

TUCSON SOUTH RESOURCE
PRE-MINING AND MINING PLAN MAPS

GRAVEL MINING APPLICANT / OPERATOR:

AGGREGATE INDUSTRIES-WCR, INC.
1687 COLE BLVD, SUITE 300
GOLDEN, COLORADO 80401

SURFACE OWNERS:

AGGREGATE INDUSTRIES-WCR, INC. (TRACTS A, B, D, E, F, H, I, AND M)
1687 COLE BLVD, SUITE 300
GOLDEN, COLORADO 80401

CITY OF AURORA (TRACTS C, G, AND K)
15151 EAST ALAMEDA PARKWAY
SUITE 3600
AURORA, COLORADO 80012

CITY OF THORNTON (TRACT J)
12450 WASHINGTON STREET
THORNTON, COLORADO 80241

ADAMS COUNTY (TRACT L)
ADAMS COUNTY GOVERNMENT CENTER
4430 SOUTH ADAMS COUNTY PARKWAY
BRIGHTON, COLORADO 80601

PLEASE REFER TO SHEETS C-2 AND C-3 FOR ADJACENT PROPERTY OWNERS WITHIN 200' OF PERMIT BOUNDARY. ADJACENT PROPERTY OWNER INFORMATION WAS PROVIDED BY ADAMS COUNTY AND WELD COUNTY RECORDS.

EXISTING VEGETATION:

THE LAND COVER FOR THE PROJECT AREA WAS DETERMINED THROUGH A DESKTOP ANALYSIS OF THE NATIONAL LAND COVER DATABASE (FRY ET AL 2011). THE PROJECT LIES WITHIN COVER CLASSES IDENTIFIED BY THE NLCD AS CULTIVATED CROPLAND, HAY/PASTURE, HERBACEOUS, GRASSLANDS, WOODY AND HERBACEOUS WETLANDS, AND DEVELOPED AND BARREN.

UTILITY INFORMATION:

UTILITY INFORMATION TAKEN FROM THE TUCSON SOUTH ALTAINSPS LAND TITLE SURVEY DATED SEPTEMBER 7, 2018 BY CIVIL ARTS.

WETLAND NOTE:

WETLANDS SHOWN ON PLANS ARE PER INVESTIGATION REPORTS BY TETRA TECH DATED AUGUST 2017.

FLOOD HAZARD INFORMATION:

FLOODPLAIN INFORMATION IS FROM FLOOD INSURANCE RATE MAP, PANEL NO. 08001C0327H & 08001C0326H, DATED MARCH 5, 2007. A PORTION OF THIS LAND LIES WITHIN ZONE AE (SPECIAL FLOOD HAZARD AREAS INUNDED BY THE 1% ANNUAL CHANCE FLOOD) AND REGULATORY FLOODWAY.

MINING AREA ACREAGE TABLE:

AREA/PHASE	TRACT	PERMIT BOUNDARY	AFFECTED AREA		MINED AREA
WEST/ PHASE 1	A	82.6	82.6	88.6	72.0
	B	1.0	1.0		
	C	5.0	5.0		
	K	49.0	0.0		
EAST/ PHASE 2	D	14.4	14.4	139.4	83.8
	E	30.7	30.7		
	F	29.6	29.6		
	G	4.9	4.9		
	H	32.6	32.6		
CONVEYOR	J	3.3	3.3	3.3	0.0
	L	2.9	2.9	2.9	0.0
	TUCSON ST				
TOTALS		283.2	234.2	155.8	

FLOOD HAZARD LEGEND:

EFFECTIVE ZONE AE: AREA OF 1% ANNUAL CHANCE FLOOD WITH BASE FLOOD ELEVATIONS DETERMINED, AS SHOWN ON FEMA FIRM (MARCH 5, 2007)

EFFECTIVE ZONE X: AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD, AS SHOWN ON FEMA FIRM (MARCH 5, 2007)

EFFECTIVE FLOODWAY: THE FLOODWAY IS THE CHANNEL OF A STREAM PLUS ANY ADJACENT FLOODPLAIN AREAS THAT MUST BE KEPT FREE OF ENCROACHMENT SO THAT THE 1% ANNUAL CHANCE FLOOD CAN BE CARRIED WITHOUT SUBSTANTIAL INCREASES IN FLOOD HEIGHTS, AS SHOWN ON FEMA FIRM (MARCH 5, 2007)

PRE-PROJECT / MINING CONDITIONS: AREA OF 1% ANNUAL CHANCE FLOODPLAIN PER TETRA TECH STUDY (NOV. 2018 OR AS REVISED)

LEGAL DESCRIPTIONS:

TRACT A

THAT PARCEL OF LAND AS DESCRIBED IN A GENERAL WARRANTY DEED RECORDED FEBRUARY 27, 2001 AT RECEPTION NO. C0765905, COUNTY OF ADAMS, STATE OF COLORADO.

