

PIKE SOLAR

GRADING, EROSION & SEDIMENT CONTROL PLANS

A PORTION OF SECTION 7, 18, 19, 30, 31 TOWNSHIP 16 SOUTH, RANGE 64 WEST, AND A PORTION OF SECTION 11, 12, 13, 14, 23, 24, 25, 26, 35, & 36 TOWNSHIP 16 SOUTH, RANGE 65 WEST, 6TH P.M. EL PASO COUNTY, COLORADO.

LEGAL DESCRIPTION

TRACT 1:
THE FOLLOWING DESCRIBED LANDS LOCATED IN TOWNSHIP 16 SOUTH, RANGE 64 WEST OF THE 6TH P.M., EL PASO COUNTY, COLORADO:

SECTION 19: THE SE 1/4 NW 1/4; LOTS 3 AND 4 (W 1/2 SW 1/4) AND THE E 1/2 SW 1/4
SECTION 30: LOTS 1, 2, 3 AND 4 (W 1/2 NW 1/4 AND W 1/2 SW 1/4); E 1/2 NW 1/4 AND THE E 1/2 SW 1/4
SECTION 31: LOTS 1 AND 2 (W 1/2 NW 1/4) AND THE E 1/2 NW 1/4

THE FOLLOWING DESCRIBED LANDS LOCATED IN TOWNSHIP 16 SOUTH, RANGE 65 WEST OF THE 6TH P.M., EL PASO COUNTY, COLORADO:

SECTION 13: ALL EXCEPT THE NW 1/4 NE 1/4
SECTION 14: E 1/2
SECTION 23: E 1/2
SECTION 24: ALL
SECTION 25: ALL
SECTION 26: NE 1/4
SECTION 36: N 1/2

PARCEL ID: 56000-00-123

TRACT 2:
ALL THE REAL PROPERTY, TOGETHER WITH IMPROVEMENTS, IF ANY, SITUATE, LYING AND BEING IN THE COUNTY OF EL PASO AND STATE OF COLORADO, DESCRIBED AS FOLLOWS:

PORTIONS OF SECTIONS 11, 12 AND 13, TOWNSHIP 16 SOUTH, RANGE 65 WEST AND PORTIONS OF SECTIONS 7, 18 AND 19, TOWNSHIP 16 SOUTH, RANGE 64 WEST OF THE SIXTH PRINCIPAL MERIDIAN, EL PASO COUNTY, COLORADO, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

ALL OF SAID SECTION 12;
THE EAST HALF OF SAID SECTION 11;
THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SAID SECTION 13;
THE NORTHEAST QUARTER OF THE SOUTHWEST QUARTER AND GOVERNMENT LOTS 3 AND 4 OF SAID SECTION 7;
THE EAST HALF OF THE WEST HALF AND GOVERNMENT LOTS 1, 2, 3 AND 4 OF SAID SECTION 18;
GOVERNMENT LOTS 1 AND 2 AND THE NORTHEAST QUARTER OF SAID SECTION 19;

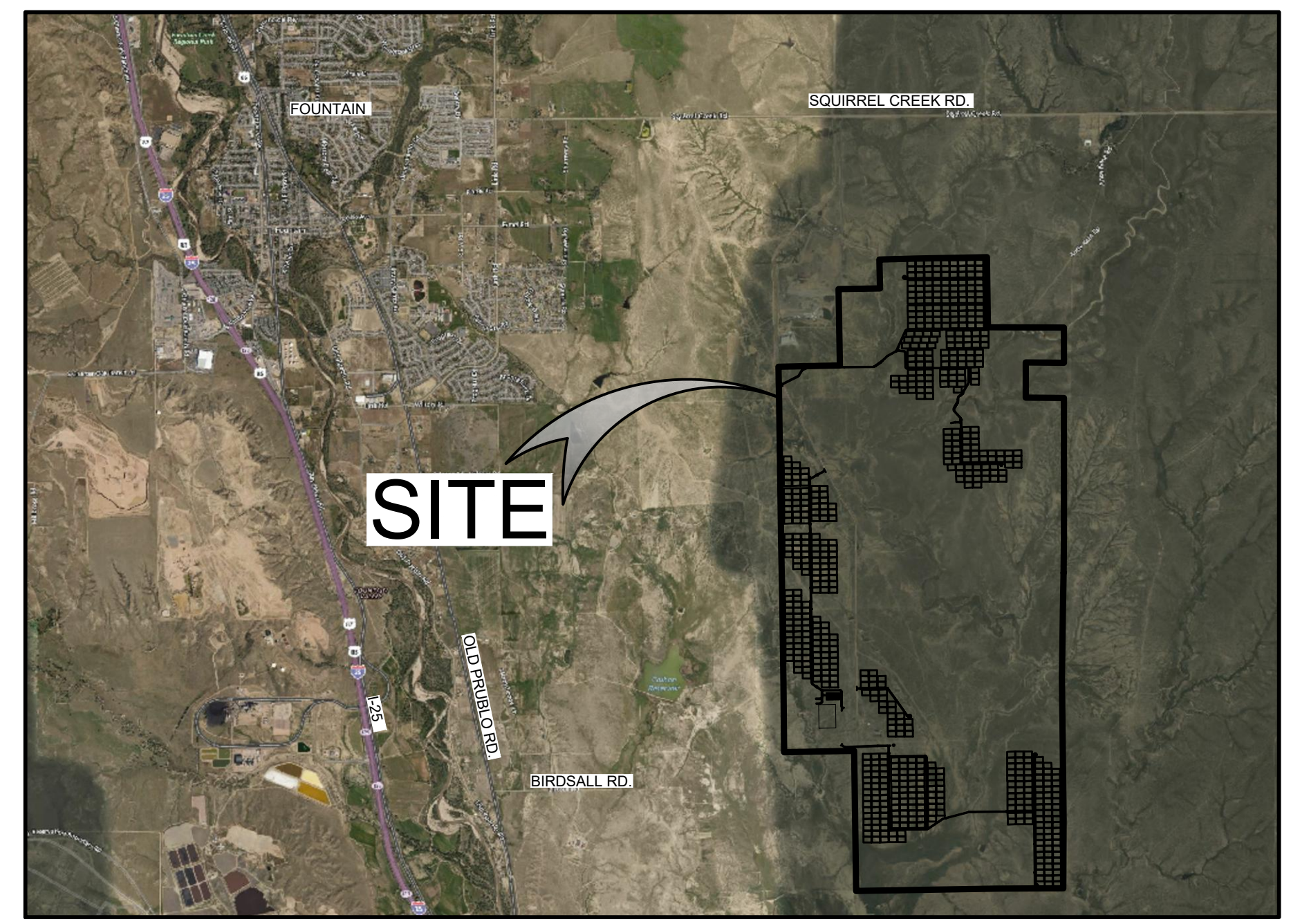
EXCEPTING FROM SAID SECTIONS 11 AND 12 THOSE PORTIONS DESCRIBED IN BOOK 5734 AT PAGE 253.

SAID TRACTS ARE FURTHER DESCRIBED ON THE LAND SURVEY PLAT NO. 97902142 OF THE RECORDS OF EL PASO COUNTY, COLORADO AND CONTAIN APPROXIMATELY 1341.96 ACRES, MORE OR LESS.

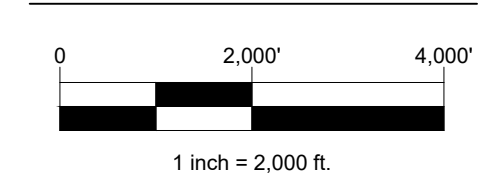
PARCEL ID: 56000-00-140

GEC NOTES

- STORMWATER DISCHARGES FROM CONSTRUCTION SITES SHALL NOT CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR DEGRADATION OF STATE WATERS. ALL WORK AND EARTH DISTURBANCE SHALL BE DONE IN MANNER THAT MINIMIZES POLLUTION OF ANY ON-SITE OR OFF-SITE WATERS, INCLUDING WETLANDS.
- NOTWITHSTANDING 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 DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING.
- 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.
- ONCE THE ESQCP IS APPROVED AND A "NOTICE TO PROCEED" HAS BEEN ISSUED, THE CONTRACTOR MAY INSTALL THE INITIAL STAGE EROSION AND SEDIMENT CONTROL MEASURES AS INDICATED ON THE APPROVED GEC. 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 TIME AND PLACE WITH COUNTY STAFF.
- 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.
- ALL TEMPORARY SEDIMENT 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 PERSONS 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.
- 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.
- 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.
- 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.
- EARTH DISTURBANCES 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.



VICINITY MAP



ENGINEERS 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 REPORT.

ENGINEER OF RECORD SIGNATURE _____ DATE _____

OWNERS STATEMENT:

THE OWNER WILL COMPLY WITH THE REQUIREMENTS OF THE GRADING AND EROSION CONTROL PLAN.

OWNER SIGNATURE _____ DATE _____

EL PASO COUNTY:

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, AND ENGINEERING CRITERIA MANUAL AS AMENDED.

COUNTY PROJECT ENGINEER SIGNATURE _____ DATE _____

DEVELOPMENT CODE, DCM VOLUME II AND THE ECM APPENDIX I. ALL APPROPRIATE PERMITS MUST BE OBTAINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION (1041, NPDES, FLOODPLAIN, 404, FUGITIVE DUST, ETC.). IN THE EVENT OF CONFLICTS BETWEEN THESE REQUIREMENTS AND OTHER LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL, STATE, LOCAL, OR COUNTY AGENCIES, THE MOST RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPLY.

- ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE ONLY AT APPROVED CONSTRUCTION ACCESS POINTS.
- PRIOR TO CONSTRUCTION THE PERMITTEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.
- 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.
- THE SOILS REPORT FOR THIS SITE HAS BEEN PREPARED BY TERRACON, ON FEBRUARY 5, 2021 AND SHALL BE CONSIDERED PART OF THESE PLANS.
- AT LEAST TEN (10) DAYS PRIOR TO THE ANTICIPATED START OF CONSTRUCTION, FOR PROJECTS THAT WILL DISTURB ONE (1) 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. FOR INFORMATION OR APPLICATION MATERIALS CONTACT:

COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
WATER QUALITY CONTROL DIVISION
WOOD - PERMITS
4300 CHERRY CREEK DRIVE SOUTH
DENVER, CO 80246-1530
ATTN: PERMITS UNIT

OWNER

JUVI INC.
1710 29TH ST., SUITE 1068
BOULDER, CO 80301
CONTACT: BRIAN VICKERS
(702) 838-2302
EMAIL: BVICKERS@JUWIAMERICAS.COM

ENGINEER

CORE CONSULTANTS, INC.
3473 S. BROADWAY
ENGLEWOOD, CO 80113
(303) 703-4444
CONTACT: DAVID BACCI
EMAIL: BACCI@CORECONSIL.COM

BENCHMARK

THE NORTH 1/16 CORNER FOR SECTIONS 8 & 9, TOWNSHIP 8 SOUTH, RANGE 66 WEST OF THE 6TH PRINCIPAL MERIDIAN, BEING A REBAR WITH A 2-1/2" ALUMINUM CAP, STAMPED "PLS 28656"

PROJECT BENCHMARK ELEVATION = 6561.16 FEET

BASIS OF BEARING

THE BEARINGS SHOWN HEREON ARE BASED UPON THE EAST LINE OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 8, TOWNSHIP 8 SOUTH, RANGE 66 WEST OF THE 6TH PRINCIPAL MERIDIAN, FROM THE NORTH 1/16 CORNER OF SECTIONS 8 & 9, BEING MONUMENTED BY A REBAR WITH A 2-1/2" ALUMINUM CAP, STAMPED "PLS 28656" TO THE EAST 1/4 CORNER OF SAID SECTION 8, BEING MONUMENTED BY A REBAR WITH A 2-1/2" ALUMINUM CAP, STAMPED "PLS 28656," WITH ALL BEARINGS CONTAINED HEREIN RELATIVE THERETO.

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
CHECK DAM	LF	802
CONCRETE WASHOUT AREAS	EA	8
DIVERSION DITCH	LF	1,334
ROCK SOCK	LF	96
SEDIMENT BASIN	EA	1
SEDIMENT CONTROL LOG	LF	416
SEDIMENT TRAP	EA	41
SEEDING AND MULCHING	AC	152
SILT FENCE	LF	51,734
TEMPORARY STREAM CROSSING	EA	3
VEHICLE TRACKING CONTROL	EA	6

ENGINEER'S STATEMENT

PREPARED UNDER MY SUPERVISION

DAVID BACCI P.E.
COLORADO NO. 42104
FOR AND ON BEHALF OF CORE CONSULTANTS INC.

DATE
XX/XXXX

JOB NO.
20-194
SHEET
1 OF 78

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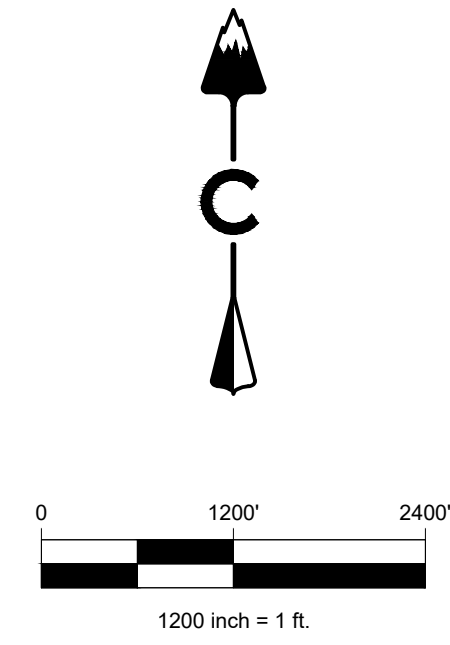
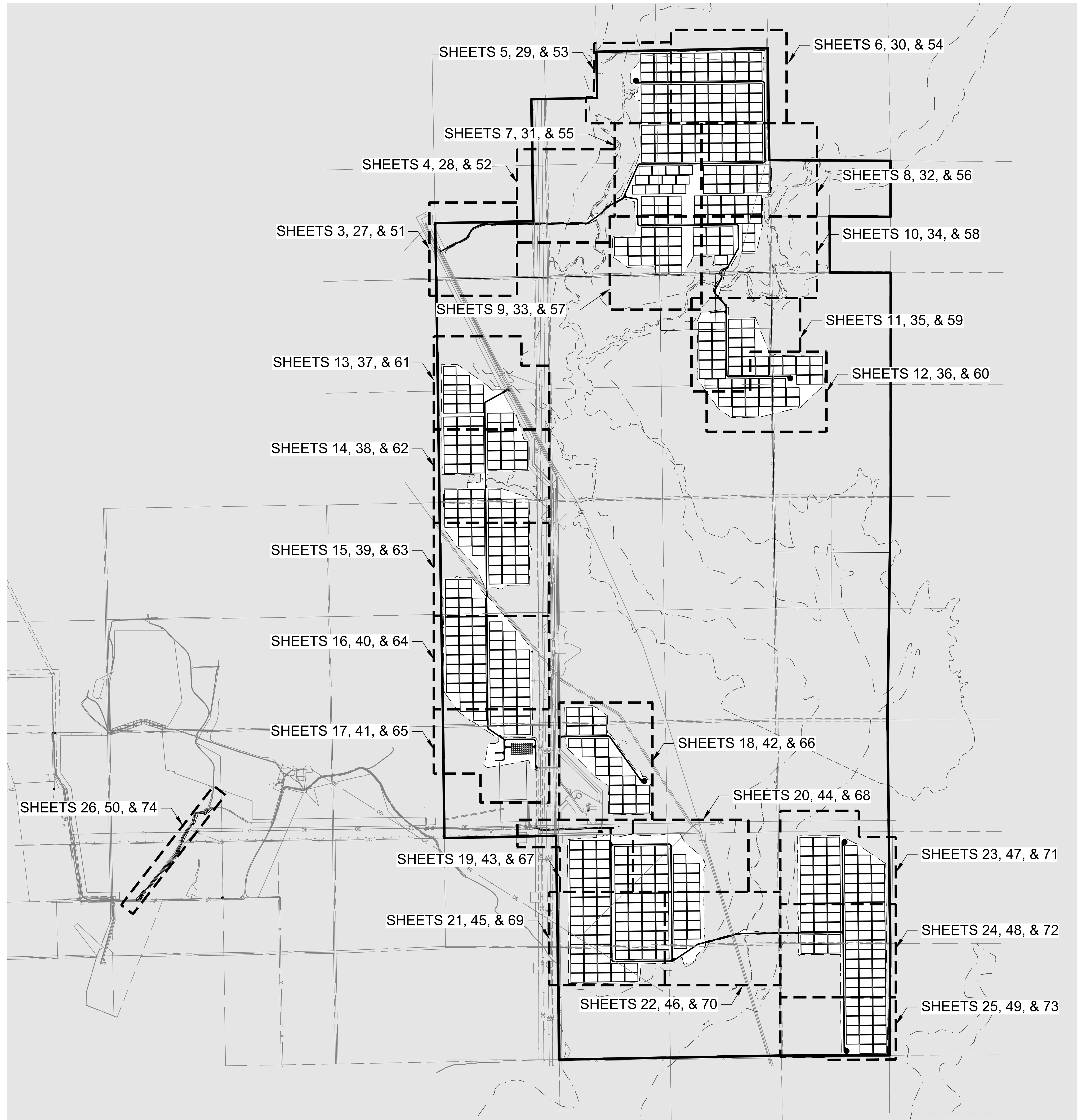
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GRADING & EROSION CONTROL PLANS
INDEX SHEET

#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	02/25/21	DB
2	BID SET	04/07/21	DB
3	2ND SUBMITTAL	10/20/21	RS

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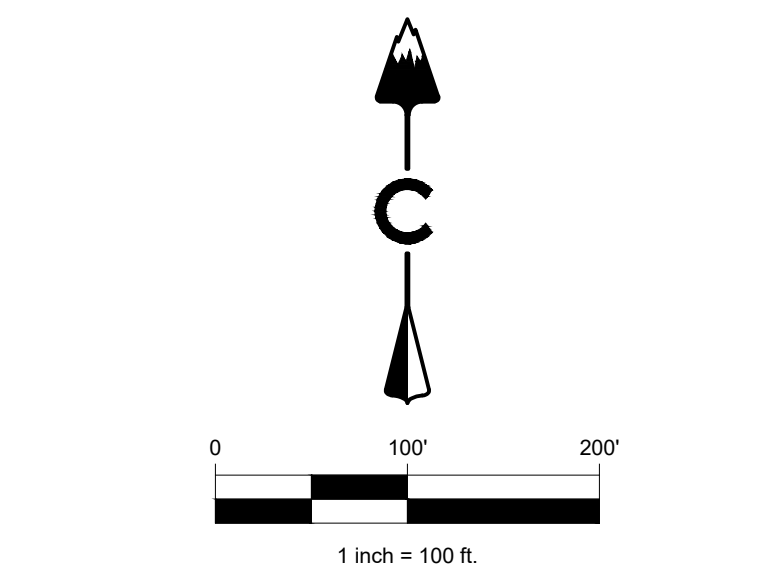
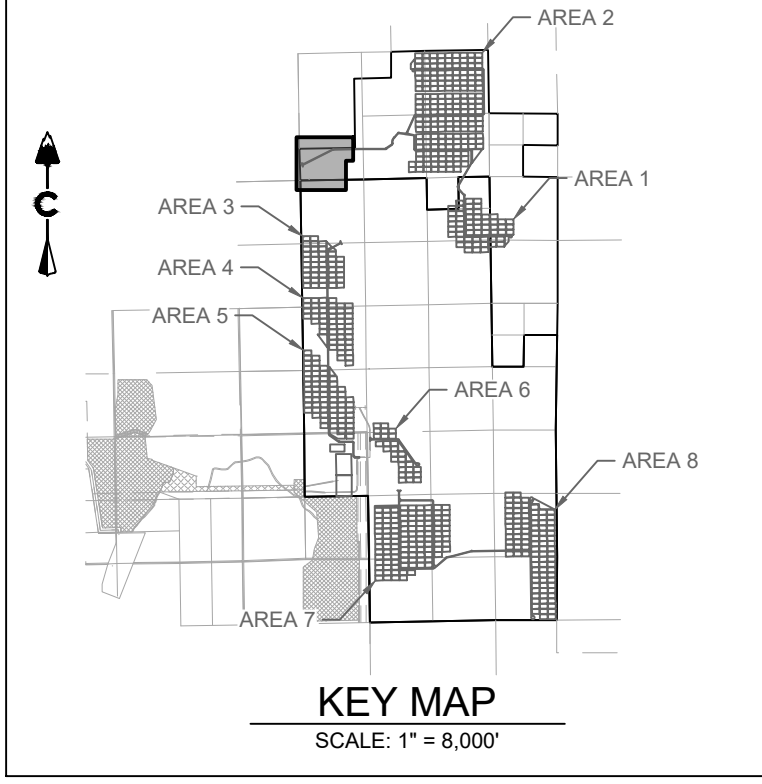
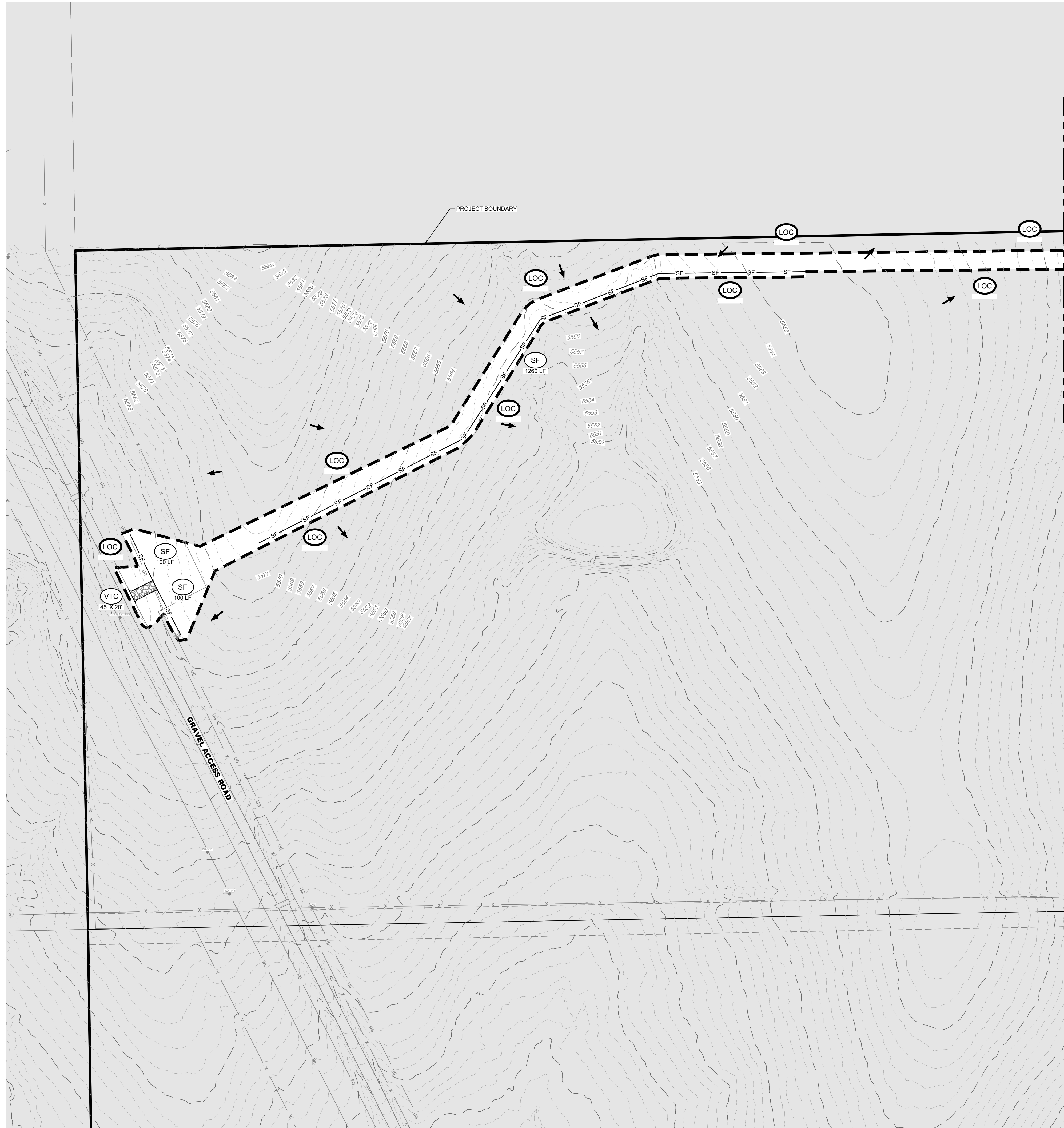
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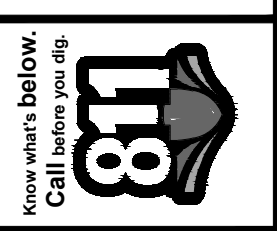


LEGEND

— 5280	PROPOSED MAJOR CONTOUR
— 5279	PROPOSED MINOR CONTOUR
- - - 5280	EXISTING MAJOR CONTOUR
- - - 5279	EXISTING MINOR CONTOUR
- - - - -	PHASE BOUNDARY
[Symbol]	(RCD) REINFORCED CHECK DAM
[Symbol]	(CWA) CONCRETE WASHOUT AREA
[Symbol]	(DD) DIVERSION DITCH
[Symbol]	(IP) INLET PROTECTION
[Symbol]	(RC) ROCK SOCK
[Symbol]	(SB) SEDIMENT BASIN
[Symbol]	(SCL) SEDIMENT CONTROL LOG
[Symbol]	(SM) SEEDING
[Symbol]	(SF) SILT FENCE
[Symbol]	(SSA) STABILIZED STAGING AREA
[Symbol]	(ST) SEDIMENT TRAP
[Symbol]	(TSC) TEMPORARY STREAM CROSSING
[Symbol]	(VTC) VEHICLE TRACKING CONTROL

- NOTES:**
- SEE COVER SHEET FOR EL PASO COUNTY GEC STANDARD NOTES.
 - SEE SHEETS 74-75 FOR EROSION CONTROL DETAILS.
 - ALL SILT FENCE NOT RUNNING PARALLEL TO CONTOURS SHALL BE INSTALLED WITH J-HOOKS. SEE SHEET 75 FOR DETAIL.

