGIN DURING THE MONTHS OF MARCH TO NOVEMBER, AGGREGATE INDUSTRIES-WCR, INC. WILL SURVEY TO DETERMINE IF BURROW OWLS ARE PRESENT.

LEGEND:

- PROPERTY BOUNDARY
- - - AFFECTED LAND/PERMIT BOUNDARY
- ▨ AFFECTED LAND IN ADJACENT R.O.W.
- 100 YR. FLOODPLAIN
- EXISTING WATER
- EXISTING 2' CONTOURS
- x- EXISTING FENCE
- EXISTING TREES
- UTILITY POLE
- E- ELECTRIC LINE
- G- GAS LINE
- W- WATER LINE
- T- TELEPHONE LINE
- TELEPHONE RISER
- WATER METER
- ▨ EXISTING NON-JURISDICTIONAL WETLANDS
- MONITORING WELL LOCATION
- SLURRY WALL
- RELOCATED DITCH LATERAL
- LIMIT OF MINING EXCAVATION
- MINING PHASE LINES
- PROCESSING AREA
- ON SITE HAIL ROAD/CONVEYOR
- PROPOSED ACCESS
- ▨ OVERBURDEN & TOPSOIL STOCKPILES
- ▨ TOPSOIL BERM W/ GRASS COVER SCREENING
- FINISHED PRODUCT STOCKPILES
- SETTLING POND/DISCHARGE POINT



NOTE: THIS DETAIL IS INTENDED TO BE CONCEPTUAL DESIGN. INSTALLATION OF THE CONVEYOR CROSSING BOX UNDER TUCSON STREET IS SUBJECT TO APPROVAL OF ADAMS COUNTY PUBLIC WORKS DEPT. AND COORDINATION WITH EXISTING UTILITIES.



ANNUAL REPORT MAP - EAST
FEBRUARY 5, 2020
M-2004-044 - TUCSON SOUTH RESOURCE
NO DISTURBANCES TO DATE

RECORD	DATE	DESIGNED BY: KF
ADDERALY REVIEW 10-20-04	11-17-04	PREPARED BY: DP/SR
ADAMS COUNTY REFERRAL RESPONSE	12-14-04	CHECKED BY: KF
		JOB NO: 80-5919.019.01

TETRA TECH RMC
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TUCSON SOUTH RESOURCE
MINING PLAN

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