EXCEPT PARCEL B AS DESCRIBED IN A GENERAL WARRANTY DEED RECORDED FEBRUARY 27, 2001 AT RECEPTION NO. C0765905, COUNTY OF ADAMS, STATE OF COLORADO.

AND EXCEPT THAT TRACT OF LAND CONVEYED TO CITY OF AURORA AS DESCRIBED IN GENERAL WARRANTY DEED RECORDED DECEMBER 22, 2005, AS RECEPTION NO. 20051222001399920, COUNTY OF ADAMS, STATE OF COLORADO.

TRACT B

A PARCEL OF LAND IN THE SW 1/4 OF SECTION I, TOWNSHIP I SOUTH, RANGE 67 WEST OF THE 6TH P.M., COUNTY OF ADAMS, STATE OF COLORADO, DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHWEST CORNER OF SAID SECTION 1; THENCE NORTH ALONG THE WEST LINE OF SAID SECTION 1 A DISTANCE OF 1449 FEET; THENCE S84°05'E A DISTANCE OF 1334.7 FEET TO THE TRUE POINT OF BEGINNING; THENCE S89°18'E, 260.7 FEET; THENCE N07°32'E, 171.9 FEET; THENCE N89°18'W, 280.7 FEET; THENCE S07°32'W, 171.6 FEET TO THE POINT OF BEGINNING, COUNTY OF ADAMS, STATE OF COLORADO.

TRACT C

ALL THAT TRACT OF LAND DESCRIBED IN THE SPECIAL WARRANTY DEED RECORDED SEPTEMBER 26, 2016 AT RECEPTION NO. 2016000080681, COUNTY OF ADAMS, STATE OF COLORADO.

TRACT D

THAT PART OF THE NORTH ONE-HALF SOUTHEAST ONE-QUARTER, SECTION 1, TOWNSHIP 1 SOUTH, RANGE 67 WEST OF THE SIXTH PRINCIPAL MERIDIAN, ADAMS COUNTY, COLORADO DESCRIBED AS:

COMMENCING AT THE NORTHWEST CORNER OF SAID NORTH ONE-HALF SOUTHEAST ONE-QUARTER, SAID POINT BEING THE POINT OF BEGINNING; THENCE N. 89°37'18" E. ALONG THE NORTH LINE OF SAID NORTH ONE-HALF SOUTHEAST ONE-QUARTER A DISTANCE OF 1050.57 FEET; THENCE S. 00°08'29" E. PARALLEL WITH THE WEST LINE OF SAID NORTH ONE-HALF SOUTHEAST ONE-QUARTER A DISTANCE OF 621.95 FEET TO A LINE THAT IS PARALLEL WITH THE NORTH LINE OF SAID NORTH ONE-HALF SOUTHEAST ONE-QUARTER AND 5 FEET SOUTH OF AN EXISTING HOUSE; THENCE S. 89°37'18" W. ALONG SAID LINE A DISTANCE OF 1050.57 FEET TO THE WEST LINE OF SAID NORTH ONE-HALF SOUTHEAST ONE-QUARTER; THENCE N. 00°08'29" W. ALONG THE WEST LINE OF SAID NORTH ONE-HALF SOUTHEAST ONE-QUARTER A DISTANCE OF 621.95 FEET, TO THE POINT OF BEGINNING; EXCEPT THE WEST 40.00 FEET THEREOF, COUNTY OF ADAMS, STATE OF COLORADO.