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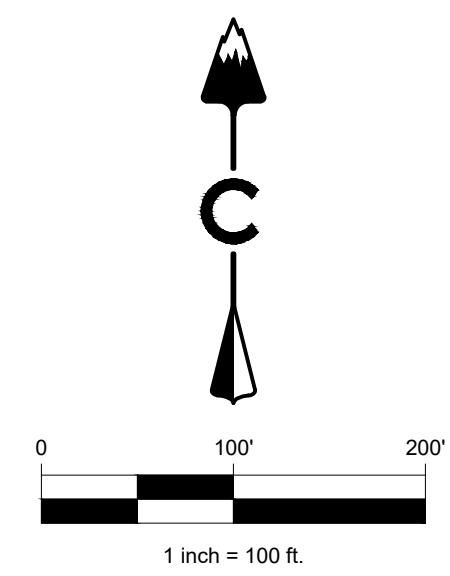
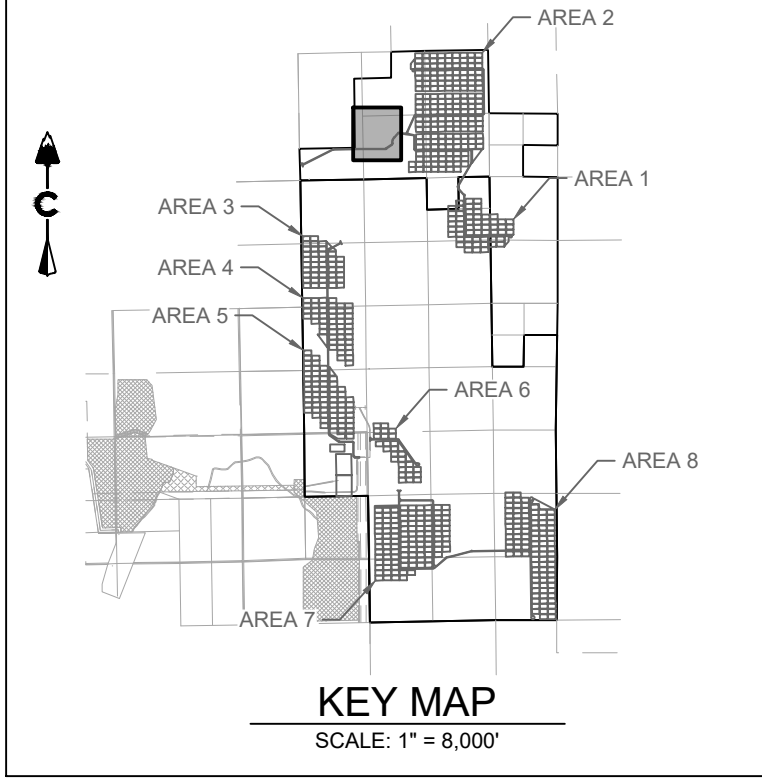
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 GRADING & EROSION CONTROL PLANS
 INITIAL (1 OF 24)

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JOB NO.
 20-194
 SHEET
 3 OF 78



LEGEND

	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	PHASE BOUNDARY
	REINFORCED CHECK DAM
	CONCRETE WASHOUT AREA
	DIVERSION DITCH
	INLET PROTECTION
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	SEDIMENT CONTROL LOG
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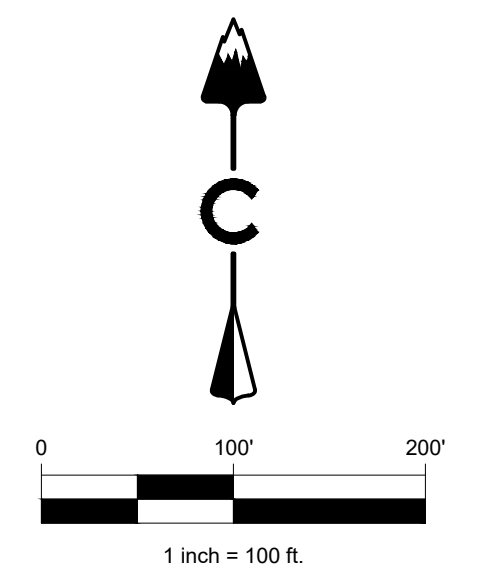
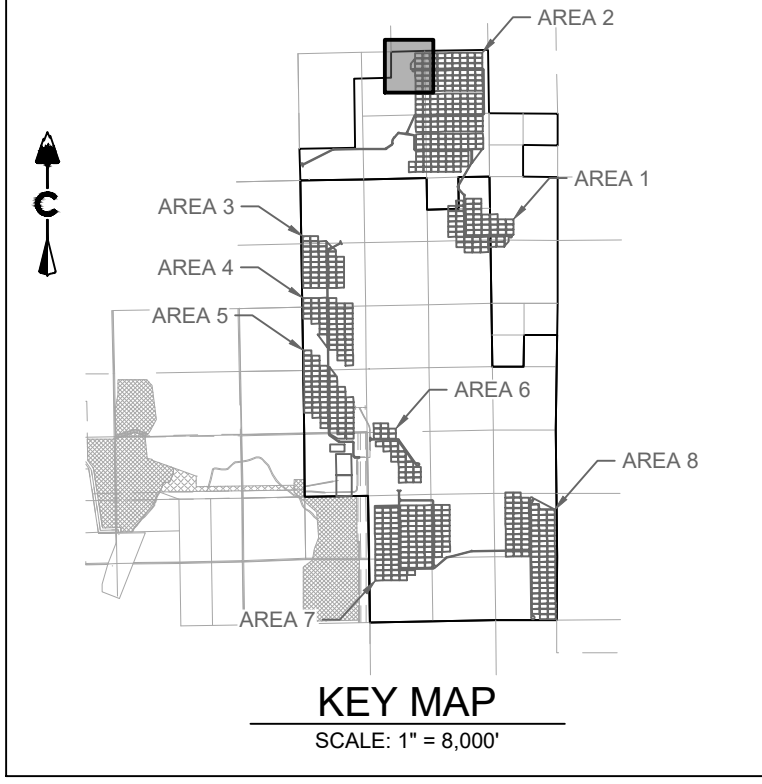
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MATCHLINE SHEET 6

MATCH LINE SHEET 7



LEGEND

— 5280	PROPOSED MAJOR CONTOUR
— 5279	PROPOSED MINOR CONTOUR
- - - 5280	EXISTING MAJOR CONTOUR
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GRADING & EROSION CONTROL PLANS

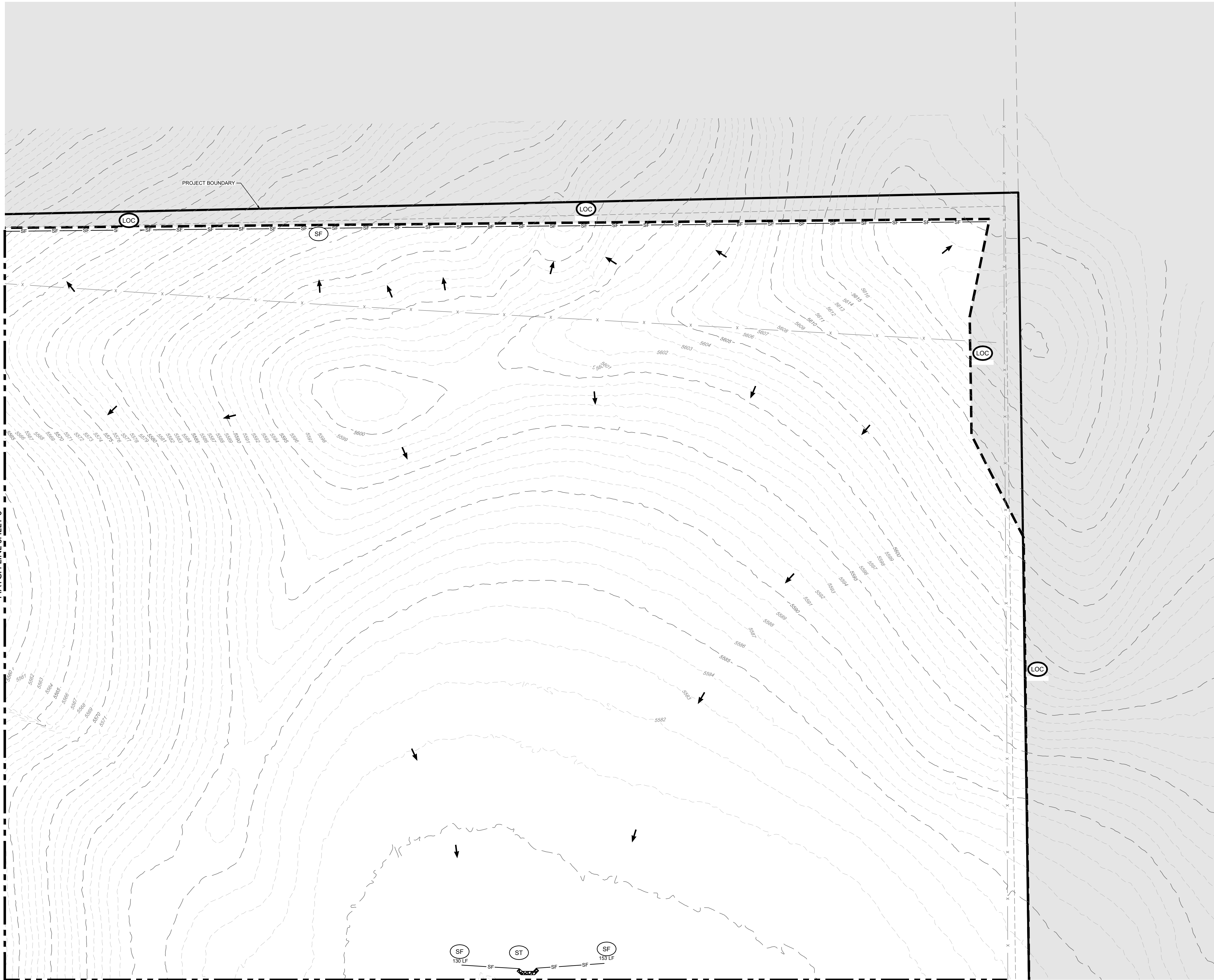
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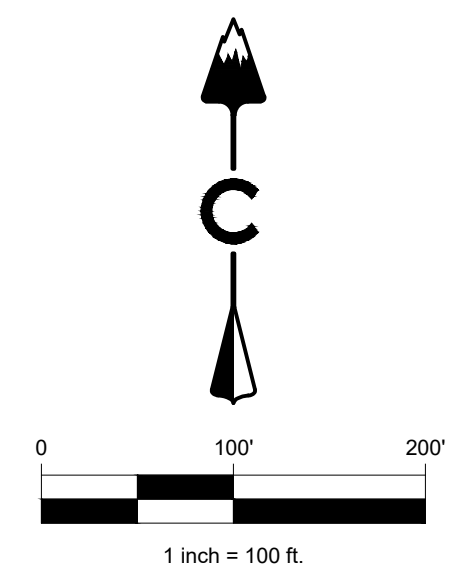
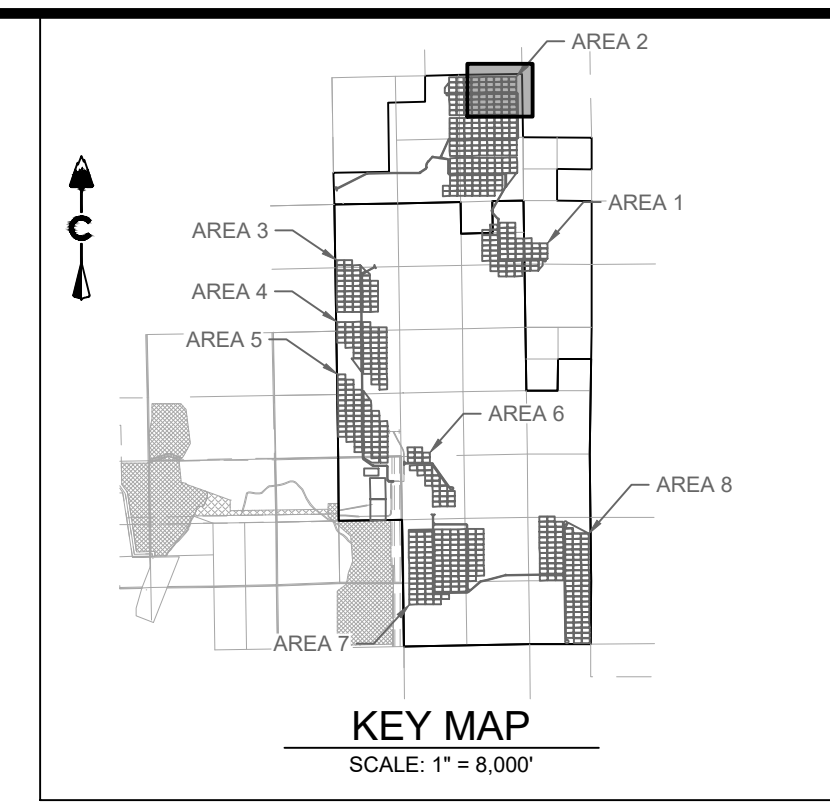
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MATCH LINE SHEET 6



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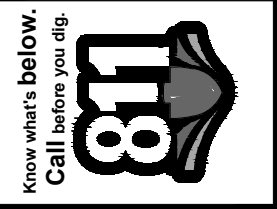


LEGEND

	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
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	EXISTING MINOR CONTOUR
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	REINFORCED CHECK DAM
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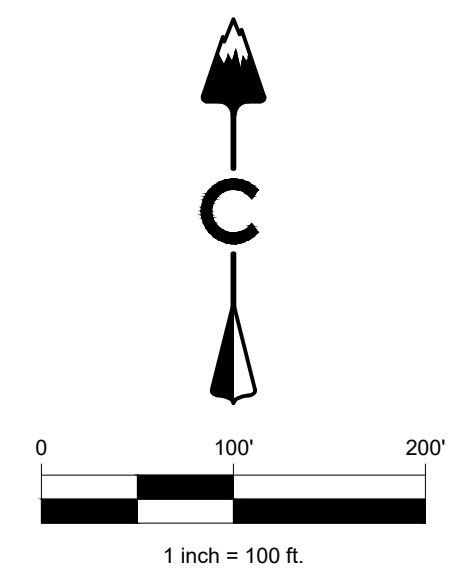
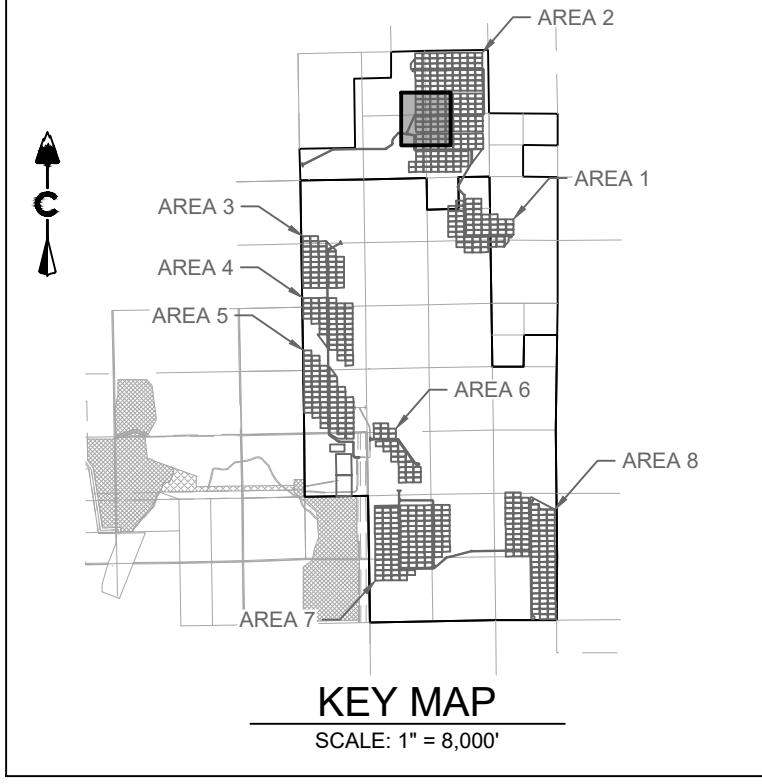
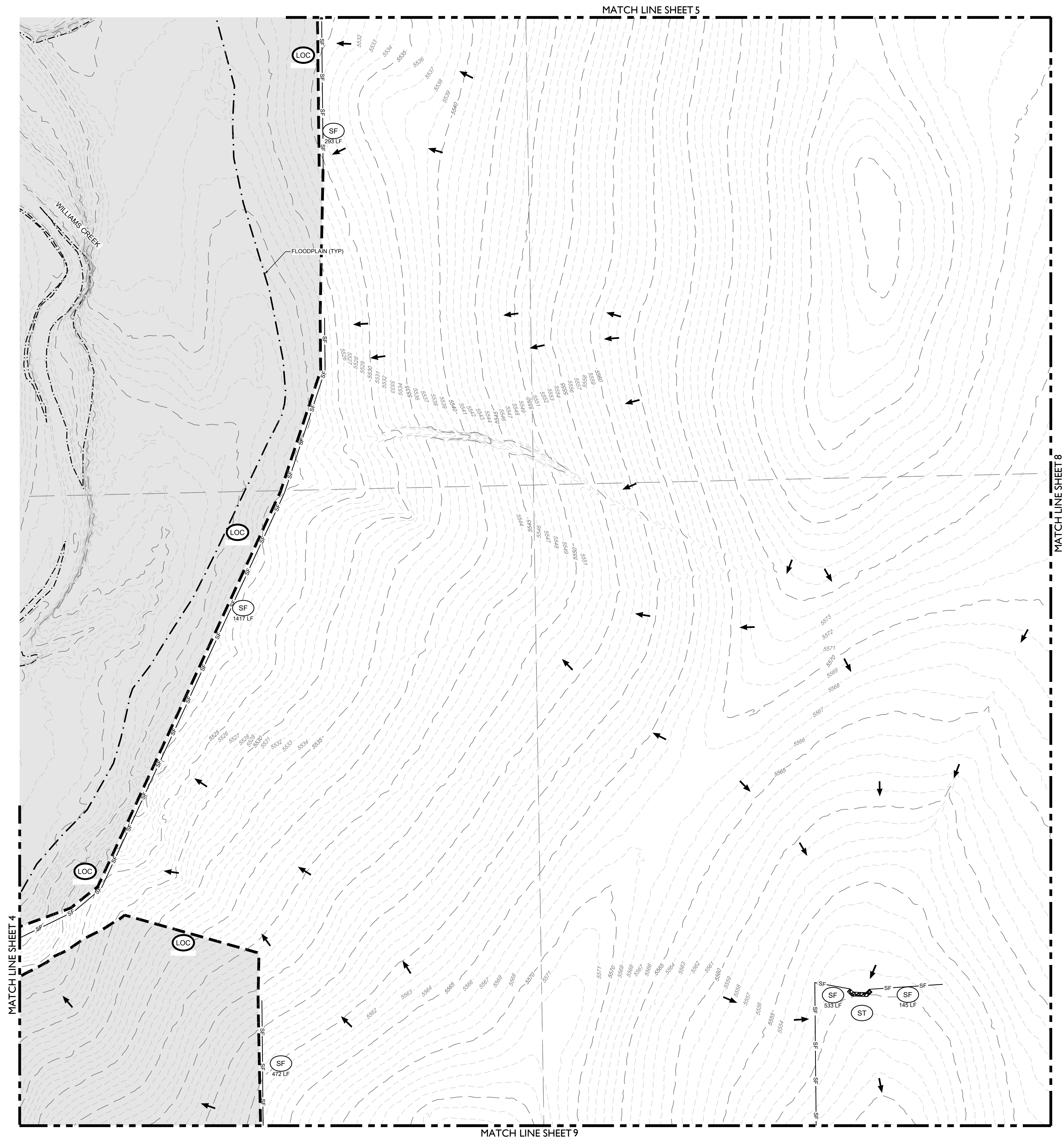
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LEGEND

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	5280	EXISTING MAJOR CONTOUR
	5279	EXISTING MINOR CONTOUR
		PHASE BOUNDARY
	(RCD)	REINFORCED CHECK DAM
	(CWA)	CONCRETE WASHOUT AREA
	(DD)	DIVERSION DITCH
	(IP)	INLET PROTECTION
	(RC)	ROCK SOCK
	(SB)	SEDIMENT BASIN
	(SCL)	SEDIMENT CONTROL LOG
	(SM)	SEEDING
	(SF)	SILT FENCE
	(SSA)	STABILIZED STAGING AREA
	(ST)	SEDIMENT TRAP
	(TSC)	TEMPORARY STREAM CROSSING
	(VTC)	VEHICLE TRACKING CONTROL

NOTES:

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PIKE SOLAR
EL PASO COUNTY, COLORADO
GRADING & EROSION CONTROL PLANS
INITIAL (5 OF 24)

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CHECKED BY:	DB
JOB NO.	20-194
SHEET	7 OF 78

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04/07/21	DB
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REVISION DESCRIPTION