TRACT E

THAT PART OF THE NORTH ONE-HALF SOUTHEAST ONE QUARTER SECTION 1, TOWNSHIP 1 SOUTH, RANGE 67 WEST OF THE SIXTH PRINCIPAL MERIDIAN, ADAMS COUNTY, COLORADO, LYING NORTH AND WEST OF THE CENTERLINE OF THE SOUTH PLATTE RIVER, DESCRIBED AS:

COMMENCING AT THE NORTHWEST CORNER OF SAID NORTH ONE-HALF SOUTHEAST ONE-QUARTER; THENCE SOUTH 00°08'29" EAST ALONG THE WEST LINE OF SAID NORTH ONE-HALF SOUTHEAST ONE-QUARTER, A DISTANCE OF 621.95 FEET TO A LINE THAT IS PARALLEL WITH THE NORTH LINE OF SAID NORTH ONE-HALF SOUTHEAST ONE-QUARTER AND 5 FEET SOUTH OF AN EXISTING HOUSE AND THE POINT OF BEGINNING; THENCE NORTH 89°37'18" EAST, PARALLEL WITH THE NORTH LINE OF SAID NORTH ONE-HALF SOUTHEAST ONE-QUARTER, A DISTANCE OF 1050.57 FEET; THENCE NORTH 00°08'29" WEST, PARALLEL WITH THE WEST LINE OF SAID NORTH ONE-HALF SOUTHEAST ONE-QUARTER, A DISTANCE OF 621.95 FEET TO THE NORTH LINE OF SAID NORTH ONE-HALF SOUTHEAST ONE-QUARTER; THENCE NORTH 89°37'18" EAST ALONG THE NORTH LINE OF SAID NORTH ONE-HALF SOUTHEAST ONE-QUARTER, A DISTANCE OF 1635.47 FEET TO THE NORTHEAST CORNER OF SAID NORTH ONE-HALF SOUTHEAST ONE-QUARTER; THENCE SOUTH 00°31'01" EAST ALONG THE EAST LINE OF SAID NORTH ONE-HALF SOUTHEAST ONE-QUARTER, A DISTANCE OF 590.02 FEET TO THE CENTERLINE OF THE SOUTH PLATTE RIVER; THENCE SOUTHERLY ALONG THE CENTERLINE OF THE SOUTH PLATTE RIVER SOUTH 53°55'12" WEST, A DISTANCE OF 142.93 FEET TO A LINE THAT IS 646.34 FEET NORTH OF AND PARALLEL WITH THE SOUTH LINE OF SAID NORTH ONE-HALF SOUTHEAST ONE-QUARTER; THENCE SOUTH 89°54'25" WEST ALONG SAID LINE, A DISTANCE OF 1324.16 FEET TO A LINE THAT IS 1250.00 FEET EAST OF AND PARALLEL WITH THE WEST LINE OF SAID NORTH ONE-HALF SOUTHEAST ONE-QUARTER; THENCE SOUTH 00°08'29" EAST, PARALLEL WITH THE WEST LINE OF SAID NORTH ONE-HALF SOUTHEAST ONE-QUARTER, A DISTANCE OF 169.08 FEET TO A LINE THAT IS 477.26 FEET NORTH OF AND PARALLEL WITH THE SOUTH LINE OF SAID NORTH ONE-HALF SOUTHEAST ONE-QUARTER; THENCE SOUTH 89°54'25" WEST ALONG SAID LINE, A DISTANCE OF 477.26 FEET TO THE WEST LINE OF SAID NORTH ONE-HALF SOUTHEAST ONE-QUARTER; THENCE NORTH 00°08'29" WEST ALONG THE WEST LINE OF SAID NORTH ONE-HALF SOUTHEAST ONE-QUARTER, A DISTANCE OF 207.94 FEET TO THE POINT OF BEGINNING, EXCEPT THE WEST 40.00 FEET THEREOF, COUNTY OF ADAMS, STATE OF COLORADO.

TRACT F

THAT PART OF THE NORTH ONE-HALF OF THE SOUTHEAST ONE-QUARTER, SECTION 1, TOWNSHIP 1, SOUTH, RANGE 67 WEST OF THE SIXTH PRINCIPAL MERIDIAN, ADAMS COUNTY, STATE OF COLORADO, LYING NORTH AND WEST OF THE CENTERLINE OF THE SOUTH PLATTE RIVER DESCRIBED AS:

COMMENCING AT THE SOUTHWEST CORNER OF SAID NORTH ONE-HALF SOUTHEAST ONE-QUARTER, SAID POINT BEING THE POINT OF BEGINNING; THENCE N00°08'29"W, ALONG THE WEST LINE OF SAID NORTH ONE-HALF SOUTHEAST ONE-QUARTER A DISTANCE OF 477.26 FEET; THENCE N89°54'25"E, PARALLEL WITH THE SOUTH LINE OF SAID NORTH ONE-HALF SOUTHEAST ONE-QUARTER, A DISTANCE OF 1250.00 FEET; THENCE N00°08'29", PARALLEL WITH THE WEST LINE OF SAID NORTH ONE-HALF SOUTHEAST ONE-QUARTER, A DISTANCE OF 169.08 FEET; THENCE N89°54'25"E, PARALLEL WITH THE SOUTH LINE OF SAID

NORTH ONE HALF SOUTHEAST ONE-QUARTER A DISTANCE OF 1324.16 FEET TO THE CENTERLINE OF THE SOUTH PLATTE RIVER; THENCE BY THE FOLLOWING COURSES AND DISTANCES ALONG THE CENTERLINE OF THE SOUTH PLATTE RIVER, S83°55'12"W, 94.57 FEET; S32°39'44"W, 231.53 FEET; S26°54'09"W, 242.48 FEET; S15°48'38"W, 187.17 FEET TO THE SOUTH LINE OF SAID NORTH ONE-HALF SOUTHEAST ONE-QUARTER; THENCE S89°54'25"W, ALONG THE SOUTH LINE OF SAID NORTH ONE-HALF SOUTHEAST ONE-QUARTER, A DISTANCE OF 2210.47 FEET TO THE POINT OF BEGINNING, EXCEPT THE WEST 40.00 FEET THEREOF, COUNTY OF ADAMS, STATE OF COLORADO.

TRACT G

ALL THAT TRACT OF LAND DESCRIBED IN THE QUIT CLAIM DEED RECORDED MARCH 2, 2017 AT RECEPTION NO. 2017000018970, COUNTY OF ADAMS, STATE OF COLORADO.

TRACT H

THE SW1/4 OF THE SE1/4 OF SECTION 1, TOWNSHIP 1 SOUTH, RANGE 67 WEST, EXCEPT THAT PART AS DESCRIBED IN BOOK 1055 AT PAGE 52, AND IN BOOK 1214 AT PAGE 326 AND EXCEPT THAT PART DESCRIBED IN BOOK 1205 AT PAGE 128, COUNTY OF ADAMS, STATE OF COLORADO

TRACT J

A PORTION OF A PARCEL OWNED BY THE CITY OF THORNTON (PN: 0157101002001) LOCATED IN THE NORTHEAST QUARTER OF SECTION 1, TOWNSHIP 1 SOUTH, RANGE 67 WEST OF THE 6TH P.M., COUNTY OF ADAMS, STATE OF COLORADO, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: THE WEST 50.00 FEET; THE NORTH 50.00 FEET OF THE WEST 1250.00 FEET; AND THE SOUTH 50.00 FEET OF THE WEST 380.00 FEET.

TRACT K

A PARCEL OF LAND LOCATED IN THE SOUTH HALF OF THE NORTHEAST QUARTER OF SECTION 1, TOWNSHIP 1 SOUTH, RANGE 67 WEST OF THE 6TH P.M., COUNTY OF ADAMS, STATE OF COLORADO, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE EAST QUARTER CORNER OF SAID SECTION 1; THENCE SOUTH 89°39'53" WEST 2445.14 FEET ALONG THE SOUTH LINE OF THE NORTHEAST QUARTER OF SAID SECTION 1; THENCE NORTH 00°06'03" WEST 827.14 FEET; THENCE 214.58 FEET ALONG THE ARC OF A CURVE TO THE RIGHT HAVING A RADIUS OF 2944.62 FEET AND A LONG CHORD WHICH BEARS NORTH 69°36'00" WEST 214.53 FEET TO A POINT LYING 40.00 FEET EASTERLY FROM THE WEST LINE OF THE NORTHEAST QUARTER OF SAID SECTION 1; THENCE NORTH 00°00'03" WEST 32.52 FEET PARALLEL TO THE WEST LINE OF THE NORTHEAST QUARTER OF SAID SECTION 1; THENCE 305.94 FEET ALONG THE ARC OF A CURVE TO THE LEFT HAVING A RADIUS OF 2914.62 FEET AND A LONG CHORD WHICH BEARS SOUTH 70°16'26" EAST 305.80 FEET, SAID POINT BEING ON THE SOUTHERLY LINE OF THE TUCSON RESOURCES SUBDIVISION AS RECORDED IN THE ADAMS COUNTY RECORDS IN FILE 17 MAP 855; THENCE SOUTH 73°16'48" EAST 2463.67 FEET ALONG THE SOUTHERLY LINE OF SAID TUCSON RESOURCES SUBDIVISION TO THE EAST LINE OF THE NORTHEAST QUARTER OF SAID SECTION 1; THENCE SOUTH 00°10'30" EAST 108.13 FEET ALONG THE EAST LINE OF THE NORTHEAST QUARTER OF SAID SECTION 1 TO THE POINT OF BEGINNING.

TRACT L (TUCSON STREET RIGHT-OF-WAY)

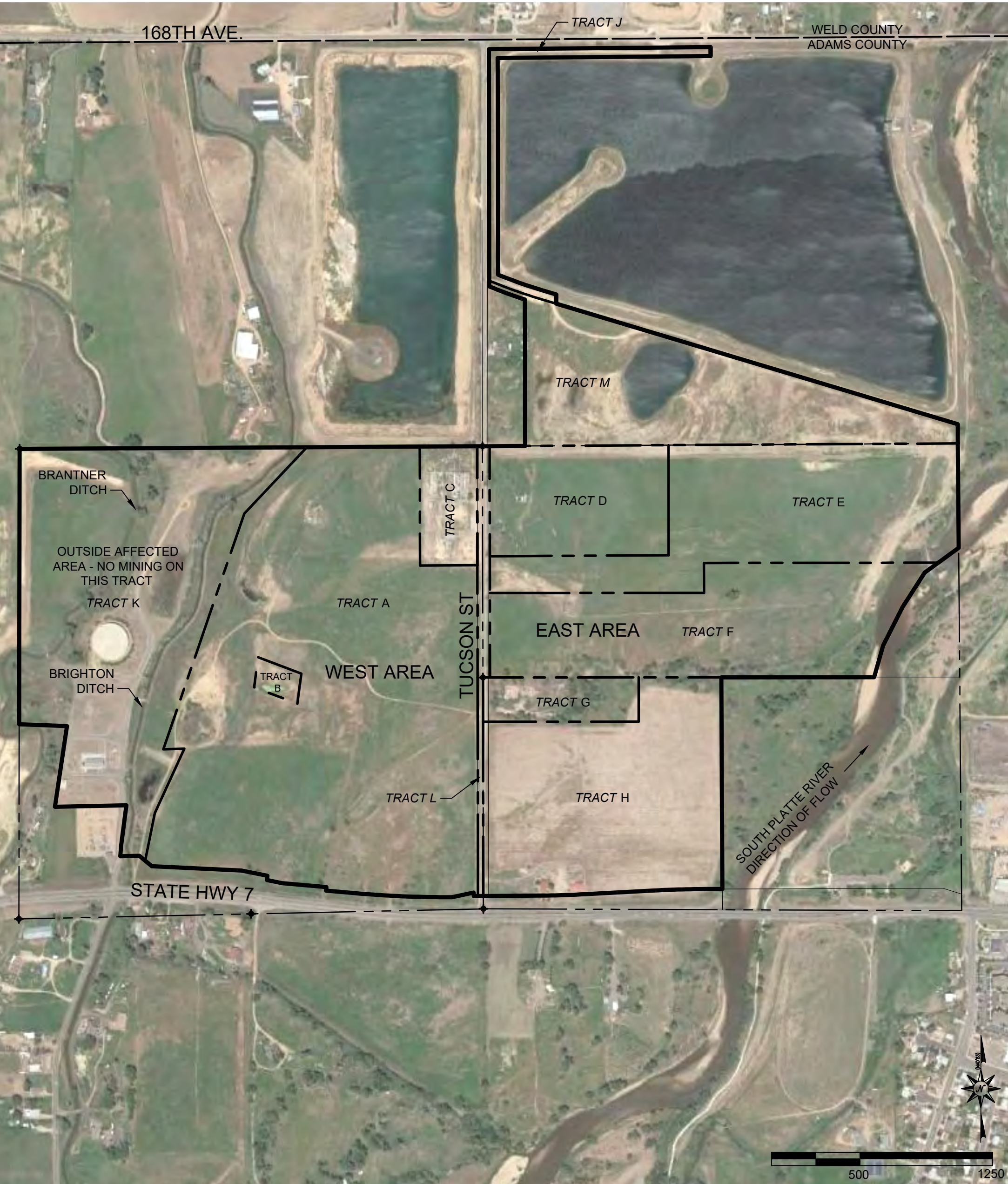
A TRACT OF LAND LOCATED IN THE SOUTH HALF OF SECTION 1, TOWNSHIP 1 SOUTH, RANGE 67 WEST OF THE 6TH P.M., COUNTY OF ADAMS, STATE OF COLORADO, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE CENTER-SOUTH ONE-SIXTEENTH CORNER OF SECTION 1; THENCE ALONG THE NORTH-SOUTH CENTERLINE OF SECTION 1 SOUTH 00°06'29" EAST 1234.13 FEET TO A POINT WHENCE THE SOUTH ONE-QUARTER CORNER OF SECTION 1 BEARS SOUTH 00°06'29" EAST 72.70 FEET; THENCE LEAVING SAID NORTH-SOUTH CENTERLINE SOUTH 89°33'20" WEST 30.00 FEET TO THE WESTERLY RIGHT-OF-WAY LINE OF TUCSON STREET; THENCE ALONG SAID WESTERLY RIGHT-OF-WAY LINE NORTH 00°06'29" WEST 2541.11 FEET TO A POINT ON THE NORTH LINE OF THE SOUTHEAST QUARTER OF SECTION 1; THENCE ALONG SAID NORTH LINE NORTH 89°40'23" EAST 30.00 FEET TO THE CENTER ONE-QUARTER CORNER OF SECTION 1; THENCE ALONG THE NORTH LINE OF THE SOUTHEAST QUARTER OF SECTION 1 NORTH 89°39'20" EAST 40.00 FEET TO A POINT ON THE EASTERLY RIGHT-OF-WAY LINE OF TUCSON STREET; THENCE ALONG SAID EASTERLY RIGHT-OF-WAY LINE SOUTH 00°06'29" EAST 1307.12 FEET; THENCE LEAVING SAID EASTERLY RIGHT-OF-WAY LINE SOUTH 89°56'30" WEST 40.00 FEET TO THE CENTER-SOUTH ONE-SIXTEENTH CORNER OF SECTION 1 AND THE POINT OF BEGINNING.