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3	2ND SUBMITTAL

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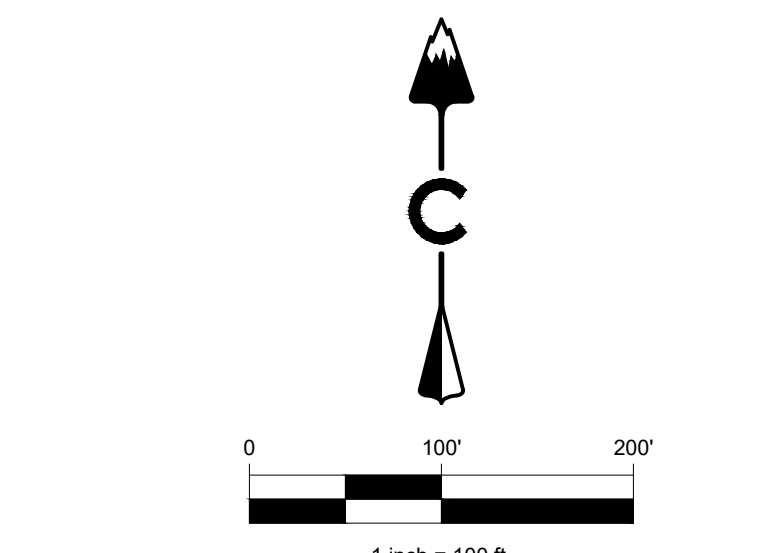
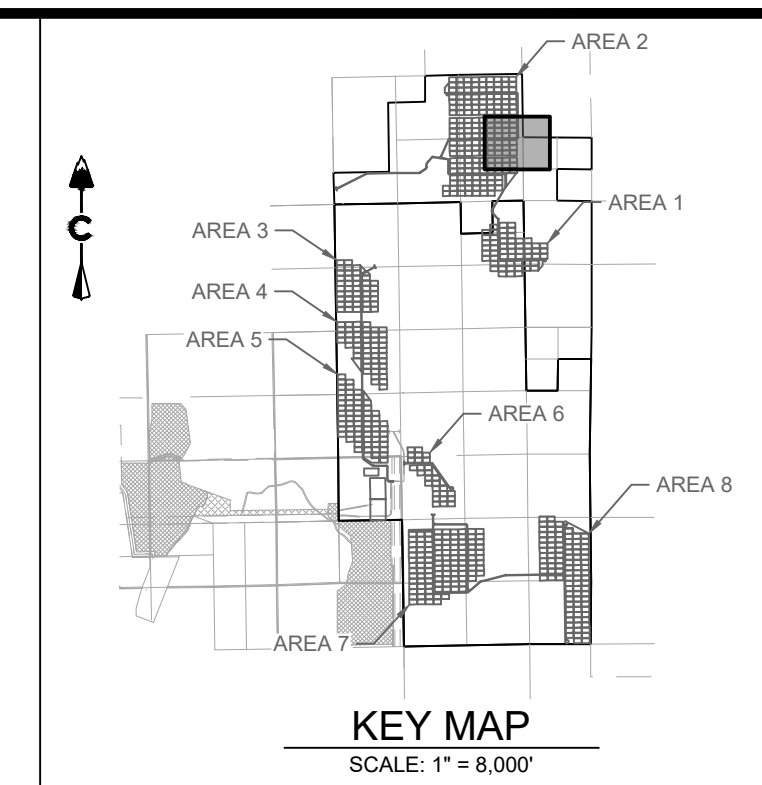
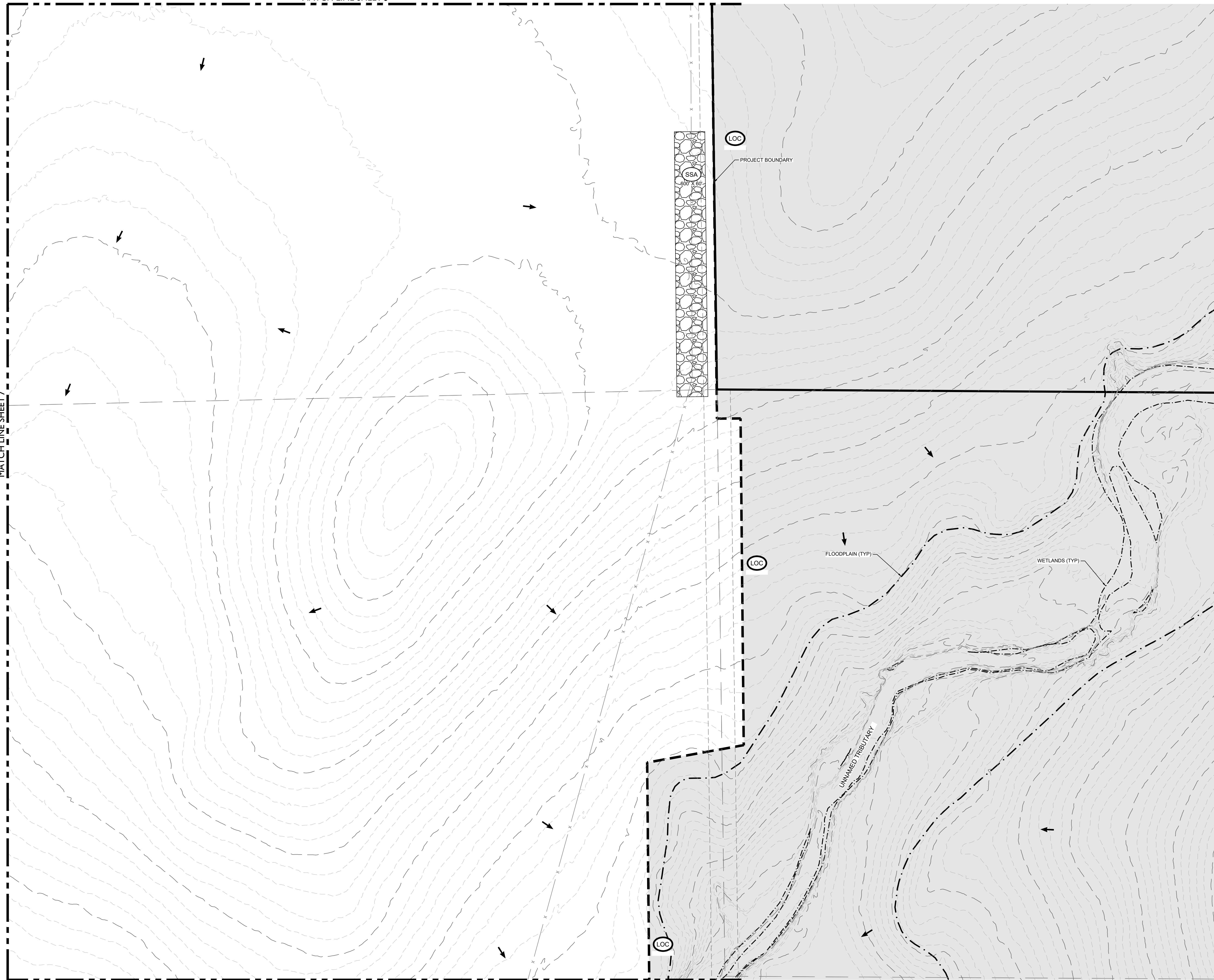
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10/16/2021 10:29 AM X:\20-194 PIKE SOLAR\CIVIL\CAD\PLANS\FILING\10ES\GESC PLAN 1 - INITIAL.DWG

MATCH LINE SHEET 6

MATCH LINE SHEET 7

MATCH LINE SHEET 10



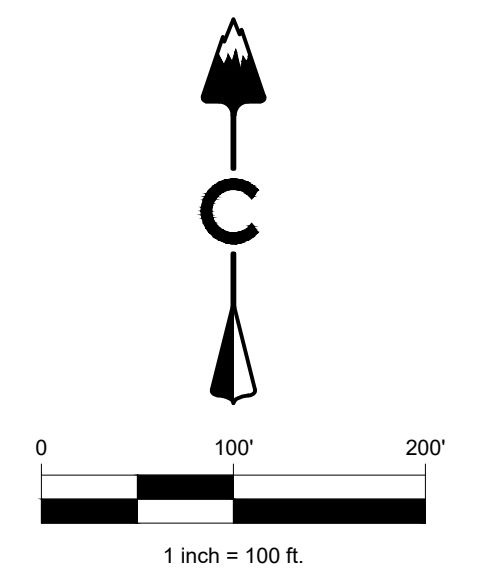
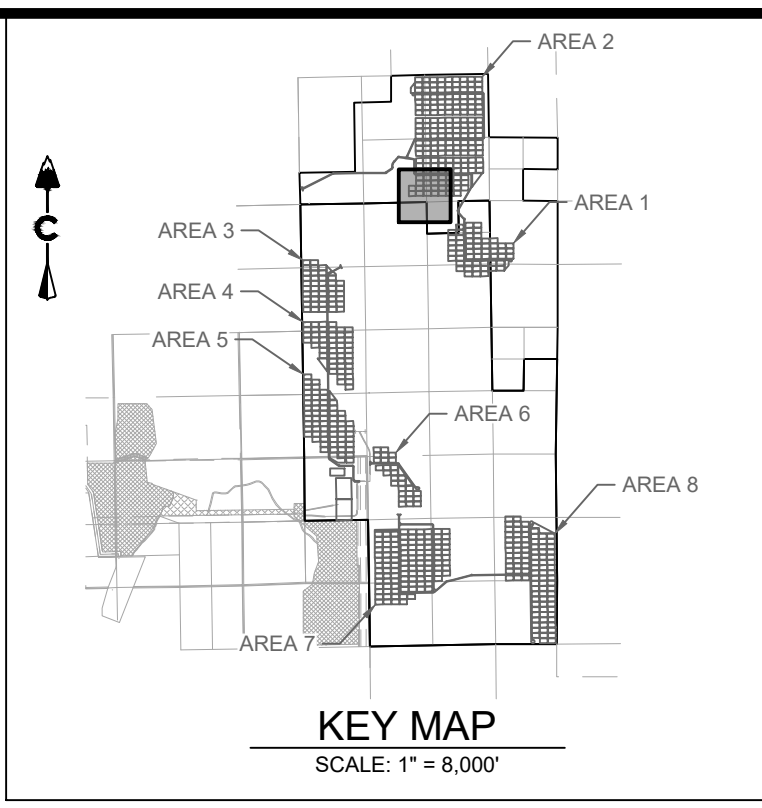
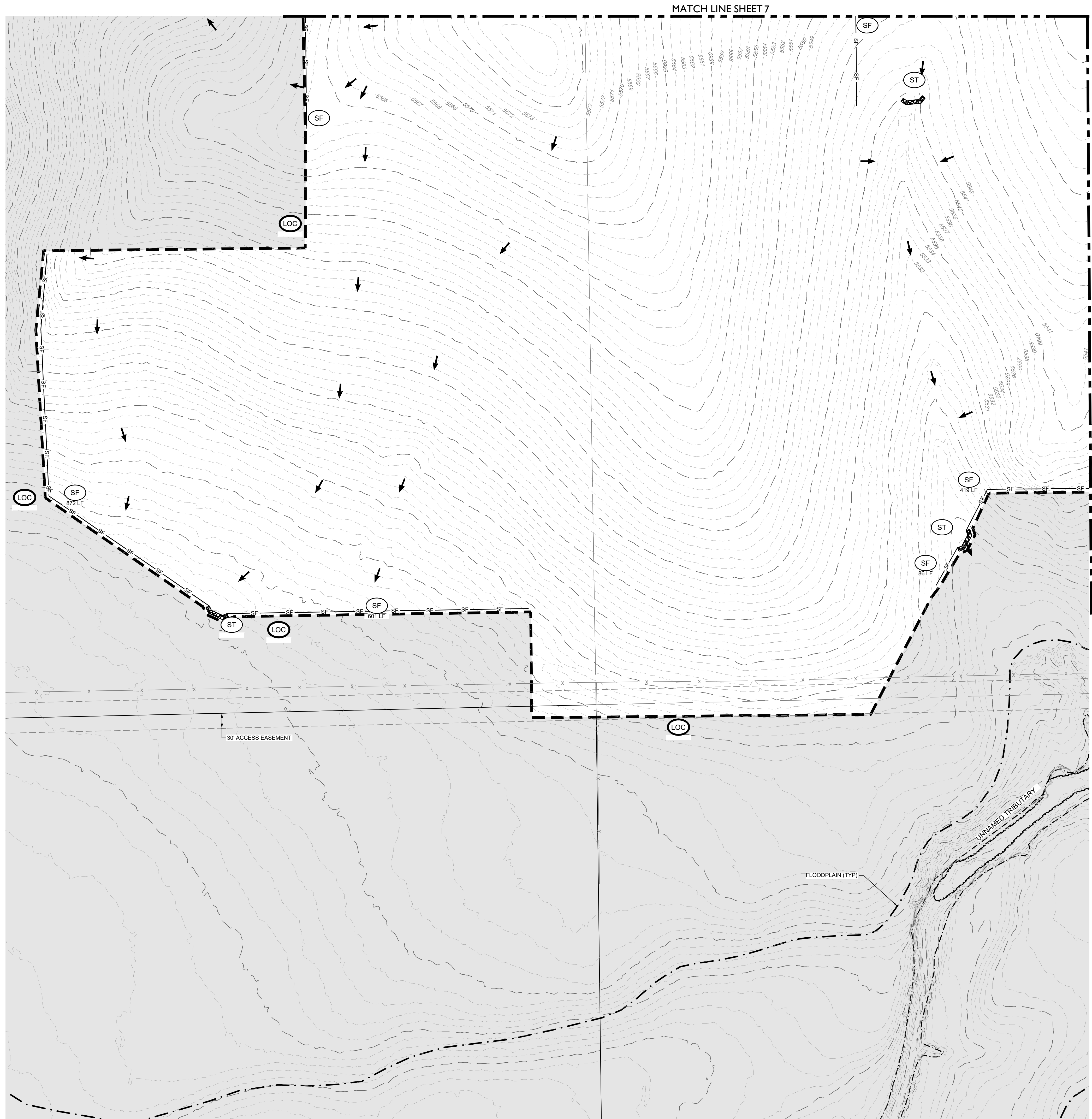
LEGEND

5280	PROPOSED MAJOR CONTOUR
5279	PROPOSED MINOR CONTOUR
5280	EXISTING MAJOR CONTOUR
5279	EXISTING MINOR CONTOUR
- - - -	PHASE BOUNDARY
[Symbol]	RCD REINFORCED CHECK DAM
[Symbol]	CWA CONCRETE WASHOUT AREA
[Symbol]	DD DIVERSION DITCH
[Symbol]	IP INLET PROTECTION
[Symbol]	RC ROCK SOCK
[Symbol]	SB SEDIMENT BASIN
[Symbol]	SCL SEDIMENT CONTROL LOG
[Symbol]	SM SEEDING
[Symbol]	SF SILT FENCE
[Symbol]	SSA STABILIZED STAGING AREA
[Symbol]	ST SEDIMENT TRAP
[Symbol]	TSC TEMPORARY STREAM CROSSING
[Symbol]	VTC VEHICLE TRACKING CONTROL

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EL PASO COUNTY, COLORADO
GRADING & EROSION CONTROL PLANS
 INITIAL (6 OF 24)
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 20-194
 SHEET
 8 OF 78



LEGEND

	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	PHASE BOUNDARY
	REINFORCED CHECK DAM
	CONCRETE WASHOUT AREA
	DIVERSION DITCH
	INLET PROTECTION
	ROCK SOCK
	SEDIMENT BASIN
	SEDIMENT CONTROL LOG
	SEEDING
	SILT FENCE
	STABILIZED STAGING AREA
	SEDIMENT TRAP
	TEMPORARY STREAM CROSSING
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 GRADING & EROSION CONTROL PLANS
 INITIAL (7 OF 24)

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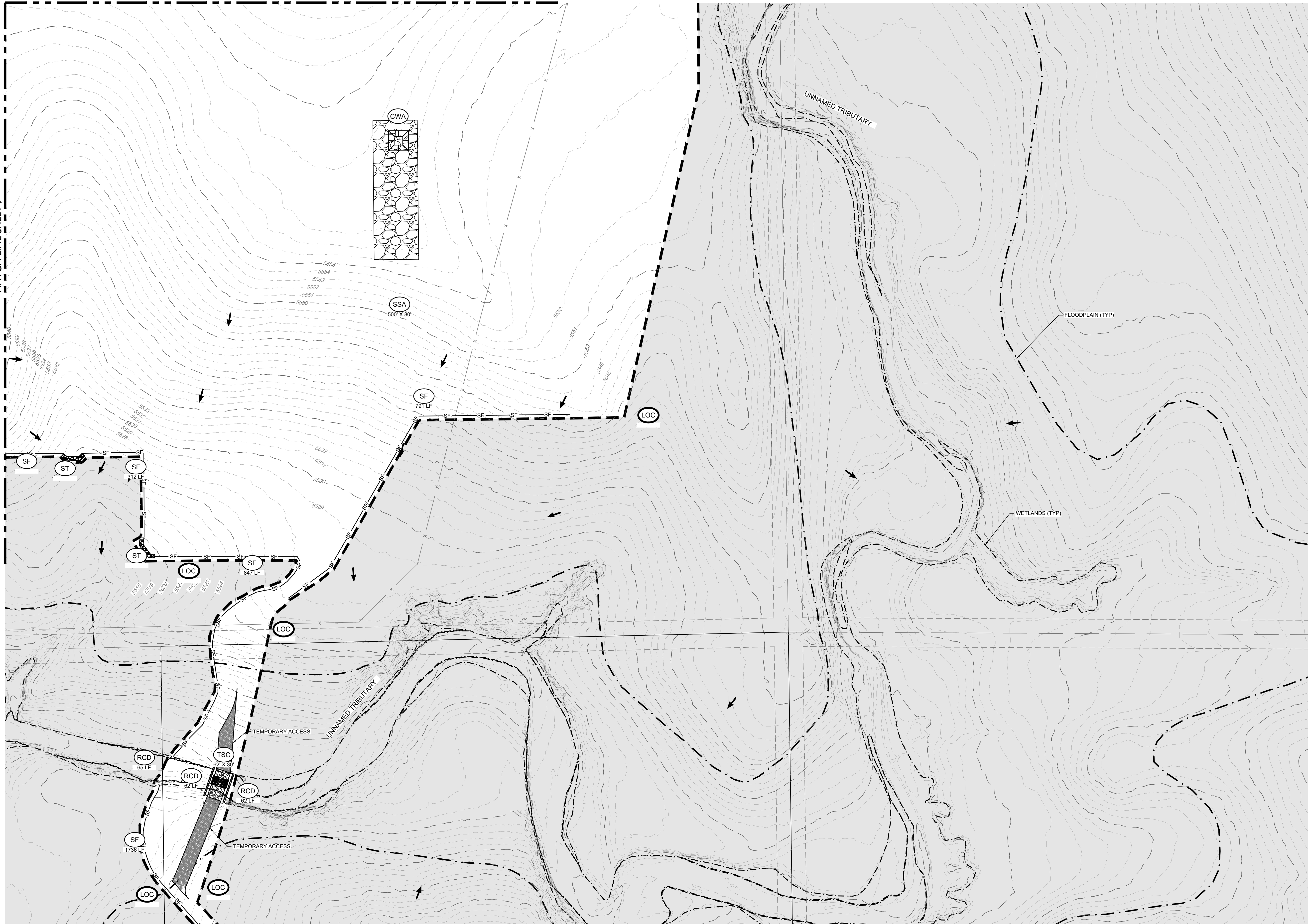
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9 OF 78

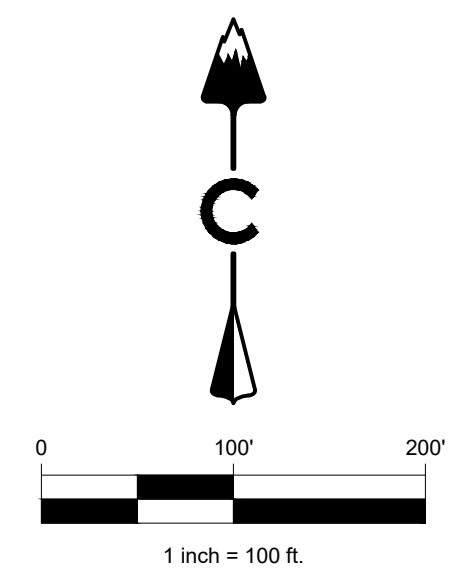
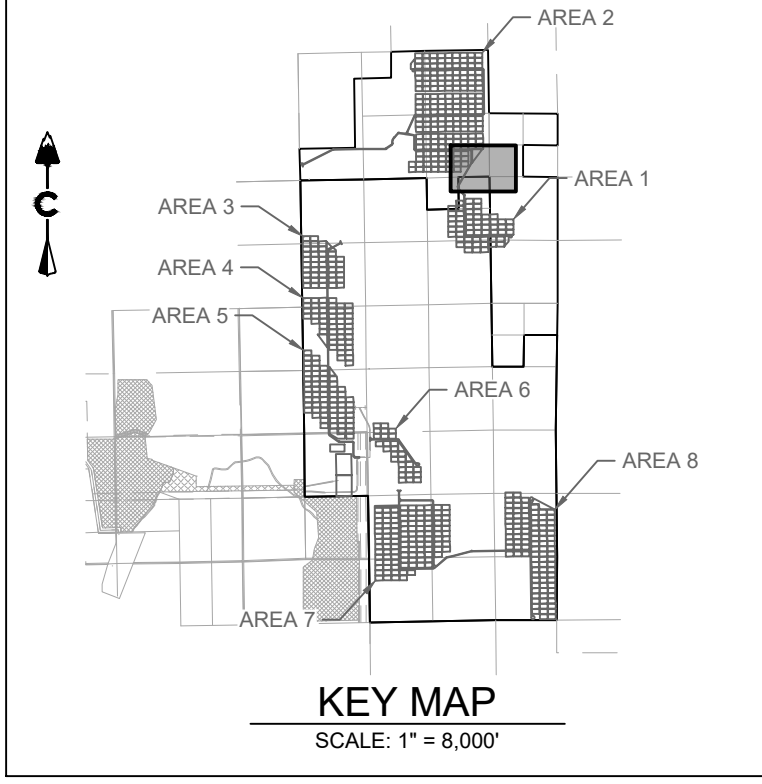
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MATCH LINE SHEET 9

MATCH LINE SHEET 8



MATCH LINE SHEET 11



LEGEND

	5280	PROPOSED MAJOR CONTOUR
	5279	PROPOSED MINOR CONTOUR
	5280	EXISTING MAJOR CONTOUR
	5279	EXISTING MINOR CONTOUR
		PHASE BOUNDARY
	RCD	REINFORCED CHECK DAM
	CWA	CONCRETE WASHOUT AREA
	DD	DIVERSION DITCH
	IP	INLET PROTECTION
	RC	ROCK SOCK
	SB	SEDIMENT BASIN
	SCL	SEDIMENT CONTROL LOG
	SM	SEEDING
	SF	SILT FENCE
	SSA	STABILIZED STAGING AREA
	ST	SEDIMENT TRAP
	TSC	TEMPORARY STREAM CROSSING
	VTC	VEHICLE TRACKING CONTROL

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GRADING & EROSION CONTROL PLANS
 INITIAL (8 OF 24)

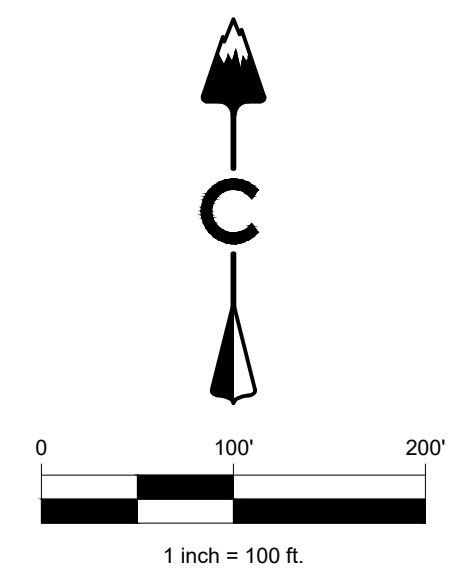
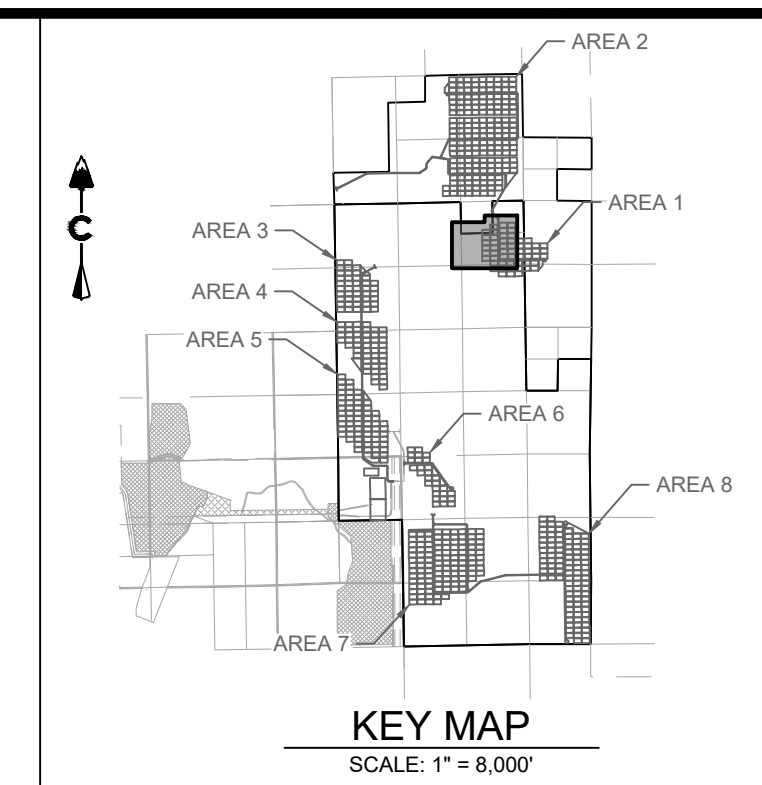
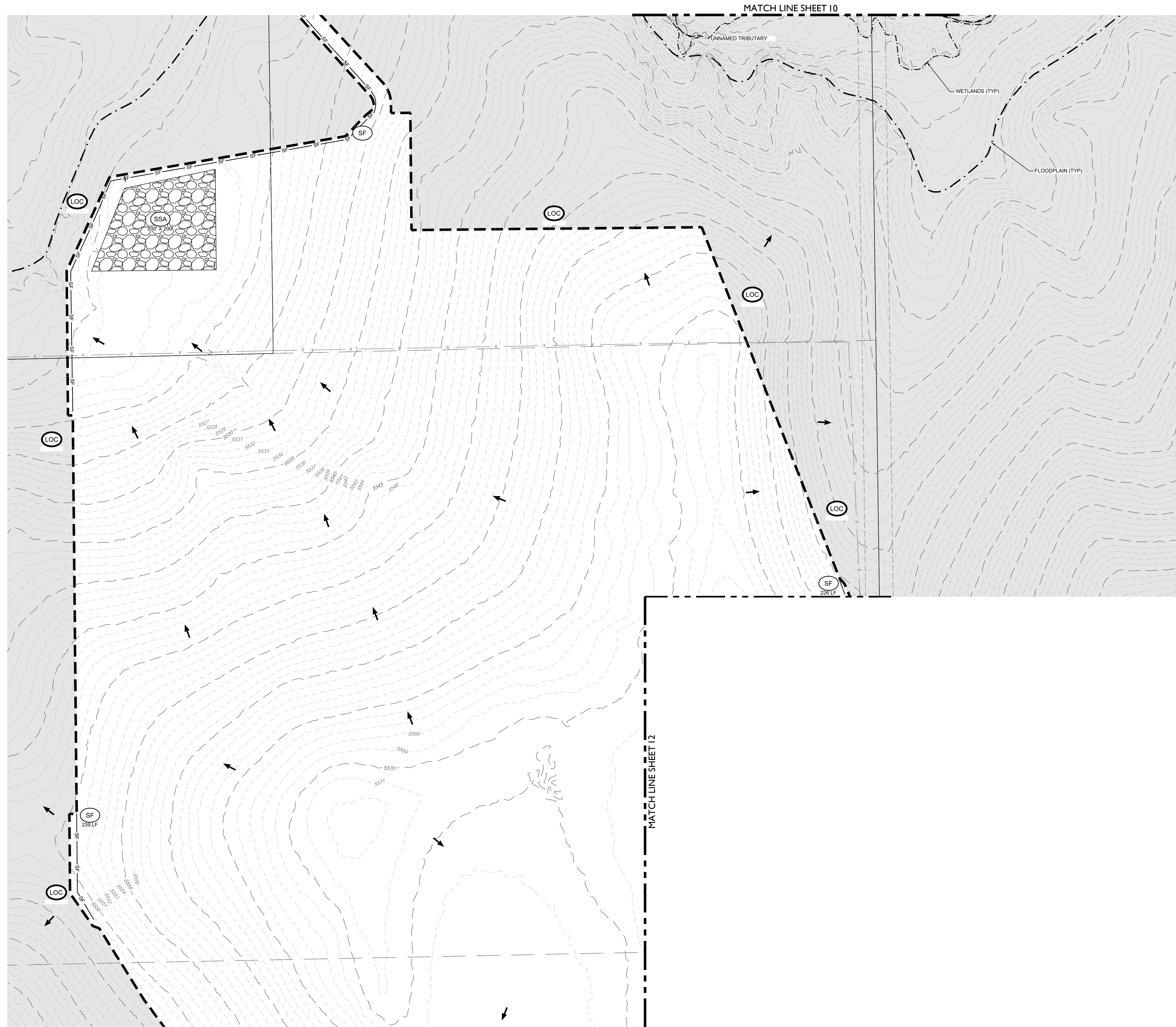
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LEGEND

— 5280	PROPOSED MAJOR CONTOUR
— 5279	PROPOSED MINOR CONTOUR
— 5280	EXISTING MAJOR CONTOUR
— 5279	EXISTING MINOR CONTOUR
- - - - -	PHASE BOUNDARY
[Symbol]	(RCD) REINFORCED CHECK DAM
[Symbol]	(CWA) CONCRETE WASHOUT AREA
[Symbol]	(DD) DIVERSION DITCH
[Symbol]	(IP) INLET PROTECTION
[Symbol]	(RC) ROCK SOCK
[Symbol]	(SB) SEDIMENT BASIN
[Symbol]	(SCL) SEDIMENT CONTROL LOG
[Symbol]	(SM) SEEDING
[Symbol]	(SF) SILT FENCE
[Symbol]	(SSA) STABILIZED STAGING AREA
[Symbol]	(ST) SEDIMENT TRAP
[Symbol]	(TSC) TEMPORARY STREAM CROSSING
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EL PASO COUNTY, COLORADO

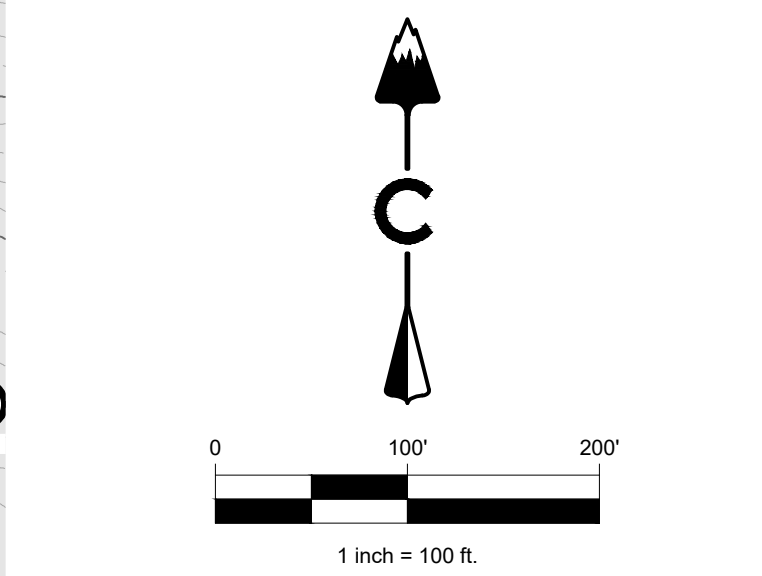
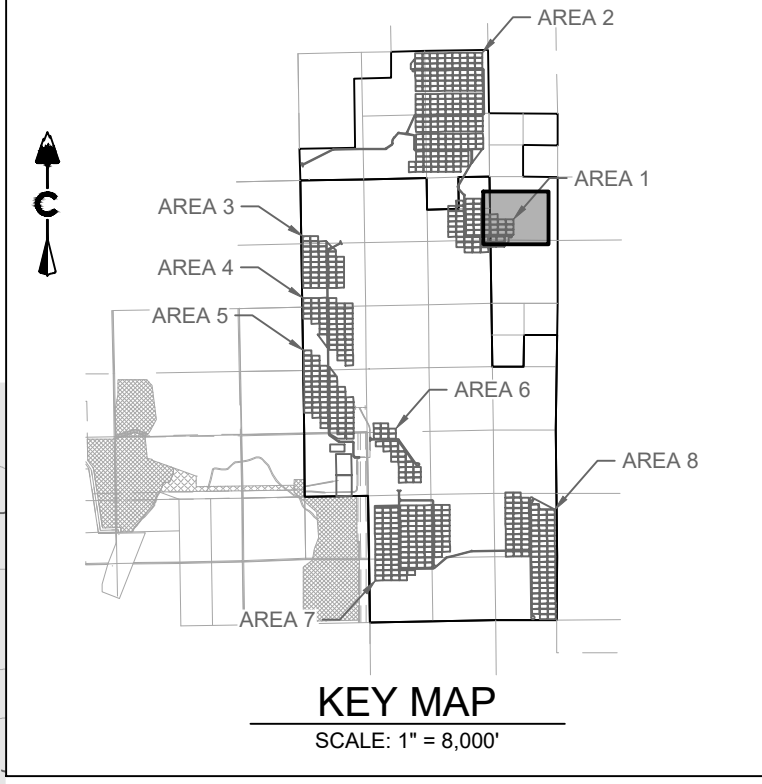
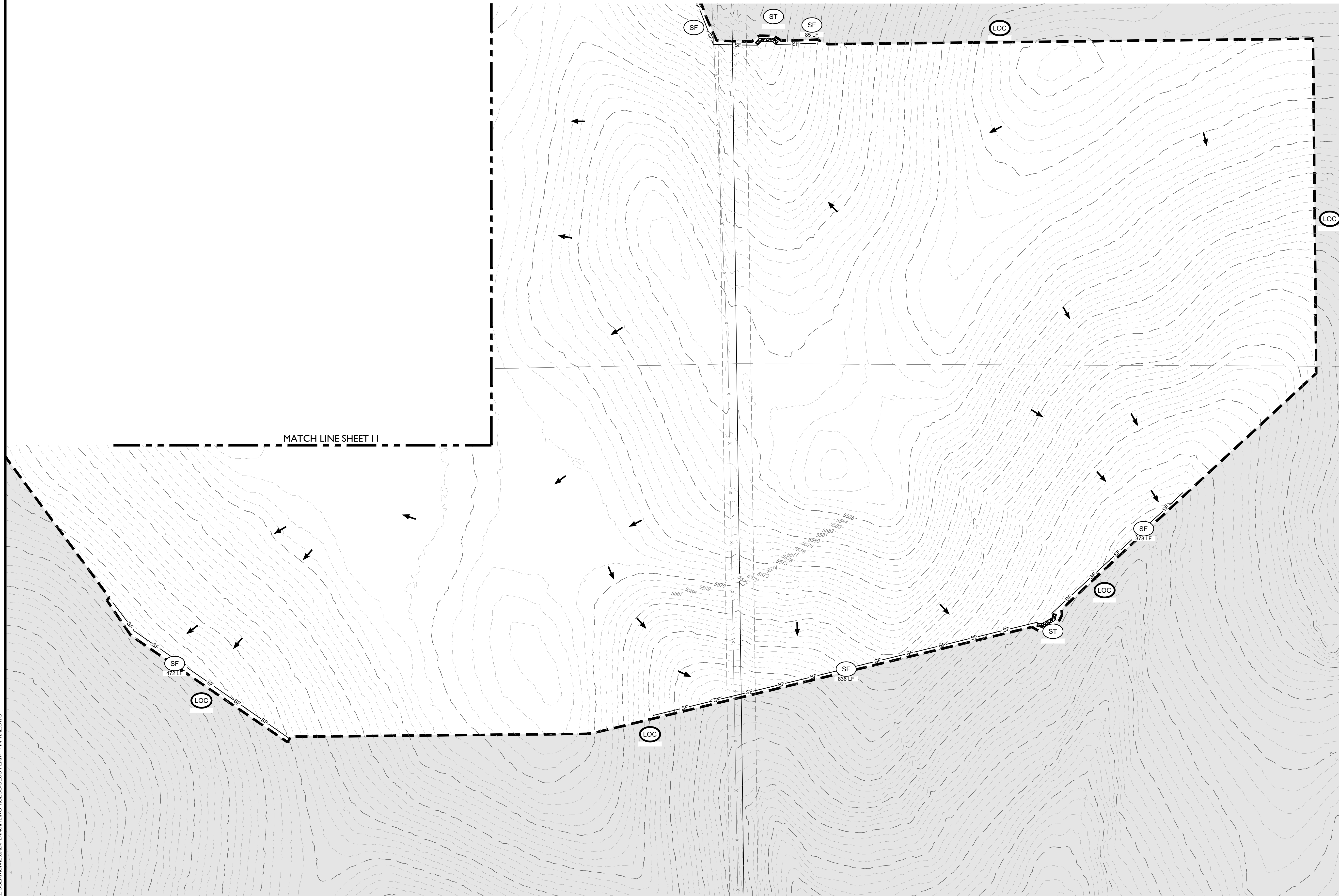
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INITIAL (9 OF 24)

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LEGEND

5280	PROPOSED MAJOR CONTOUR
5279	PROPOSED MINOR CONTOUR
5280	EXISTING MAJOR CONTOUR
5279	EXISTING MINOR CONTOUR
- - - - -	PHASE BOUNDARY
	REINFORCED CHECK DAM
	CONCRETE WASHOUT AREA
	DIVERSION DITCH
	INLET PROTECTION
	ROCK SOCK
	SEDIMENT BASIN
	SEDIMENT CONTROL LOG
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	SILT FENCE
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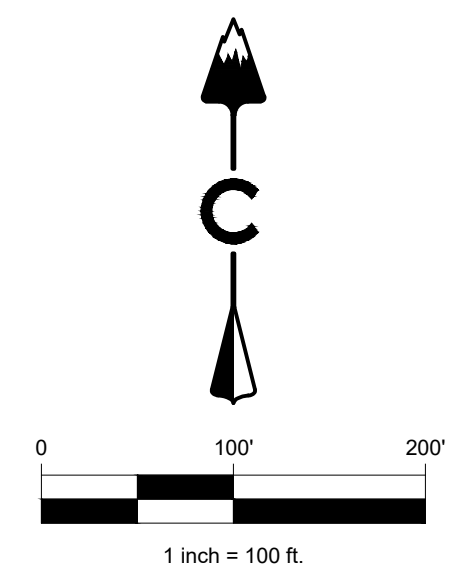
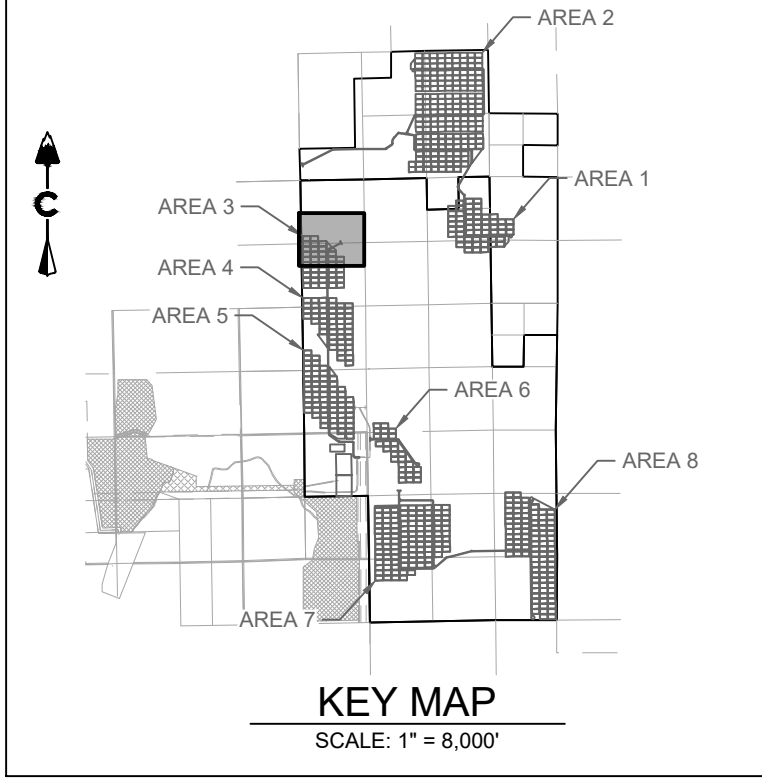
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 EL PASO COUNTY, COLORADO
 GRADING & EROSION CONTROL PLANS
 INITIAL (10 OF 24)

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LEGEND

	5280	PROPOSED MAJOR CONTOUR
	5279	PROPOSED MINOR CONTOUR
	5280	EXISTING MAJOR CONTOUR
	5279	EXISTING MINOR CONTOUR
		PHASE BOUNDARY
	RCD	REINFORCED CHECK DAM
	CWA	CONCRETE WASHOUT AREA
	DD	DIVERSION DITCH
	IP	INLET PROTECTION
	RC	ROCK SOCK
	SB	SEDIMENT BASIN
	SCL	SEDIMENT CONTROL LOG
	SM	SEEDING
	SF	SILT FENCE
	SSA	STABILIZED STAGING AREA
	ST	SEDIMENT TRAP
	TSC	TEMPORARY STREAM CROSSING
	VTC	VEHICLE TRACKING CONTROL

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 EL PASO COUNTY, COLORADO
 GRADING & EROSION CONTROL PLANS
 INITIAL (11 OF 24)

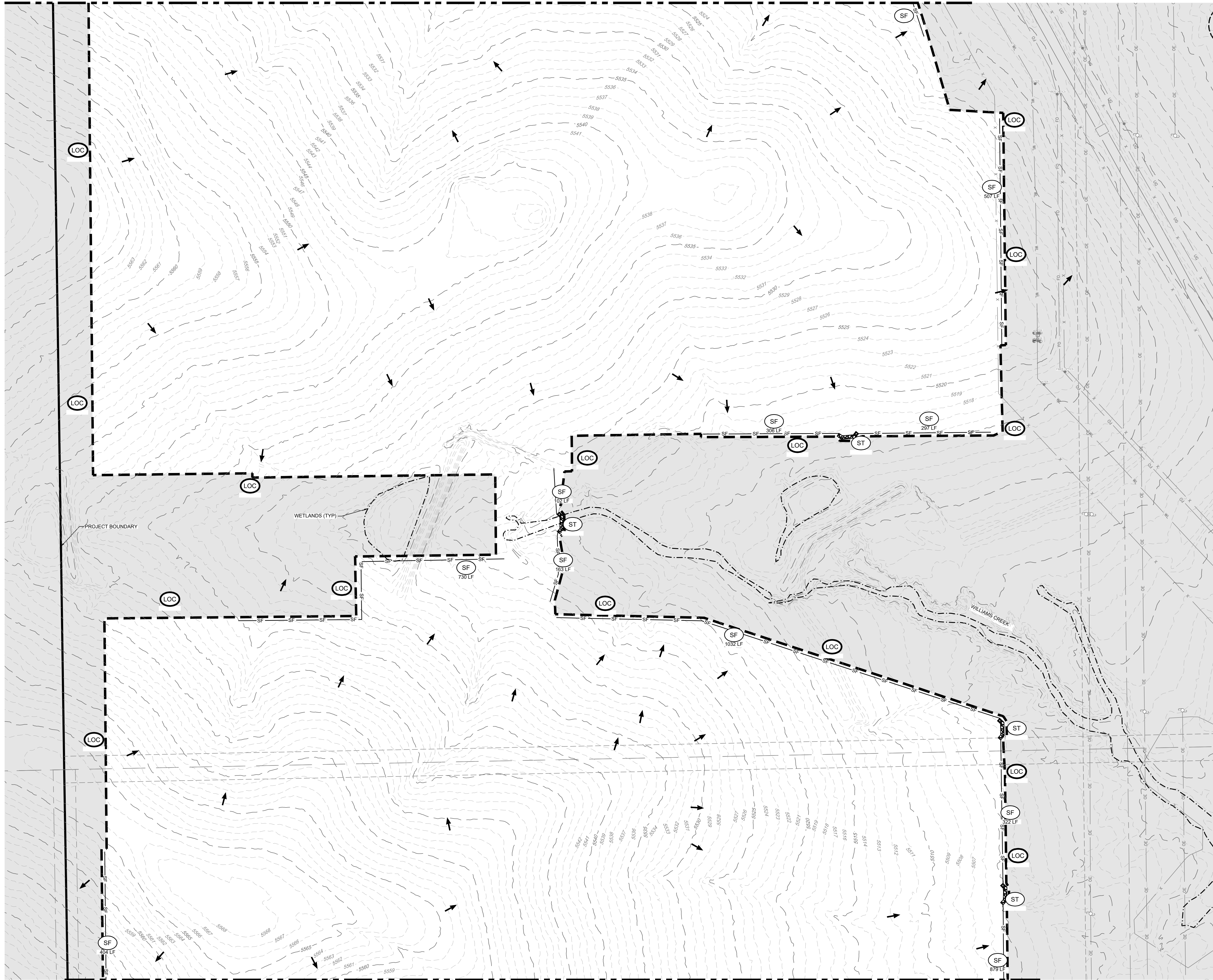
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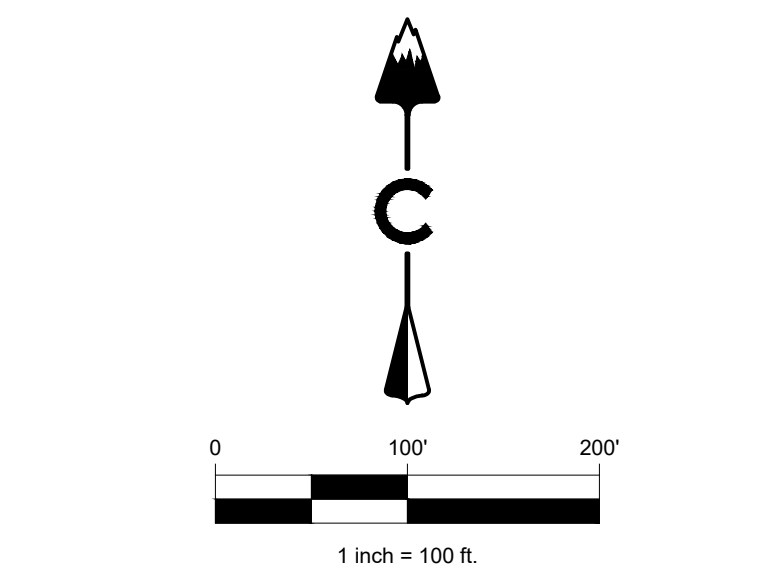
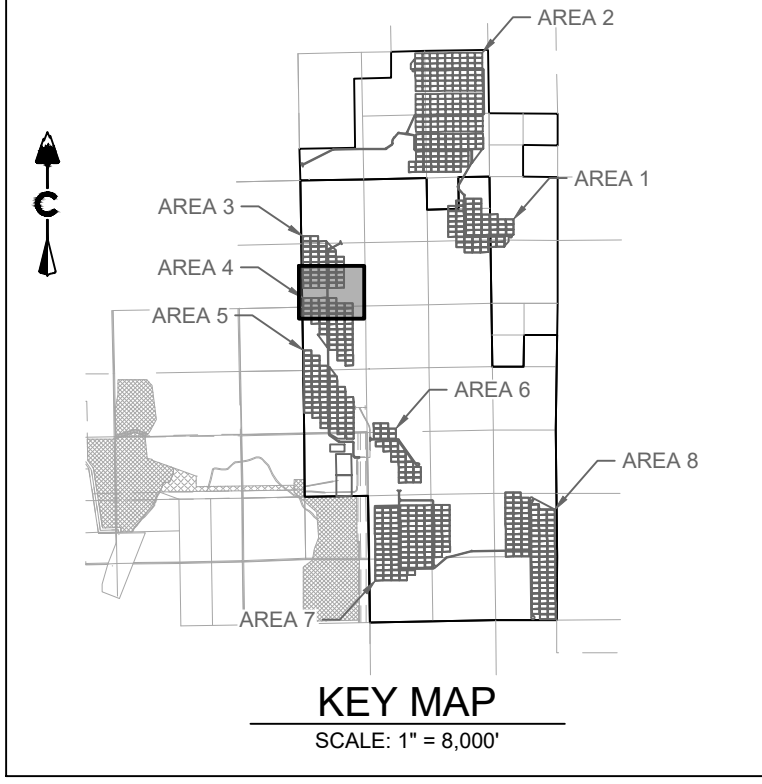
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MATCH LINE SHEET I3



MATCH LINE SHEET I5



LEGEND

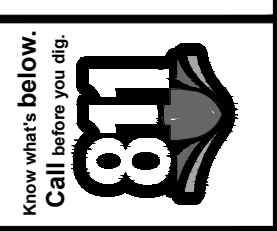
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	5279	PROPOSED MINOR CONTOUR
	5280	EXISTING MAJOR CONTOUR
	5279	EXISTING MINOR CONTOUR
		PHASE BOUNDARY
	(RCD)	REINFORCED CHECK DAM
	(CWA)	CONCRETE WASHOUT AREA
	(DD)	DIVERSION DITCH
	(IP)	INLET PROTECTION
	(RC)	ROCK SOCK
	(SB)	SEDIMENT BASIN
	(SCL)	SEDIMENT CONTROL LOG
	(SM)	SEEDING
	(SF)	SILT FENCE
	(SSA)	STABILIZED STAGING AREA
	(ST)	SEDIMENT TRAP
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 INITIAL (12 OF 24)

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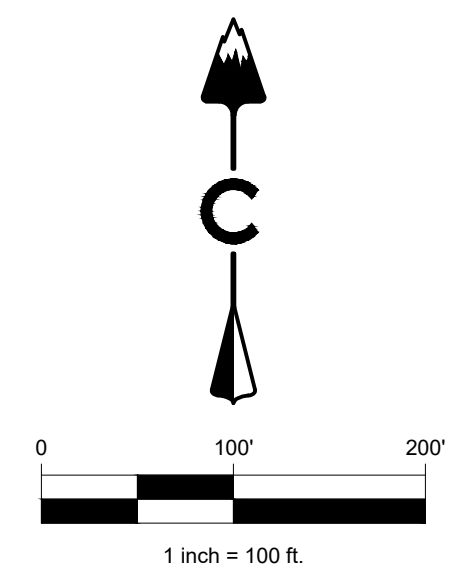
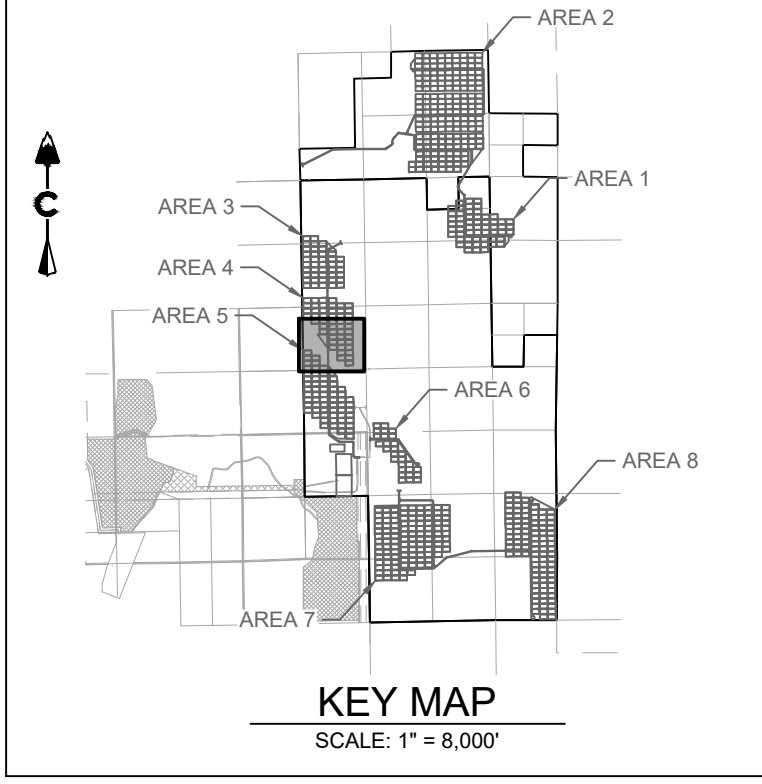
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 20-194