TRACT M

A PARCEL OF LAND LOCATED IN THE SOUTH HALF OF THE NORTHEAST QUARTER OF SECTION 1, TOWNSHIP 1 SOUTH, RANGE 67 WEST OF THE SIXTH PRINCIPAL MERIDIAN, ADAMS COUNTY, STATE OF COLORADO BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE EAST ONE-QUARTER CORNER OF SECTION 1; THENCE WEST 2445.14 FEET; THENCE NORTH 827.14 FEET; THENCE 214.58 FEET ALONG THE ARC OF A CURVE TO THE RIGHT, HAVING A RADIUS OF 2944.62 FEET AND A LONG CHORD WHICH BEARS NORTH 69°36' WEST 214.53 FEET TO A POINT 40 FEET EASTERLY FROM THE WEST LINE OF THE NORTHEAST QUARTER OF SAID SECTION 1; THENCE NORTH 32.52 FEET; THENCE 305.94 FEET ALONG THE ARC OF A CURVE TO THE LEFT, HAVING A RADIUS OF 2914.62 FEET AND A LONG CHORD WHICH BEARS SOUTH 70°16' EAST 305.80 FEET; THENCE SOUTH 73°01' EAST 2463.67 FEET; THENCE SOUTH 108.13 FEET TO THE POINT OF BEGINNING.



MINING NOTES:

- REFER TO EXHIBITS C-2 AND C-3 FOR ADJACENT PROPERTY OWNERS, SOURCE OF SURVEY/TOPOGRAPHY, AND BENCHMARK INFORMATION.
- AN ENGINEERING STABILITY ANALYSIS FOR SLIDING FAILURE HAS BEEN PERFORMED. MINING OCCURRING WITHIN 200' OF A MAN-MADE STRUCTURE NOT OWNED BY THE APPLICANT/OPERATOR HAS ADEQUATE SETBACK FOR SLIDING FAILURE. THE LIMIT OF MINING EXCAVATION PER THE GEOTECHNICAL SLOPE STABILITY ANALYSIS IS SHOWN ON EXHIBITS C-4 AND C-5.
- FOR THE WEST AND EAST CELLS, 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.
- 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 3H:1V SLOPES, AND A MINIMUM OF 100' BETWEEN STOCKPILES.
- 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.
- OVERBURDEN AND TOPSOIL STOCKPILES MAY BE STORED IN THE BOTTOM OF THE MINING CELLS IN EAST AND WEST MINING AREAS AS LONG AS THE TOP OF THE STOCKPILE IS BELOW THE PRE-MINING SURFACE ELEVATION.
- STOCKPILED TOPSOIL WILL BE SEGREGATED FROM OTHER SPOIL.
- THE OPERATION WILL INVOLVE CONCURRENT MINING AND RECLAMATION WITH FINAL SLOPES BEING 3H:1V, AND PLACEMENT OF 6" TO 12" OF TOPSOIL ON ALL RECONSTRUCTED AREAS ABOVE THE PROPOSED HIGH WATER LEVEL OF THE FUTURE RESERVOIR. AND OTHER DISTURBED AREAS AS NECESSARY.
- TETRA TECH INC. IS NOT RESPONSIBLE FOR SAFETY, IN, ON, OR ABOUT THE PROJECT SITE, NOR FOR

- COMPLIANCE BY THE APPROPRIATE PARTY OF ANY REGULATIONS THERETO.
- 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.
 - 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.
 - SLURRY WALL SHOWN HEREIN IS GENERAL LOCATION ONLY. THE PORTION OF THE SLURRY WALL IN THE TUCSON STREET ROW WILL BE CONSTRUCTED UPON APPROVAL OF ADAMS COUNTY.
 - PRIOR TO DISTURBANCE OF ANY WATERS OF THE U.S., AGGREGATE INDUSTRIES-WCR, INC. WILL GET APPROPRIATE APPROVALS FROM THE U.S. ARMY CORPS OF ENGINEERS.
 - NO IRRIGATION DITCHES WILL BE DISTURBED. LATERALS THAT SERVE THE PROPERTY WILL BE REMOVED.
 - WETLANDS BUFFER SHALL NOT BE DISTURBED UNTIL USACE AUTHORIZATION IS OBTAINED.
 - THE MAXIMUM SLOPE ON EASTERN AND SOUTHERN HIGHWALL EXCAVATIONS THAT ARE 400 FEET OR LESS FROM THE SOUTH PLATTE RIVER SHALL NOT EXCEED 3H:1V BETWEEN APRIL 1 AND SEPTEMBER 30.
 - THE MINING LIMITS SHOWN HEREIN ASSUME A 3H:1V (EAST AND WEST AREAS) AS DESCRIBED IN THE SLOPE STABILITY AND SETBACK UPDATES MEMO (TETRA TECH, JULY 9, 2019). DEVIATIONS FROM THE ASSUMPTIONS MADE IN THE MEMO MAY IMPACT THE ALLOWABLE GEOTECHNICAL SETBACK. THIS MEMO DOES NOT DOCUMENT SETBACKS THAT ARE BASED ON MUTUAL AGREEMENT'S OR ADAMS COUNTY REGULATIONS.

SHEET INDEX:

- C-1 EXHIBIT C COVER SHEET & MINING NOTES
C-2 EXHIBIT C PER-MINING PLAN MAP WEST AREAS
C-3 EXHIBIT C PRE-MINING PLAN MAP EAST AREA
C-4 EXHIBIT C WEST AREA MINING PLAN
C-5 EXHIBIT C EAST AREA MINING PLAN
C-6 EXHIBIT C MINING DETAILS

CERTIFICATION:

THIS MAP WAS ORIGINALLY PREPARED & CERTIFIED BY TETRATECH, 3/15/2019, PROJECT NUMBER 200-23514-18004. MODIFIED BY MARK SPANIEL WITH LAFARGEHOLCIM.

Mine Planner II - Mark Spaniel 6-10-2020



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MARK	DATE	DESCRIPTION	BY
1	7/8/19	FIRST ADEQUACY REVIEW RESPONSE	TH
2	9/16/19	SECOND ADEQUACY REVIEW RESPONSE	TH
3	11/6/19	THIRD ADEQUACY REVIEW RESPONSE	TH
4	4/30/20	REMOVE SOUTH MINING AREA	MES

AGGREGATE INDUSTRIES - WCR, INC.

TUCSON SOUTH
RESOURCE

EXHIBIT C

COVER SHEET & MINING NOTES

Project No.: 200-23514-18004

Designed By: JAB

Drawn By: JJA

Checked By: JAB

C-1

EXHIBIT

Bar Measures 1 inch