SHEET
 14 OF 78

MATCH LINE SHEET 14



MATCH LINE SHEET 16



LEGEND

5280	PROPOSED MAJOR CONTOUR
5279	PROPOSED MINOR CONTOUR
5280	EXISTING MAJOR CONTOUR
5279	EXISTING MINOR CONTOUR
- - - -	PHASE BOUNDARY
[Symbol]	RCI REINFORCED CHECK DAM
[Symbol]	CWA CONCRETE WASHOUT AREA
[Symbol]	DD DIVERSION DITCH
[Symbol]	IP INLET PROTECTION
[Symbol]	RS ROCK SOCK
[Symbol]	SB SEDIMENT BASIN
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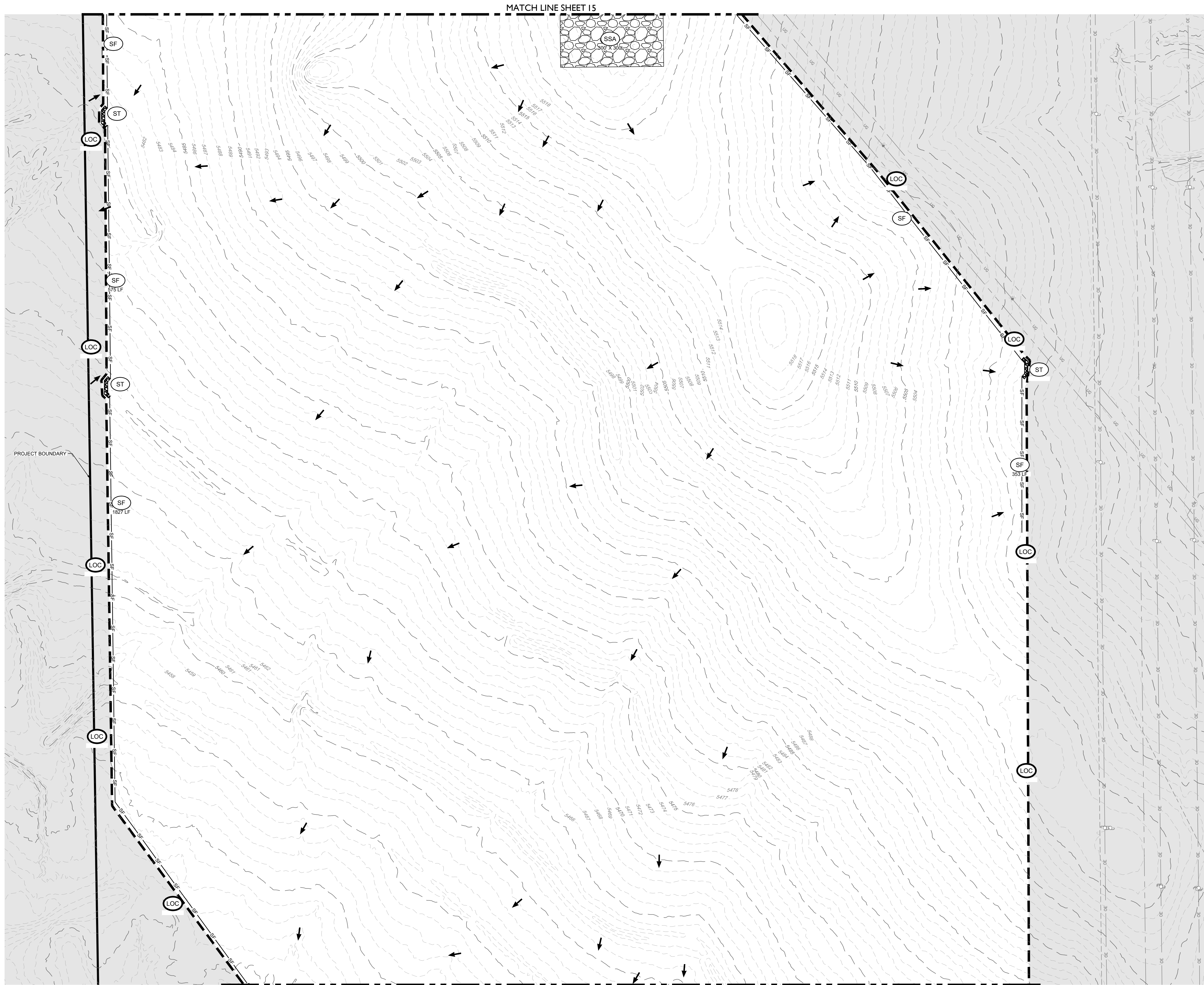
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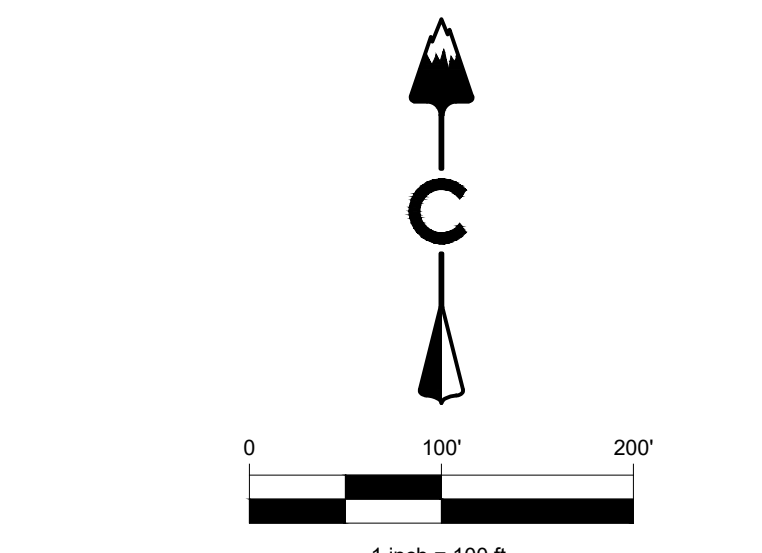
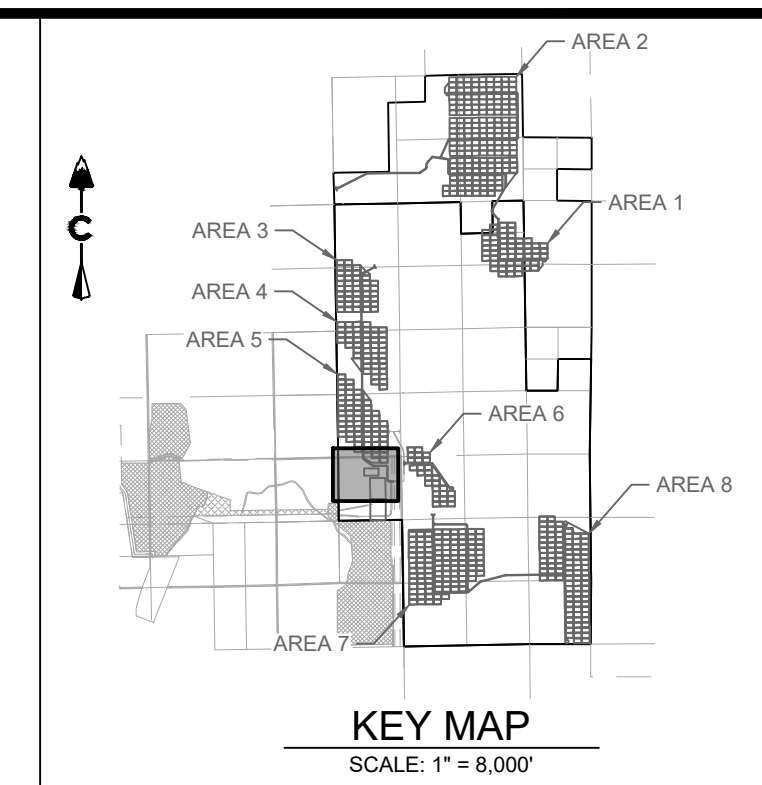
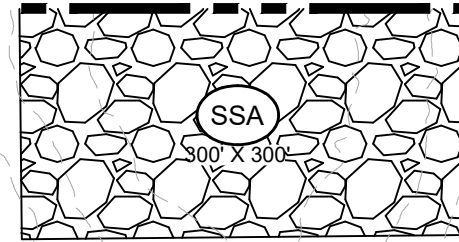
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MATCH LINE SHEET 15

MATCH LINE SHEET 17



LEGEND

	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	PHASE BOUNDARY
	REINFORCED CHECK DAM
	CONCRETE WASHOUT AREA
	DIVERSION DITCH
	INLET PROTECTION
	ROCK SOCK
	SEDIMENT BASIN
	SEDIMENT CONTROL LOG
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POD 5 / BESS / SUBSTATION EARTHWORK
 CUT: 6,778 CY
 FILL: 6,705 CY
 TOTAL: 73 CY (CUT)

PIKE SOLAR
 EL PASO COUNTY, COLORADO
 GRADING & EROSION CONTROL PLANS
 INITIAL (14 OF 24)

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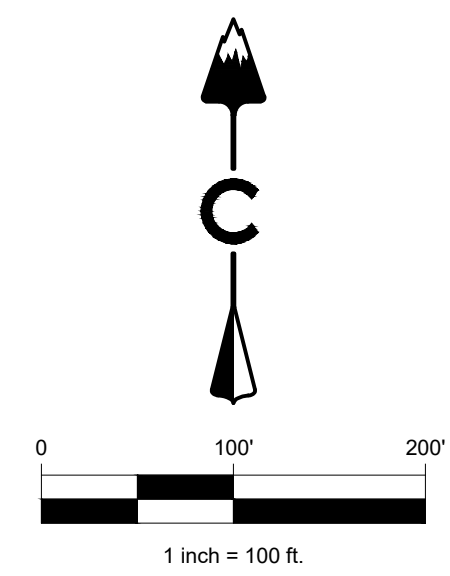
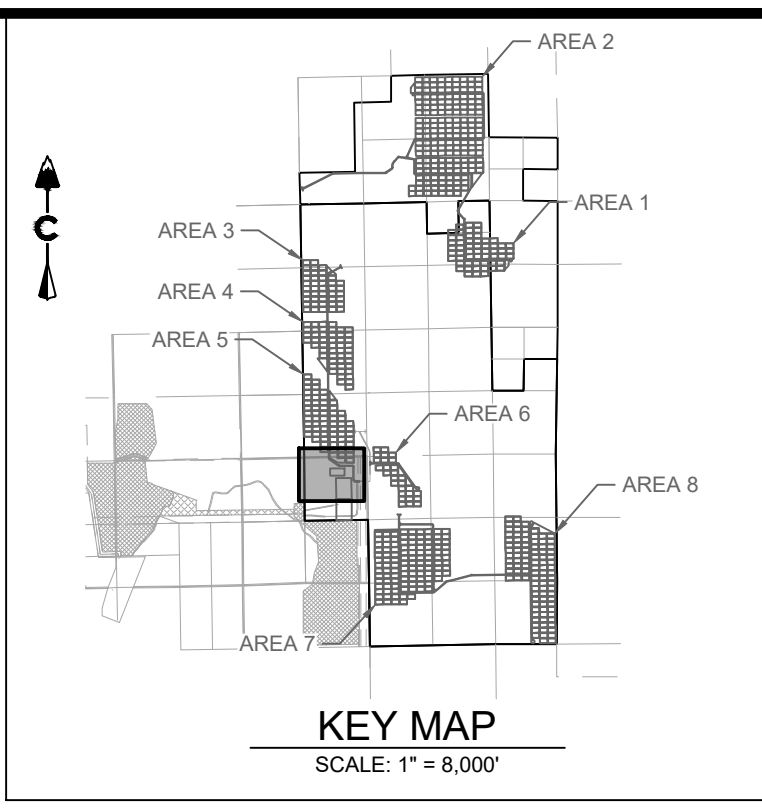
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SB DESIGN
 DISTURBED AREA-10 ACRES
 VOLUME 1,005 CY
 CREST 10"
 HOLE DIA. 8"



LEGEND

5280	PROPOSED MAJOR CONTOUR
5279	PROPOSED MINOR CONTOUR
5280	EXISTING MAJOR CONTOUR
5279	EXISTING MINOR CONTOUR
---	PHASE BOUNDARY
[Symbol]	(RCD) REINFORCED CHECK DAM
[Symbol]	(CWA) CONCRETE WASHOUT AREA
[Symbol]	(DD) DIVERSION DITCH
[Symbol]	(IP) INLET PROTECTION
[Symbol]	(RC) ROCK SOCK
[Symbol]	(SB) SEDIMENT BASIN
[Symbol]	(SCL) SEDIMENT CONTROL LOG
[Symbol]	(SM) SEEDING
[Symbol]	(SF) SILT FENCE
[Symbol]	(SSA) STABILIZED STAGING AREA
[Symbol]	(ST) SEDIMENT TRAP
[Symbol]	(TSC) TEMPORARY STREAM CROSSING
[Symbol]	(VTC) VEHICLE TRACKING CONTROL

- NOTES:**
- SEE COVER SHEET FOR EL PASO COUNTY GEC STANDARD NOTES.
 - SEE SHEETS 74-75 FOR EROSION CONTROL DETAILS.
 - ALL SILT FENCE NOT RUNNING PARALLEL TO CONTOURS SHALL BE INSTALLED WITH J-HOOKS. SEE SHEET 75 FOR DETAIL.

PIKE SOLAR
 EL PASO COUNTY, COLORADO
 GRADING & EROSION CONTROL PLANS
 INITIAL (15 OF 24)

DESIGNED BY: **BB**
 DRAWN BY: **SD**
 CHECKED BY: **DB**

JOB NO.
 20-194

SHEET
 17 OF 78

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REVISIONS:

#	REVISION DESCRIPTION	DATE	BY
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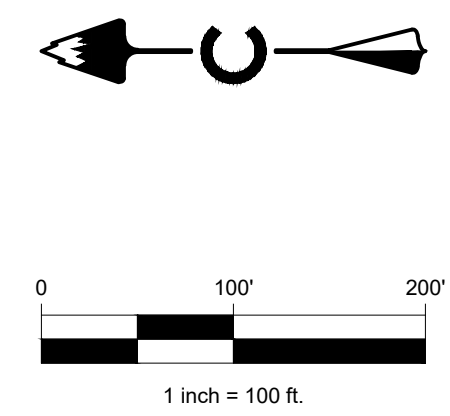
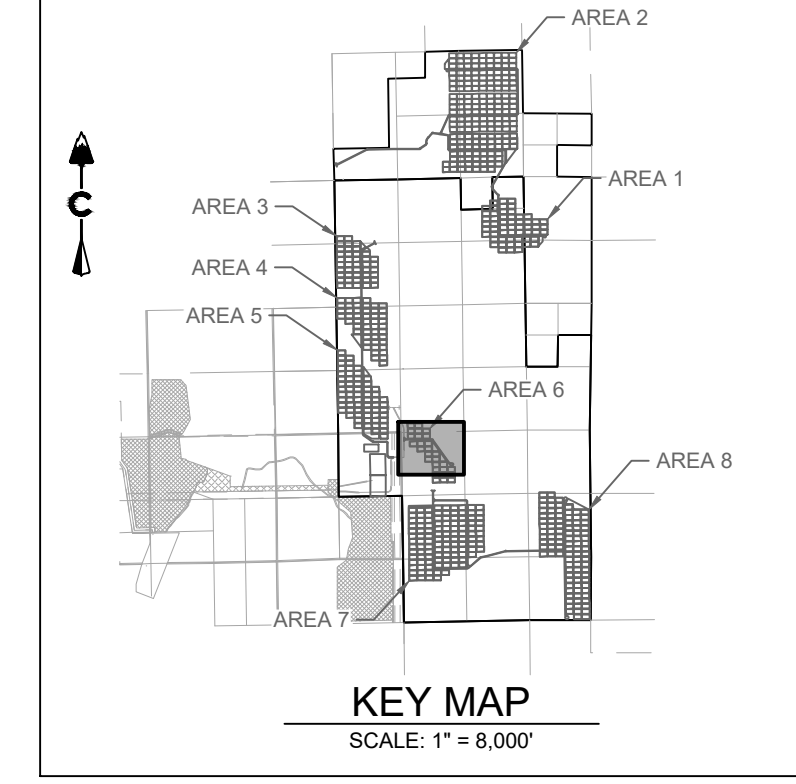
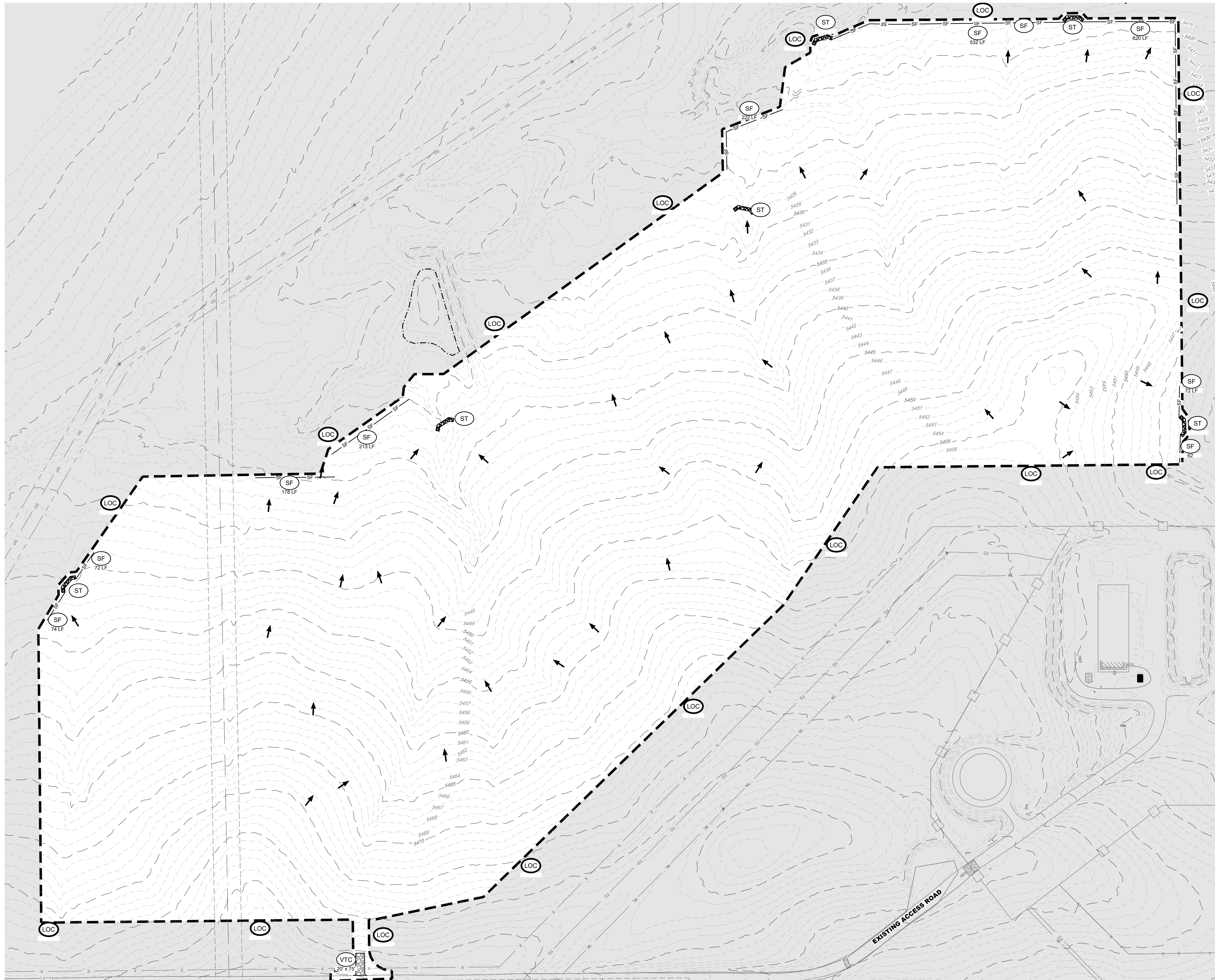
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LEGEND

	5280	PROPOSED MAJOR CONTOUR
	5279	PROPOSED MINOR CONTOUR
	5280	EXISTING MAJOR CONTOUR
	5279	EXISTING MINOR CONTOUR
		PHASE BOUNDARY
	RCB	REINFORCED CHECK DAM
	CWA	CONCRETE WASHOUT AREA
	DD	DIVERSION DITCH
	IP	INLET PROTECTION
	RS	ROCK SOCK
	SB	SEDIMENT BASIN
	SCL	SEDIMENT CONTROL LOG
	SM	SEEDING
	SF	SILT FENCE
	SSA	STABILIZED STAGING AREA
	ST	SEDIMENT TRAP
	TSC	TEMPORARY STREAM CROSSING
	VTC	VEHICLE TRACKING CONTROL

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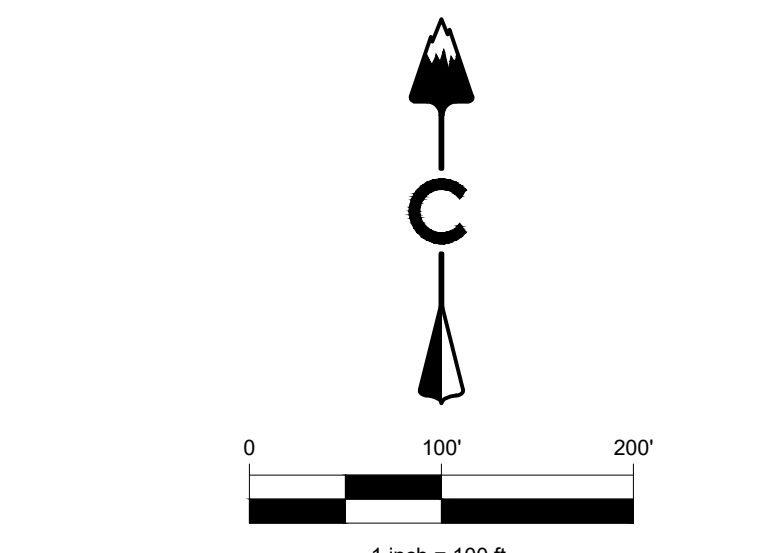
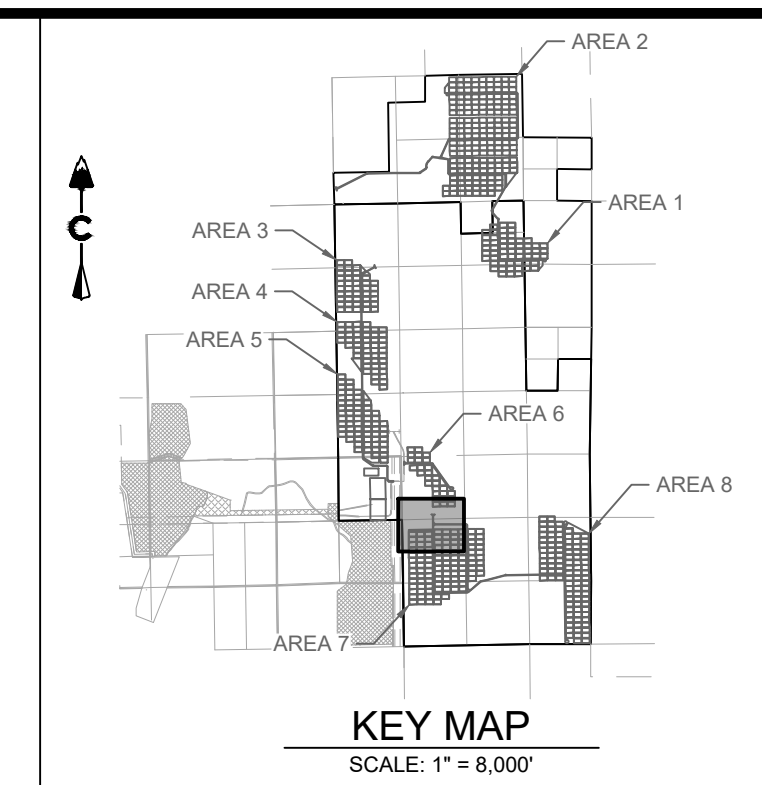
POD 6 EARTHWORK
 CUT: 3,778 CY
 FILL: 3,837 CY
 TOTAL: 59 CY (FILL)

PIKE SOLAR
 EL PASO COUNTY, COLORADO
 GRADING & EROSION CONTROL PLANS
 INITIAL (16 OF 24)

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LEGEND

5280	PROPOSED MAJOR CONTOUR
5279	PROPOSED MINOR CONTOUR
5280	EXISTING MAJOR CONTOUR
5279	EXISTING MINOR CONTOUR
- - - - -	PHASE BOUNDARY
[Symbol]	RCD REINFORCED CHECK DAM
[Symbol]	CWA CONCRETE WASHOUT AREA
[Symbol]	DD DIVERSION DITCH
[Symbol]	IP INLET PROTECTION
[Symbol]	RC ROCK SOCK
[Symbol]	SB SEDIMENT BASIN
[Symbol]	SQL SEDIMENT CONTROL LOG
[Symbol]	SM SEEDING
[Symbol]	SF SILT FENCE
[Symbol]	SSA STABILIZED STAGING AREA
[Symbol]	ST SEDIMENT TRAP
[Symbol]	TSC TEMPORARY STREAM CROSSING
[Symbol]	VTC VEHICLE TRACKING CONTROL

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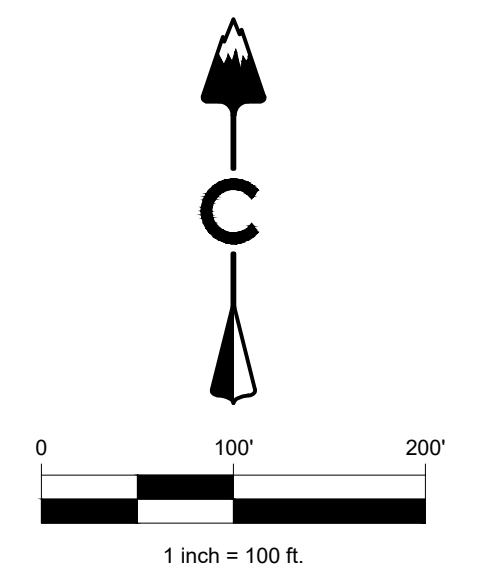
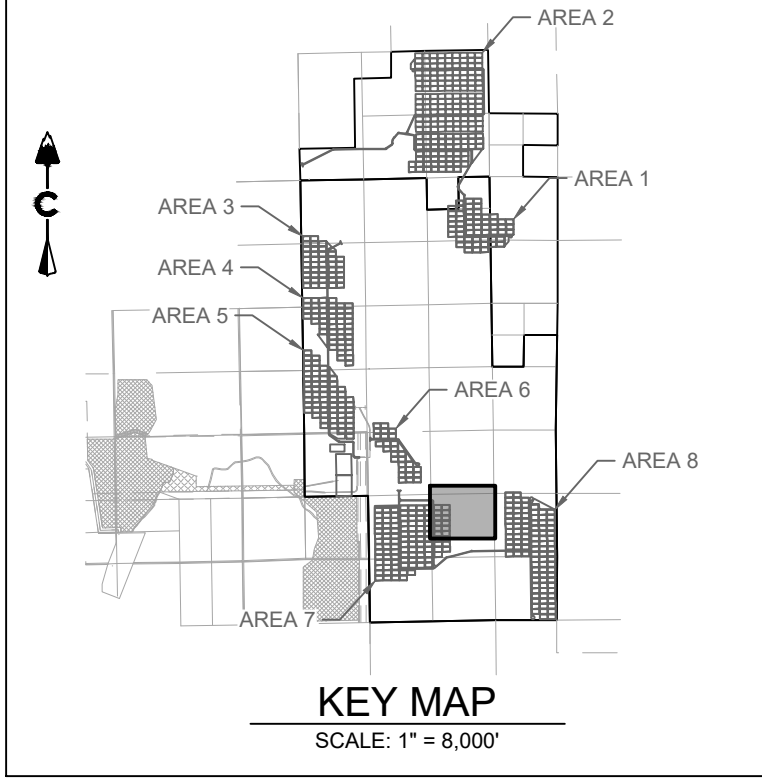
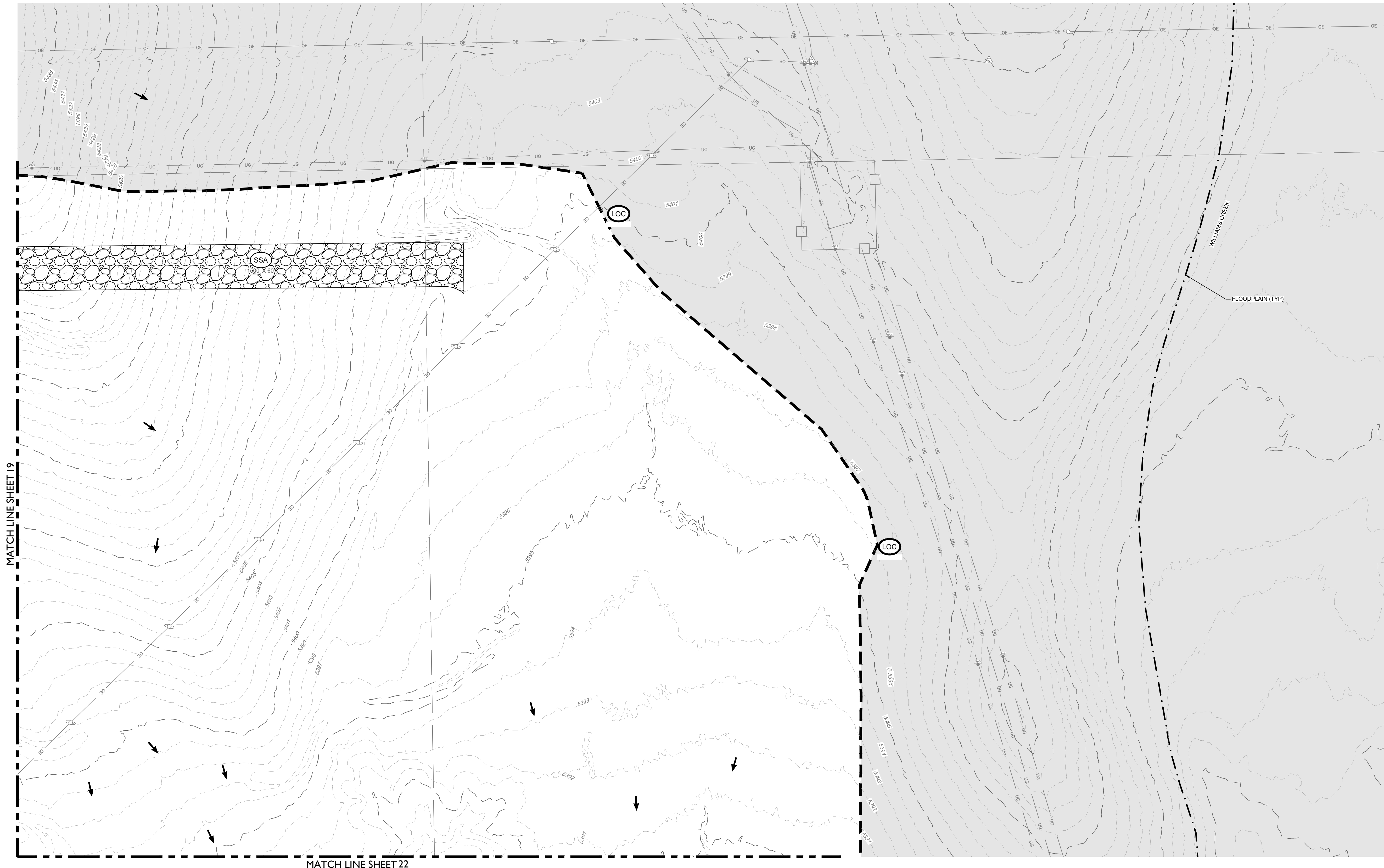
PIKE SOLAR
 EL PASO COUNTY, COLORADO
 GRADING & EROSION CONTROL PLANS
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20-194

SHEET
19 OF 78



LEGEND

---	5280	PROPOSED MAJOR CONTOUR
---	5279	PROPOSED MINOR CONTOUR
---	5280	EXISTING MAJOR CONTOUR
---	5279	EXISTING MINOR CONTOUR
- - - - -		PHASE BOUNDARY
[Cross-hatch]	(RCD)	REINFORCED CHECK DAM
[Cross-hatch]	(CWA)	CONCRETE WASHOUT AREA
[Line with arrows]	(DD)	DIVERSION DITCH
[Line with dots]	(IP)	INLET PROTECTION
[Line with cross-hatch]	(RC)	ROCK SOCK
[Line with cross-hatch]	(SB)	SEDIMENT BASIN
[Line with cross-hatch]	(SCL)	SEDIMENT CONTROL LOG
[Line with dots]	(SM)	SEEDING
[Line with dots]	(SF)	SILT FENCE
[Cross-hatch]	(SSA)	STABILIZED STAGING AREA
[Cross-hatch]	(ST)	SEDIMENT TRAP
[Cross-hatch]	(TSC)	TEMPORARY STREAM CROSSING
[Cross-hatch]	(VTC)	VEHICLE TRACKING CONTROL

- NOTES:**
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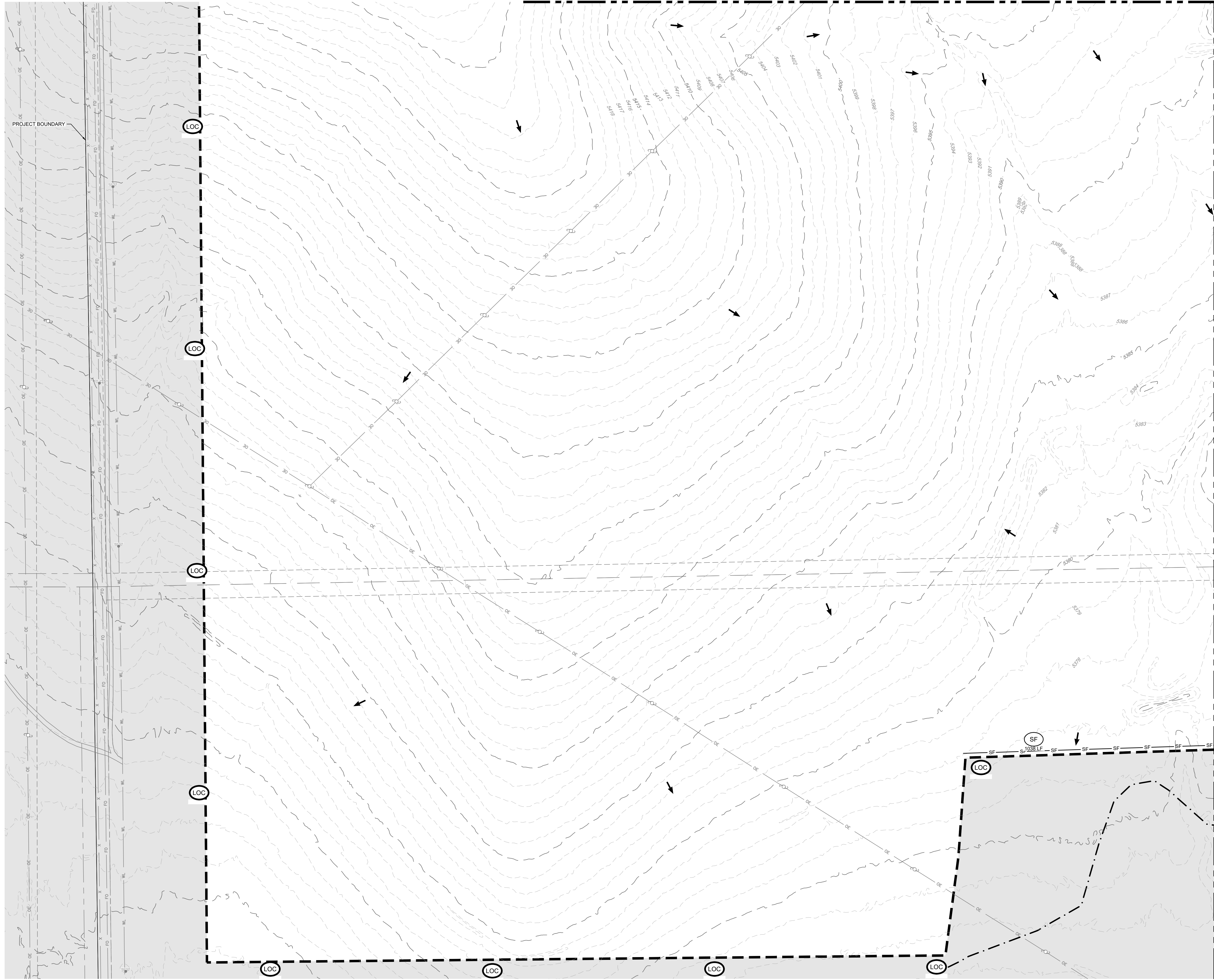
PIKE SOLAR
 EL PASO COUNTY, COLORADO
 GRADING & EROSION CONTROL PLANS
 INITIAL (18 OF 24)

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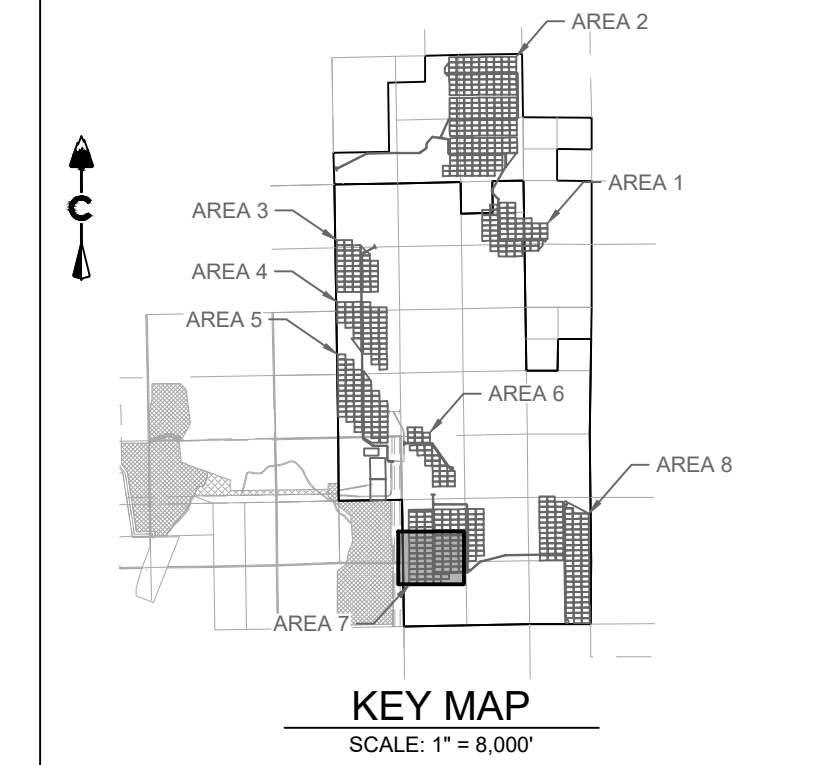
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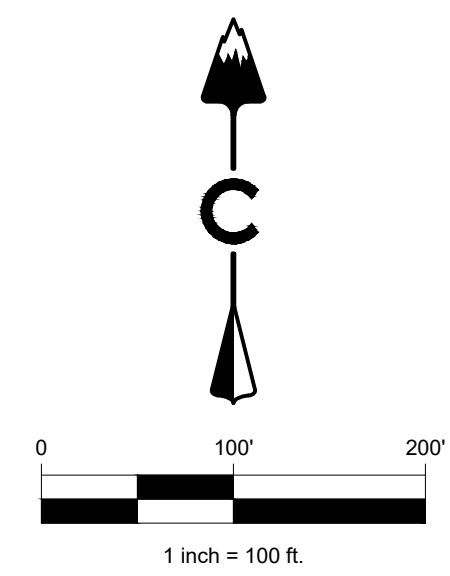
10/16/2021 10:35 AM X:\25-194 PIKE SOLAR\DWG\CAD\PLANS\FILING 10ES\GEC PLANS - INITIAL.DWG



MATCH LINE SHEET 19



KEY MAP
SCALE: 1" = 8,000'



LEGEND

	5280	PROPOSED MAJOR CONTOUR
	5279	PROPOSED MINOR CONTOUR
	5280	EXISTING MAJOR CONTOUR
	5279	EXISTING MINOR CONTOUR
		PHASE BOUNDARY
	RCD	REINFORCED CHECK DAM
	CWA	CONCRETE WASHOUT AREA
	DD	DIVERSION DITCH
	IP	INLET PROTECTION
	RS	ROCK SOCK
	SB	SEDIMENT BASIN
	SC	SEDIMENT CONTROL LOG
	SM	SEEDING
	SF	SILT FENCE
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EL PASO COUNTY, COLORADO
GRADING & EROSION CONTROL PLANS
INITIAL (19 OF 24)

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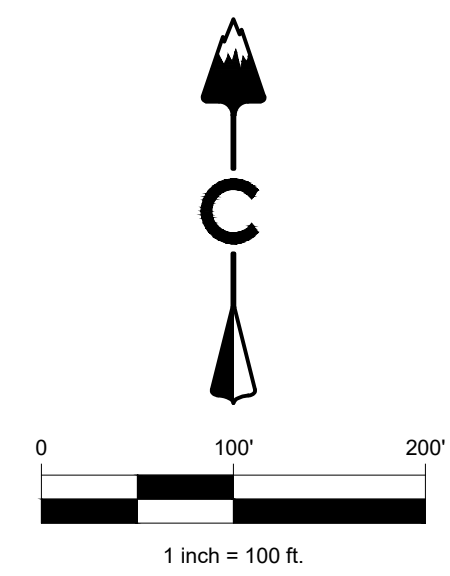
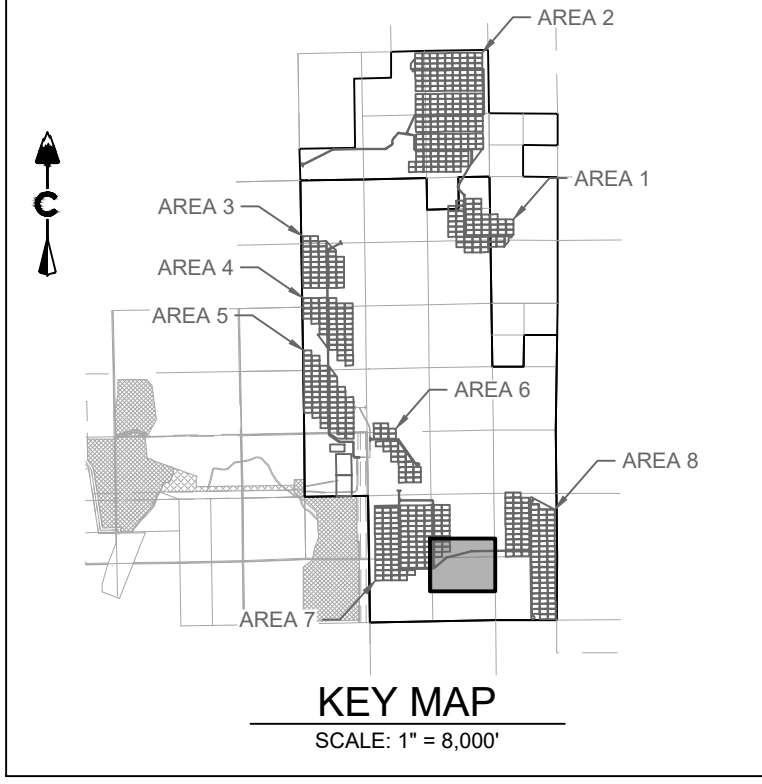
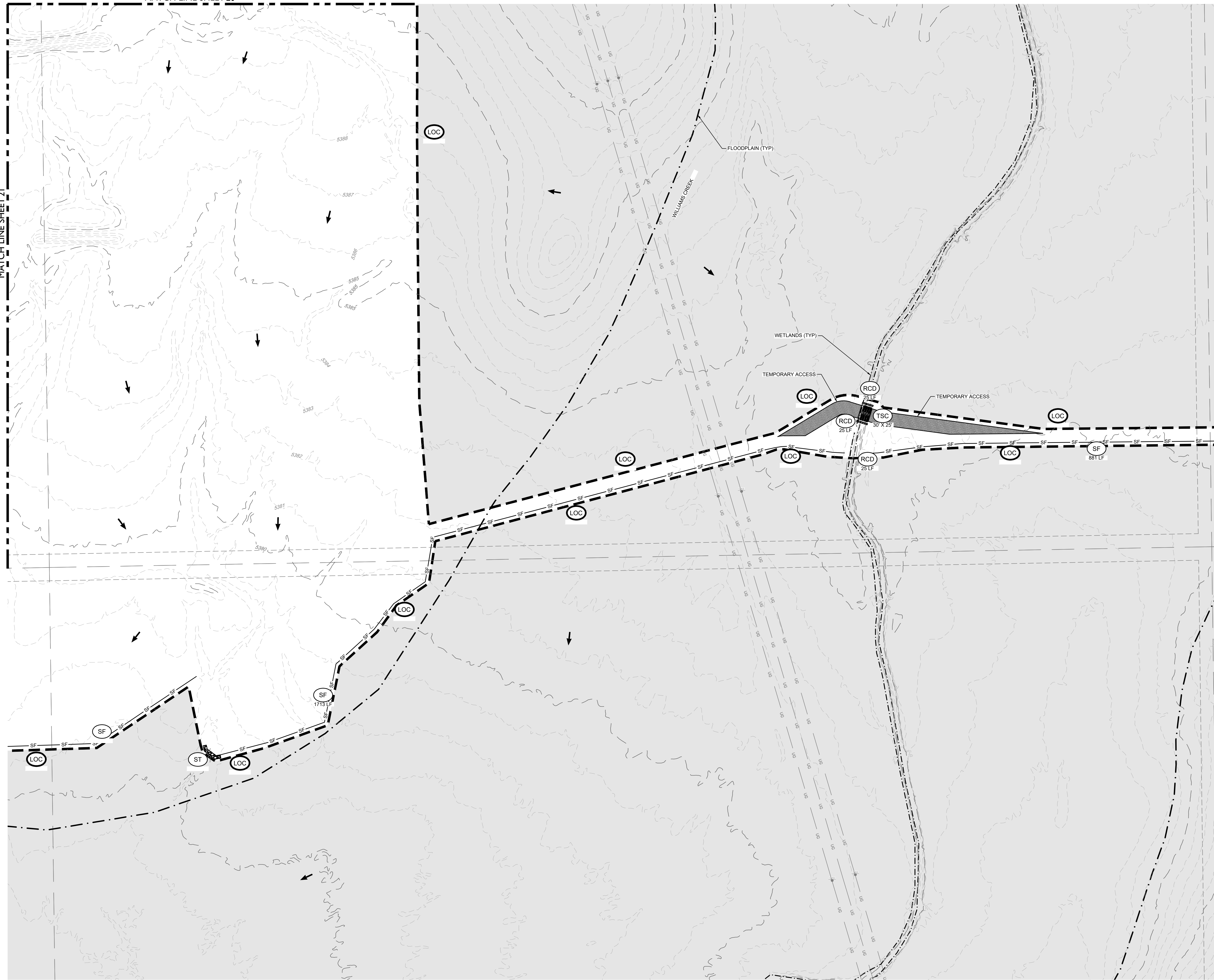
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04/07/21	DB
10/20/21	RR

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MATCH LINE SHEET 21

MATCH LINE SHEET 20

MATCH LINE SHEET 23



LEGEND

- 5280 PROPOSED MAJOR CONTOUR
- 5279 PROPOSED MINOR CONTOUR
- 5280 EXISTING MAJOR CONTOUR
- 5279 EXISTING MINOR CONTOUR
- PHASE BOUNDARY
- RCD REINFORCED CHECK DAM
- CWA CONCRETE WASHOUT AREA
- DD DIVERSION DITCH
- IP INLET PROTECTION
- RC ROCK SOCK
- SB SEDIMENT BASIN
- SCS SEDIMENT CONTROL LOG
- SM SEEDING
- SF SILT FENCE
- SSA STABILIZED STAGING AREA
- ST SEDIMENT TRAP
- TSC TEMPORARY STREAM CROSSING
- VTC VEHICLE TRACKING CONTROL

NOTES:

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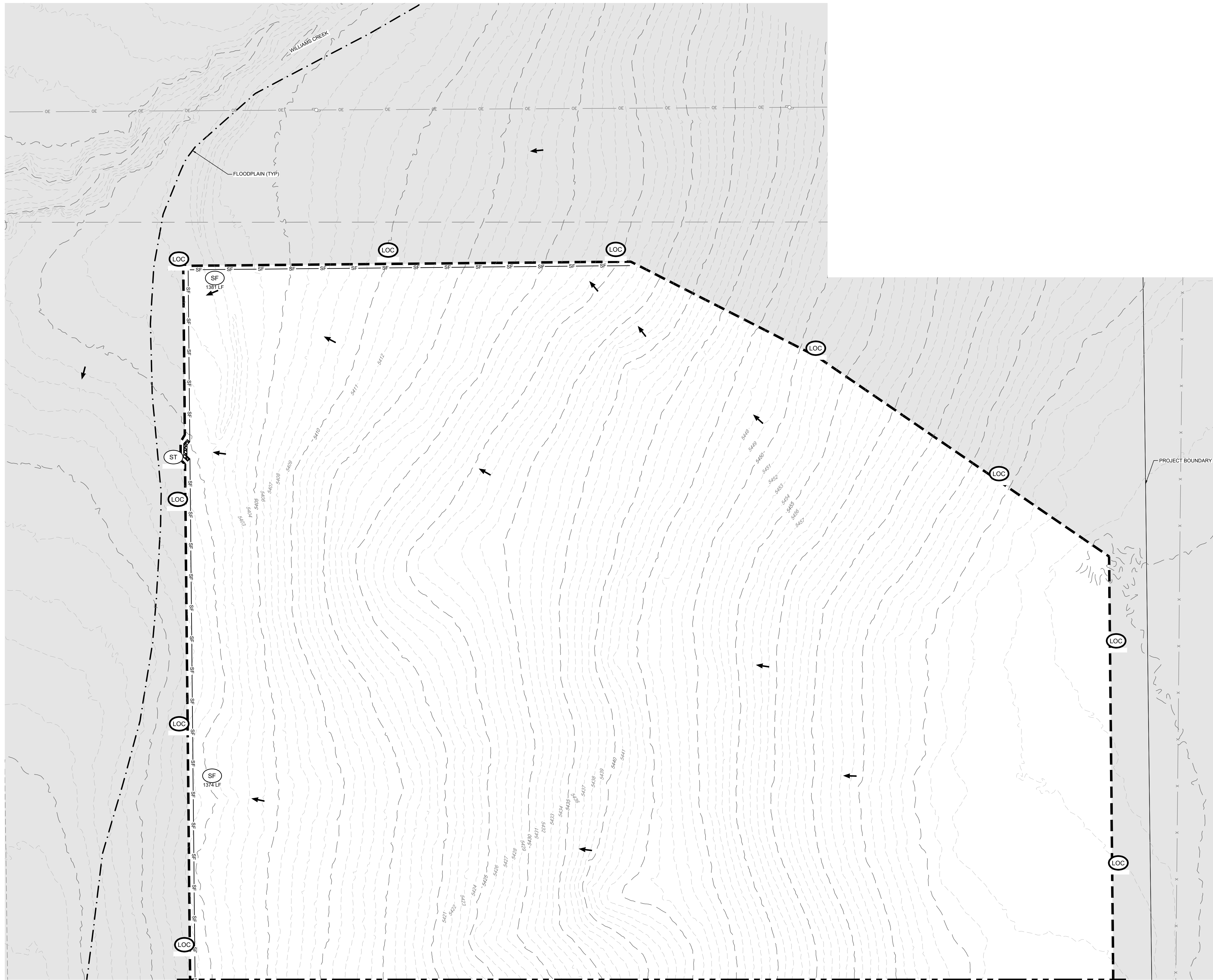
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 EL PASO COUNTY, COLORADO
 GRADING & EROSION CONTROL PLANS
 INITIAL (20 OF 24)

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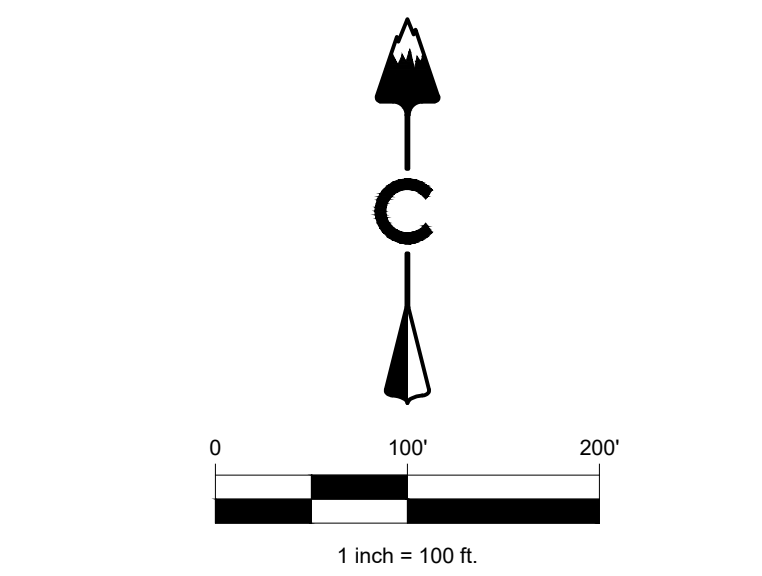
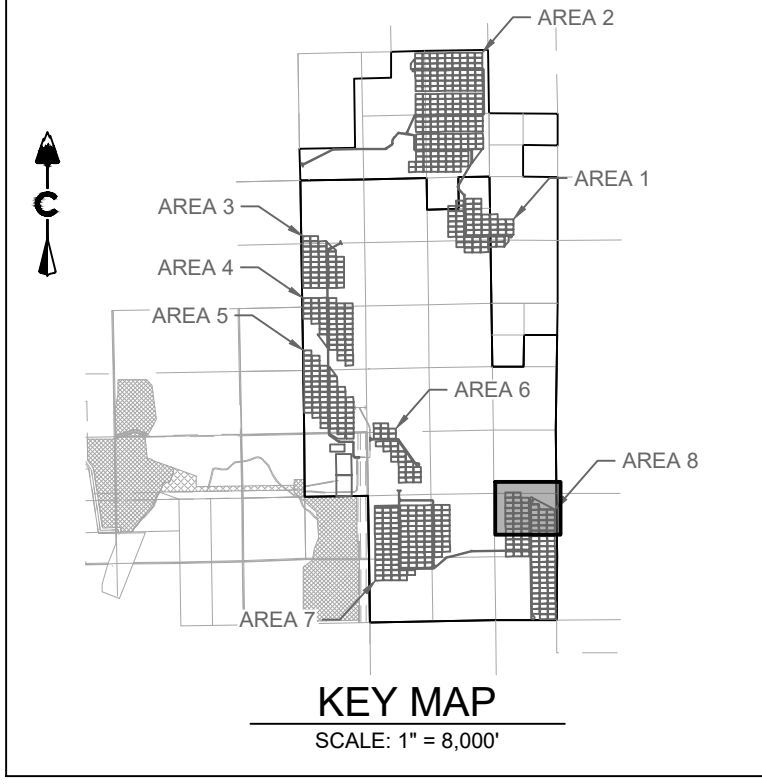
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MATCH LINE SHEET 22



LEGEND

	5280	PROPOSED MAJOR CONTOUR
	5279	PROPOSED MINOR CONTOUR
	5280	EXISTING MAJOR CONTOUR
	5279	EXISTING MINOR CONTOUR
		PHASE BOUNDARY
	RC	REINFORCED CHECK DAM
	CWA	CONCRETE WASHOUT AREA
	DD	DIVERSION DITCH
	IP	INLET PROTECTION
	RC	ROCK SOCK
	SB	SEDIMENT BASIN
	SCL	SEDIMENT CONTROL LOG
	SM	SEEDING
	SF	SILT FENCE
	SSA	STABILIZED STAGING AREA
	ST	SEDIMENT TRAP
	TSC	TEMPORARY STREAM CROSSING
	VTC	VEHICLE TRACKING CONTROL

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EL PASO COUNTY, COLORADO
GRADING & EROSION CONTROL PLANS
INITIAL (21 OF 24)

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23 OF 78

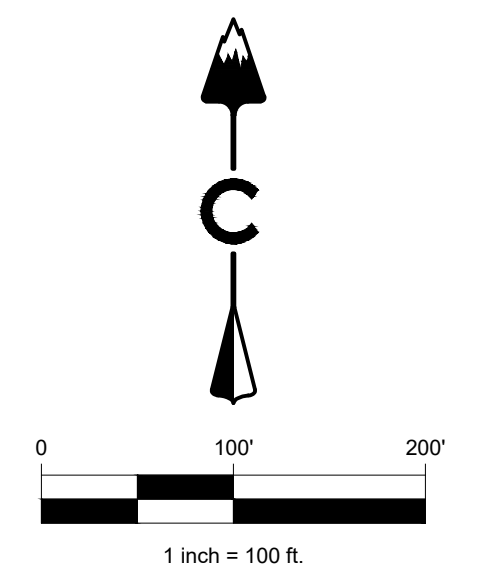
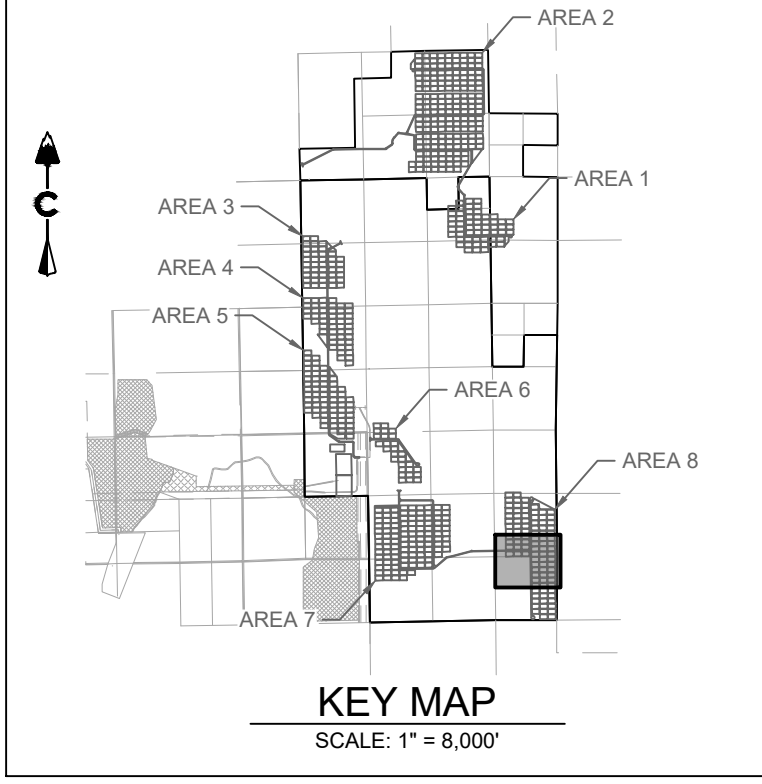
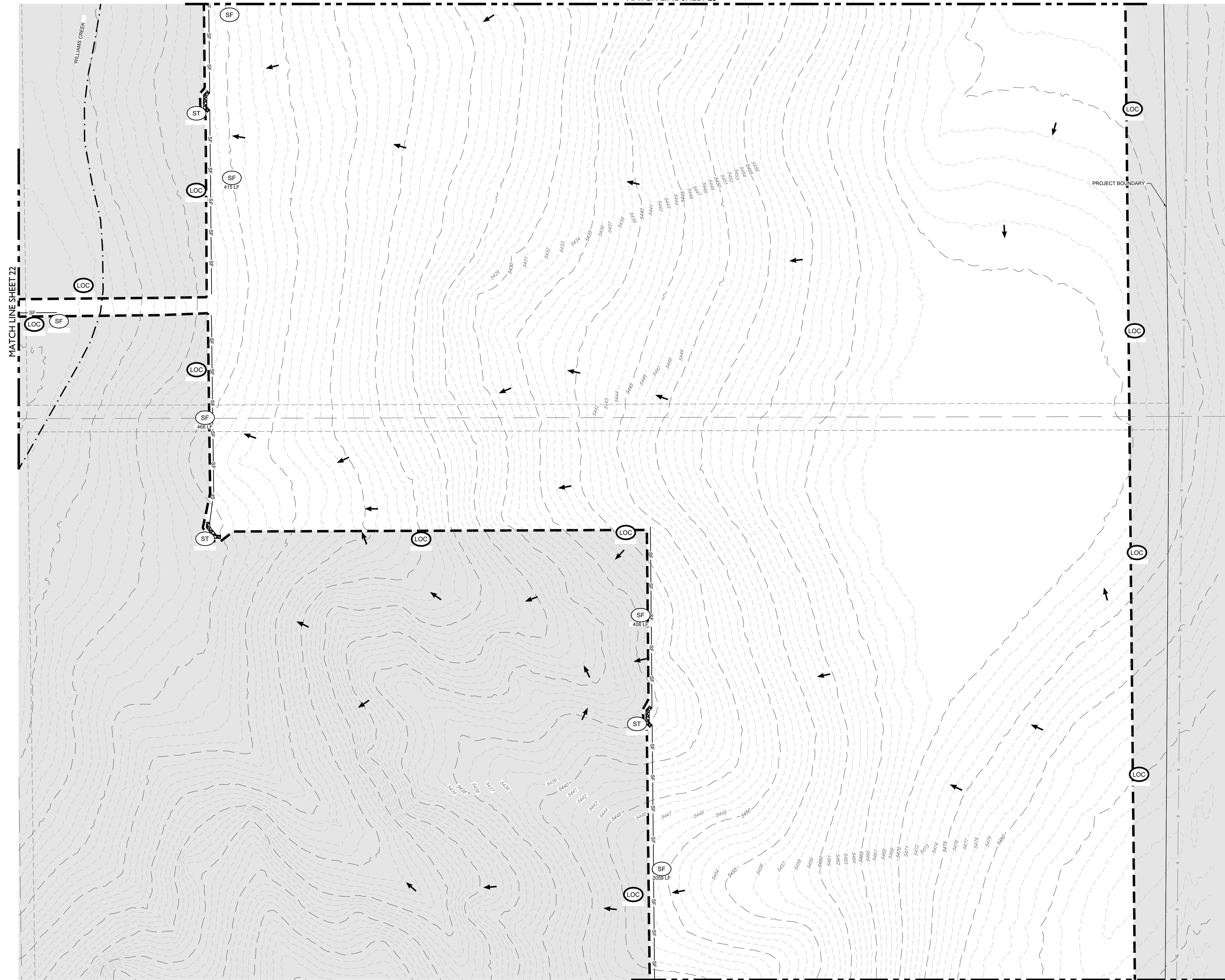
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MATCH LINE SHEET 23

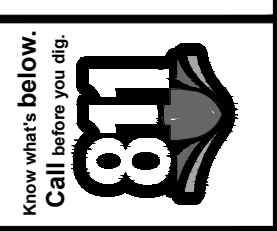


LEGEND

	5280	PROPOSED MAJOR CONTOUR
	5279	PROPOSED MINOR CONTOUR
	5280	EXISTING MAJOR CONTOUR
	5279	EXISTING MINOR CONTOUR
		PHASE BOUNDARY
	RCD	REINFORCED CHECK DAM
	CWA	CONCRETE WASHOUT AREA
	DD	DIVERSION DITCH
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	SCL	SEDIMENT CONTROL LOG
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	SF	SILT FENCE
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 EL PASO COUNTY, COLORADO
 GRADING & EROSION CONTROL PLANS
 INITIAL (22 OF 24)

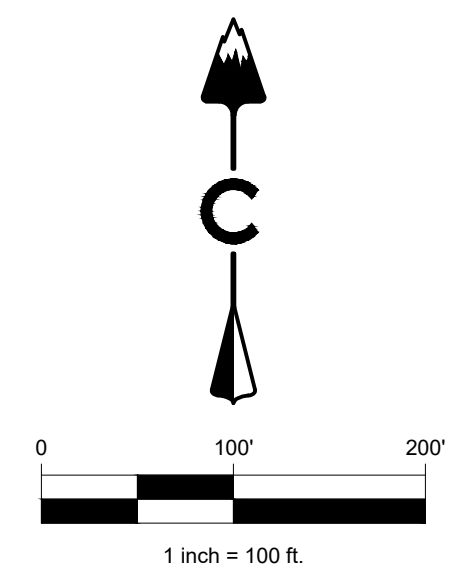
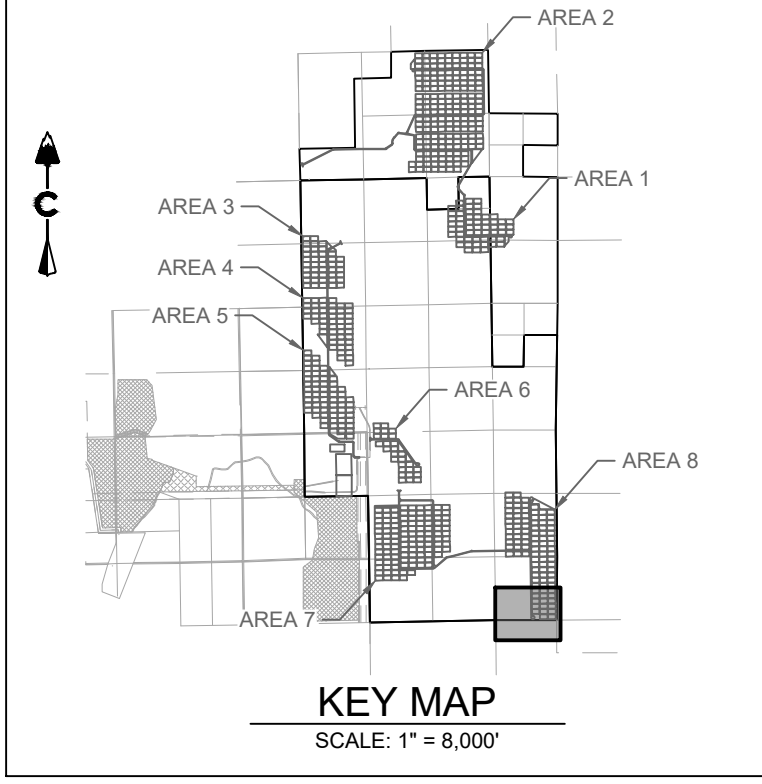
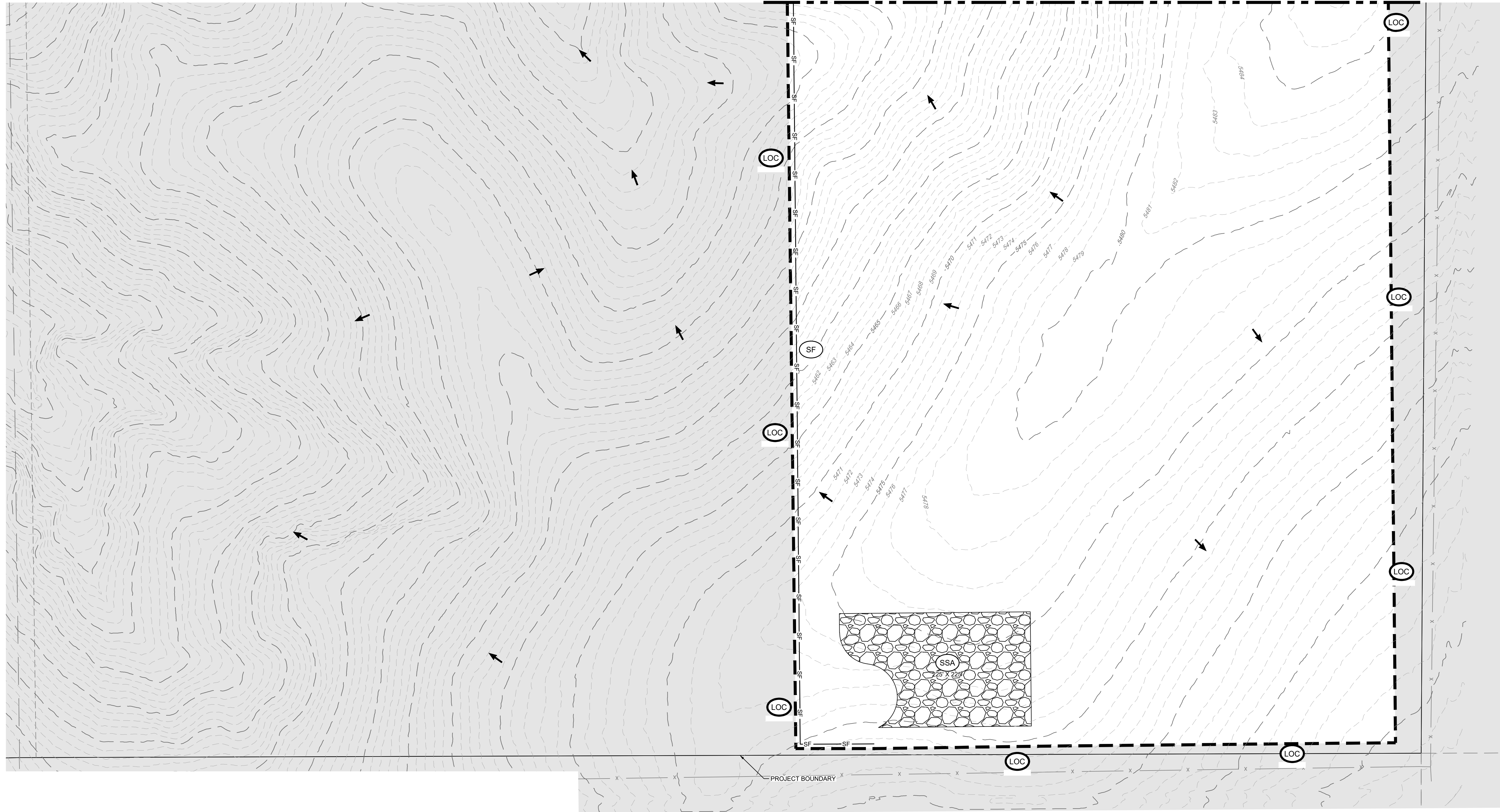
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 20-194
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 24 OF 78

MATCH LINE SHEET 25

MATCH LINE SHEET 24



LEGEND

	5280	PROPOSED MAJOR CONTOUR
	5279	PROPOSED MINOR CONTOUR
	5280	EXISTING MAJOR CONTOUR
	5279	EXISTING MINOR CONTOUR
		PHASE BOUNDARY
	RCI	REINFORCED CHECK DAM
	CWA	CONCRETE WASHOUT AREA
	DD	DIVERSION DITCH
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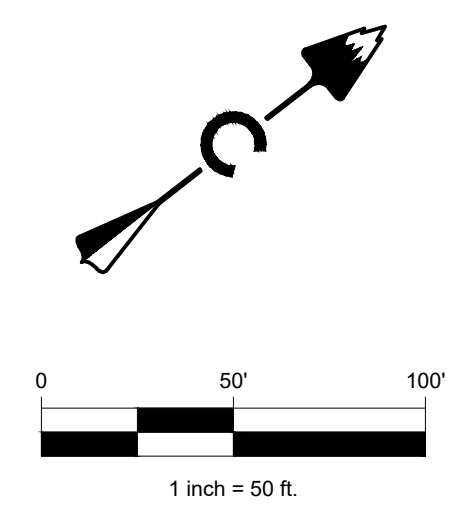
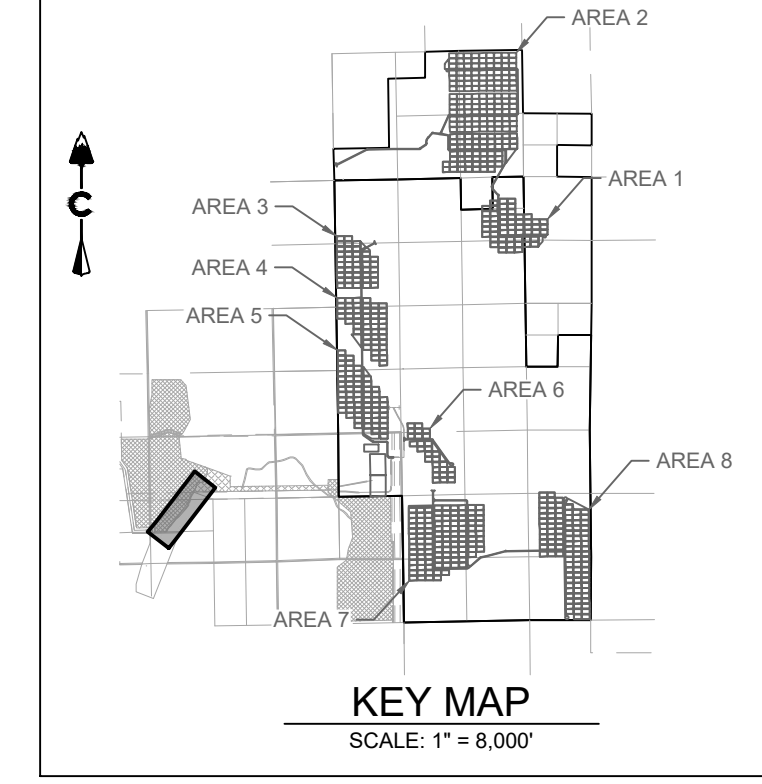
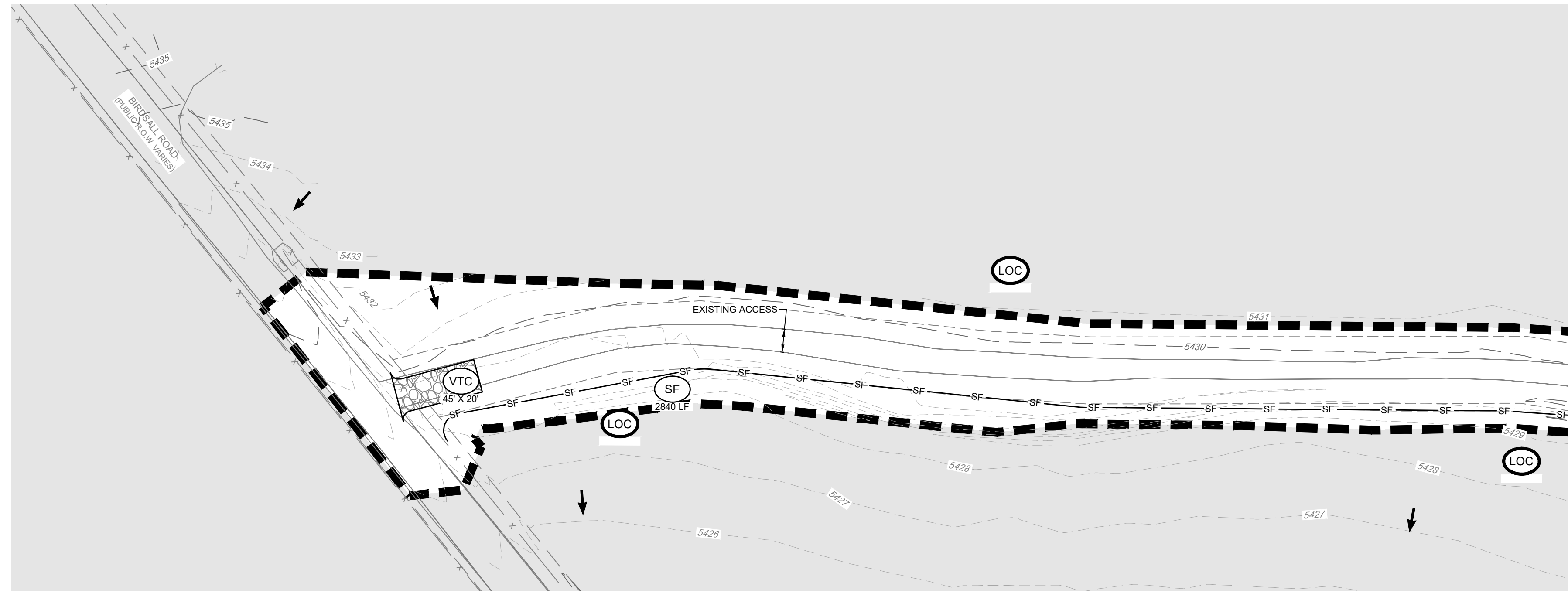
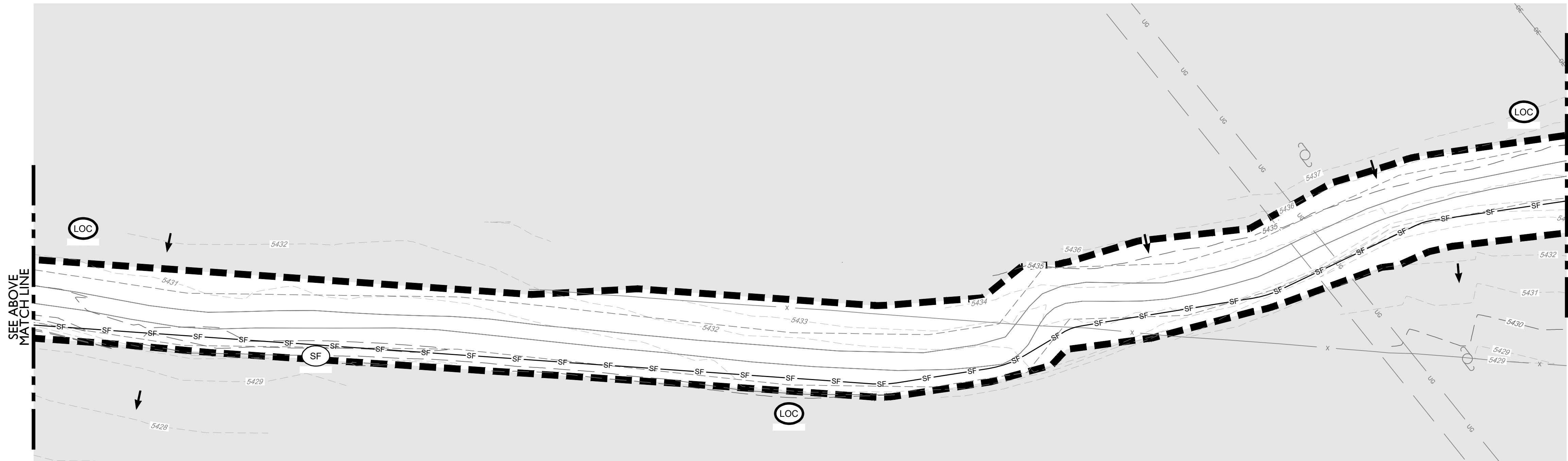
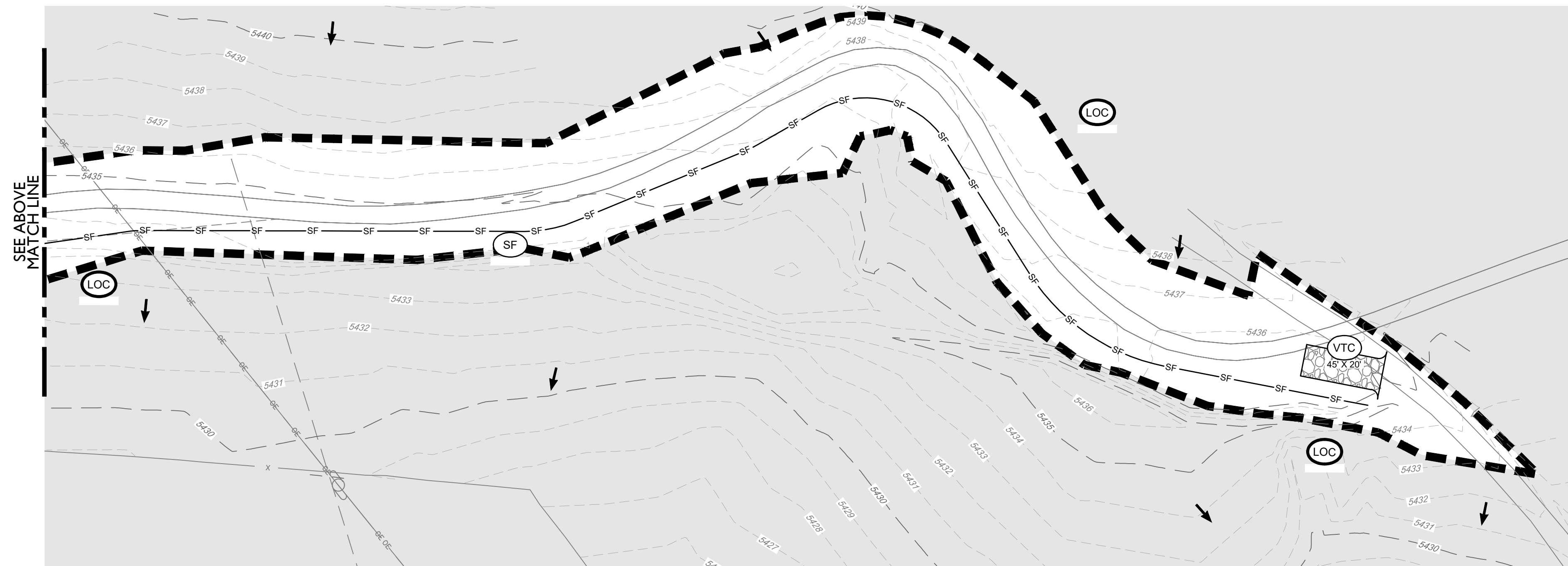
PIKE SOLAR
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 INITIAL (23 OF 24)

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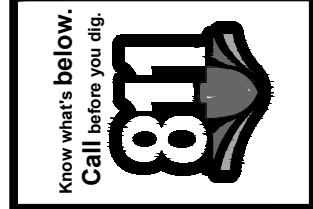


LEGEND

	5280	PROPOSED MAJOR CONTOUR
	5279	PROPOSED MINOR CONTOUR
	5280	EXISTING MAJOR CONTOUR
	5279	EXISTING MINOR CONTOUR
		PHASE BOUNDARY
	RC	REINFORCED CHECK DAM
	CWA	CONCRETE WASHOUT AREA
	DD	DIVERSION DITCH
	IP	INLET PROTECTION
	RC	ROCK SOCK
	SB	SEDIMENT BASIN
	SCL	SEDIMENT CONTROL LOG
	SM	SEEDING
	SF	SILT FENCE
	SSA	STABILIZED STAGING AREA
	ST	SEDIMENT TRAP
	TSC	TEMPORARY STREAM CROSSING
	VTC	VEHICLE TRACKING CONTROL

- NOTES:**
- SEE COVER SHEET FOR EL PASO COUNTY GEC STANDARD NOTES.
 - SEE SHEETS 74-75 FOR EROSION CONTROL DETAILS.
 - ALL SILT FENCE NOT RUNNING PARALLEL TO CONTOURS SHALL BE INSTALLED WITH J-HOOKS. SEE SHEET 75 FOR DETAIL.

CORE
 LAND DEVELOPMENT
 ENERGY
 PUBLIC INFRASTRUCTURE



#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	02/25/21	DB
2	BID SET	04/07/21	DB
3	2ND SUBMITTAL	10/20/21	RS

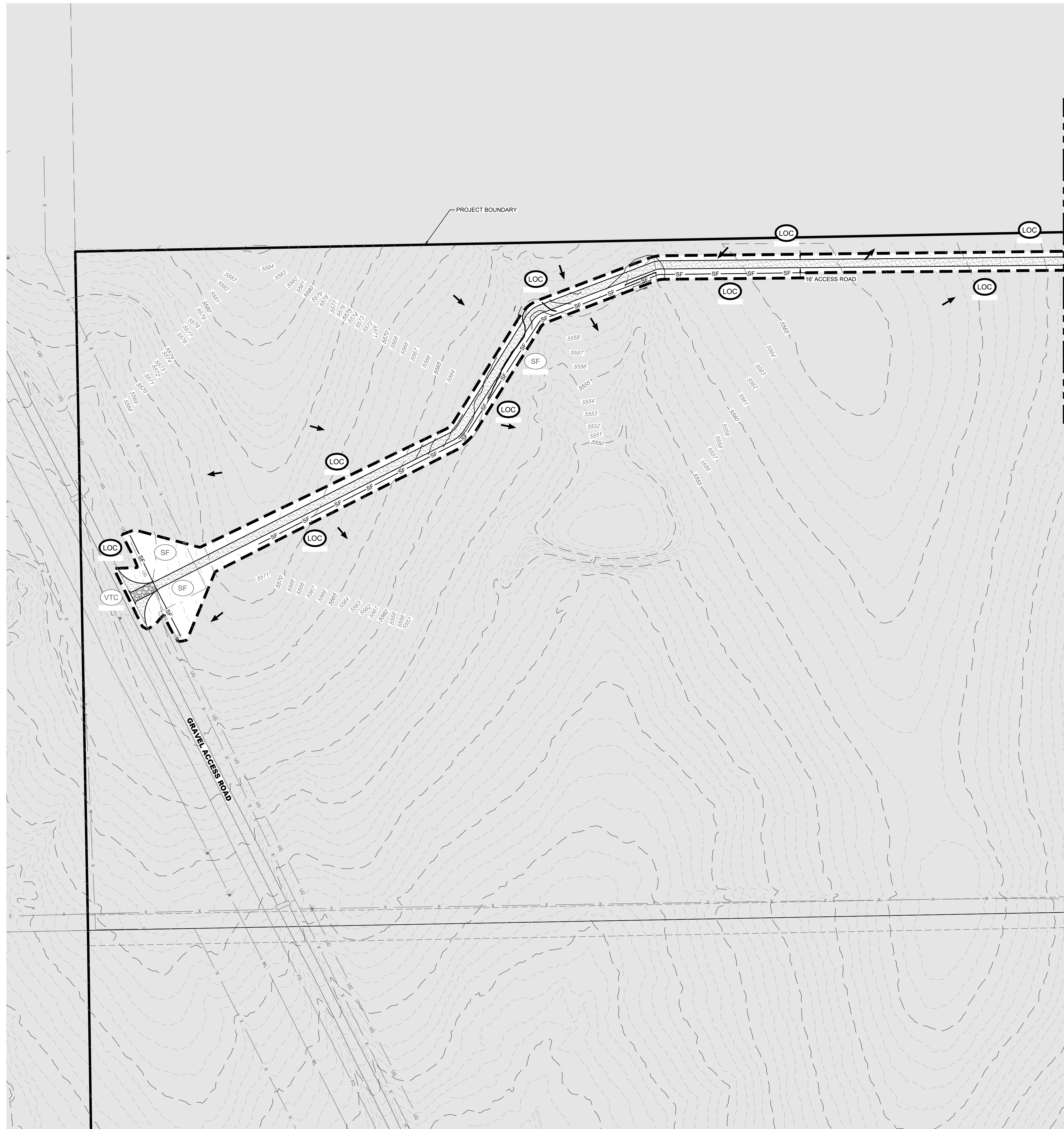
PIKE SOLAR
 EL PASO COUNTY, COLORADO
 GRADING & EROSION CONTROL PLANS
 INITIAL (24 OF 24)

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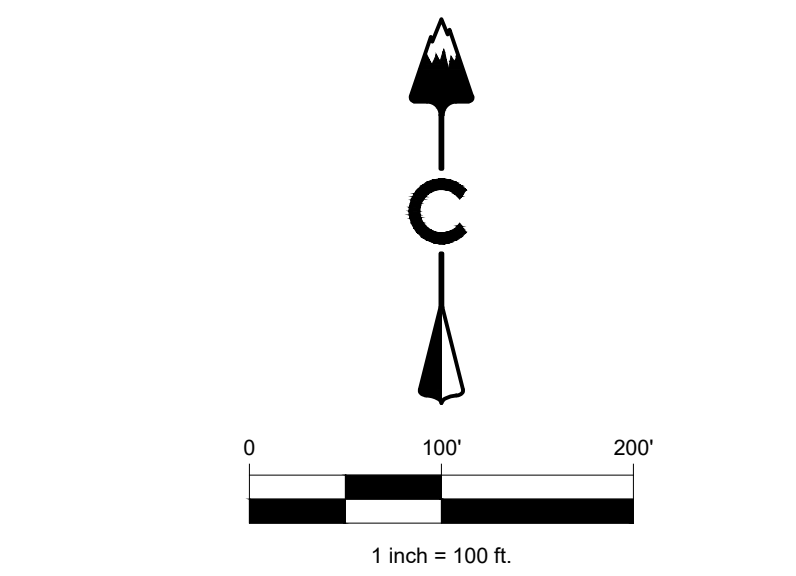
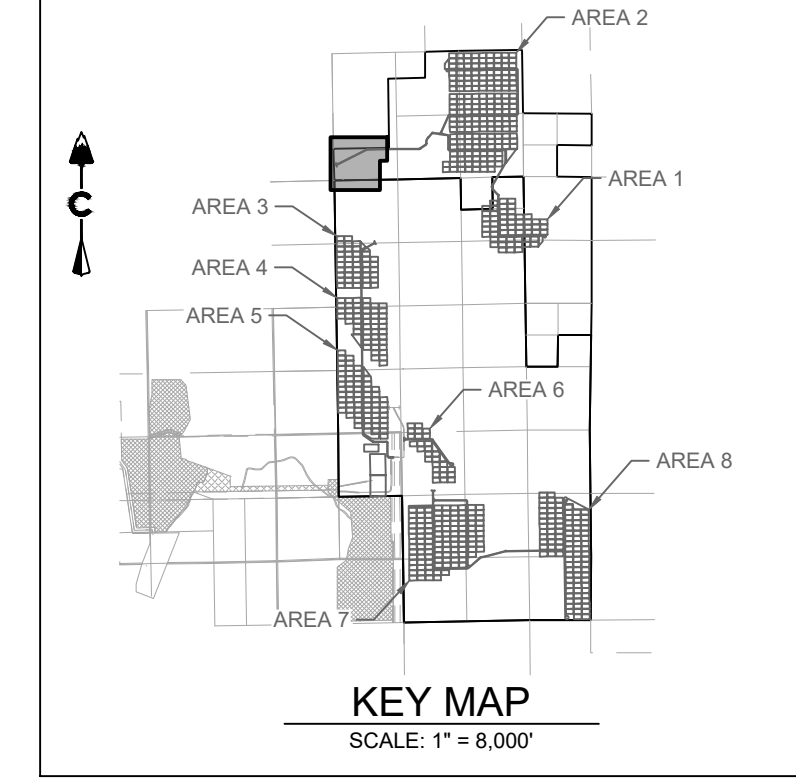
DESIGNED BY: BB
 DRAWN BY: SD
 CHECKED BY: DB

JOB NO.
 20-194

SHEET
 26 OF 78



MATCHLINE SHEET 28



LEGEND

— 5280	PROPOSED MAJOR CONTOUR
— 5279	PROPOSED MINOR CONTOUR
— 5280	EXISTING MAJOR CONTOUR
— 5279	EXISTING MINOR CONTOUR
- - - -	PHASE BOUNDARY
[Symbol]	(RCD) REINFORCED CHECK DAM
[Symbol]	(CWA) CONCRETE WASHOUT AREA
[Symbol]	(DD) DIVERSION DITCH
[Symbol]	(IP) INLET PROTECTION
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3	2ND SUBMITTAL	10/20/21	RS

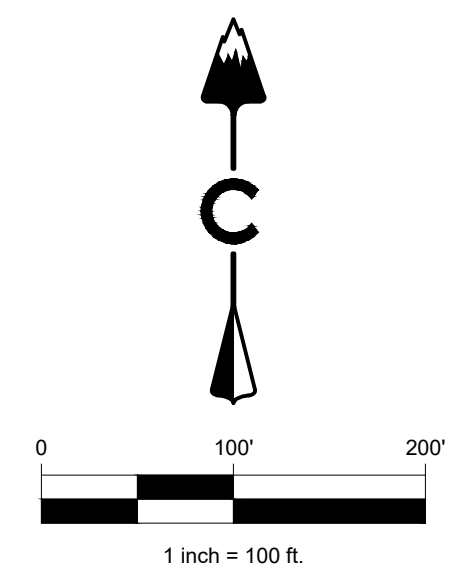
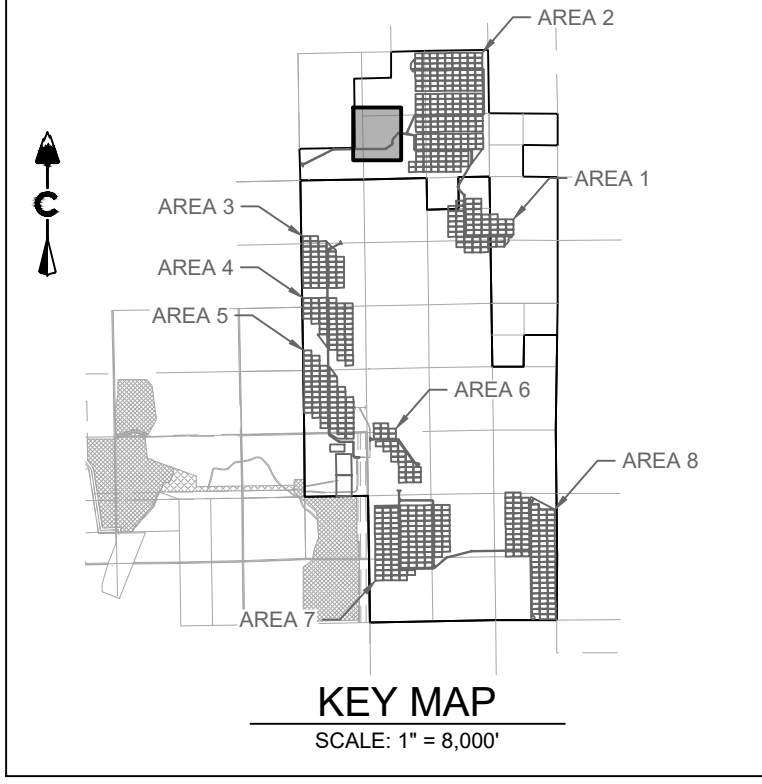
PIKE SOLAR
 EL PASO COUNTY, COLORADO
 GRADING & EROSION CONTROL PLANS
 INTERIM (1 OF 24)

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 20-194

SHEET
 27 OF 78

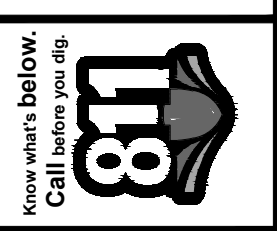


LEGEND

— 5280 —	PROPOSED MAJOR CONTOUR
— 5279 —	PROPOSED MINOR CONTOUR
- - - 5280 - - -	EXISTING MAJOR CONTOUR
- - - 5279 - - -	EXISTING MINOR CONTOUR
- - - - -	PHASE BOUNDARY
[Symbol]	(RCD) REINFORCED CHECK DAM
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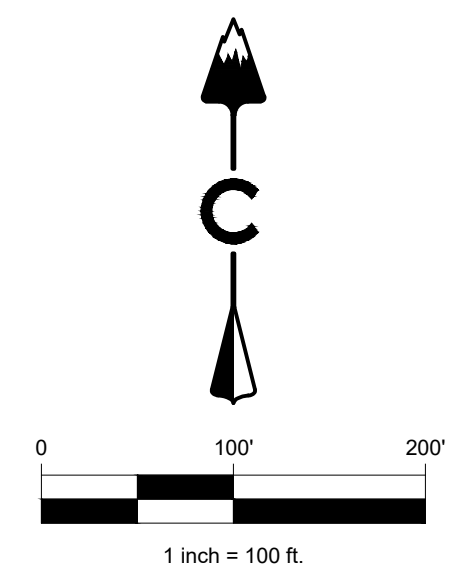
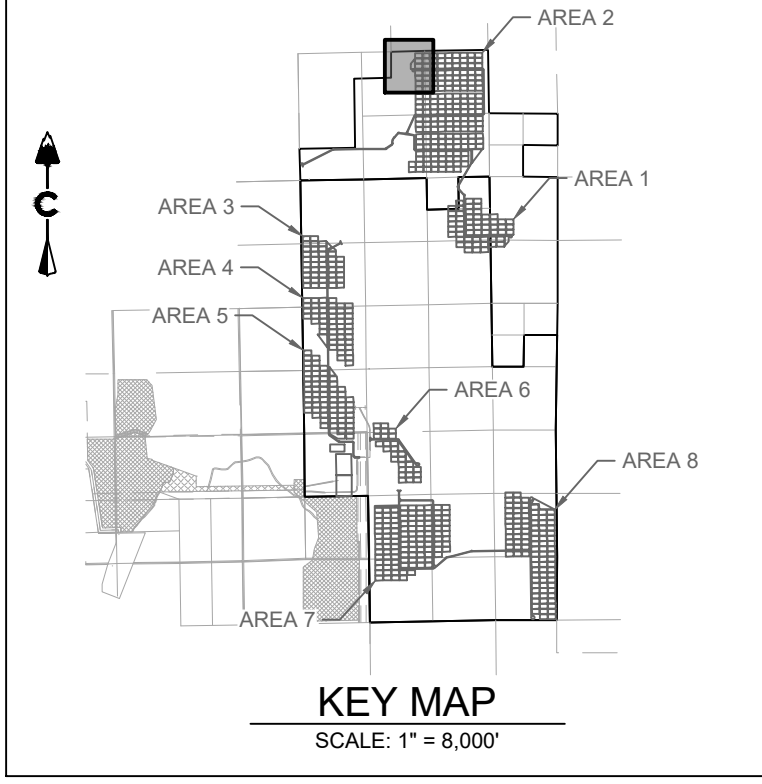
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1	1ST SUBMITTAL	02/25/21	DB
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PIKE SOLAR
EL PASO COUNTY, COLORADO
GRADING & EROSION CONTROL PLANS
INTERIM (2 OF 24)

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JOB NO. 20-194
SHEET 28 OF 78

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LEGEND

— 5280	PROPOSED MAJOR CONTOUR
— 5279	PROPOSED MINOR CONTOUR
- - - 5280	EXISTING MAJOR CONTOUR
- - - 5279	EXISTING MINOR CONTOUR
- - - - -	PHASE BOUNDARY
[Symbol]	(RCD) REINFORCED CHECK DAM
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[Symbol]	(TSC) TEMPORARY STREAM CROSSING
[Symbol]	(VTC) VEHICLE TRACKING CONTROL

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3	2ND SUBMITTAL	10/20/21	RS

PIKE SOLAR
 EL PASO COUNTY, COLORADO
 GRADING & EROSION CONTROL PLANS
 INTERIM (3 OF 24)

NOT FOR CONSTRUCTION

DESIGNED BY: BB
 DRAWN BY: SD
 CHECKED BY: DB

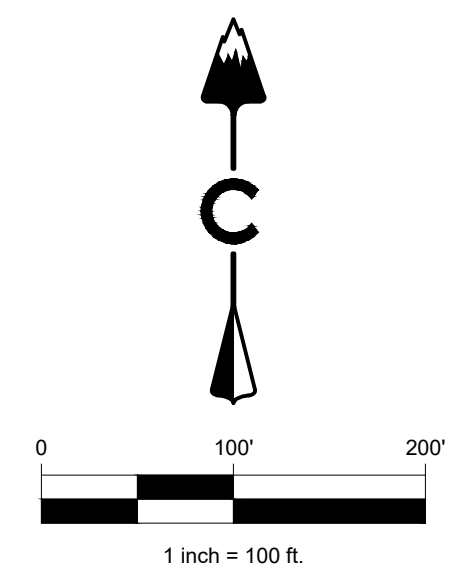
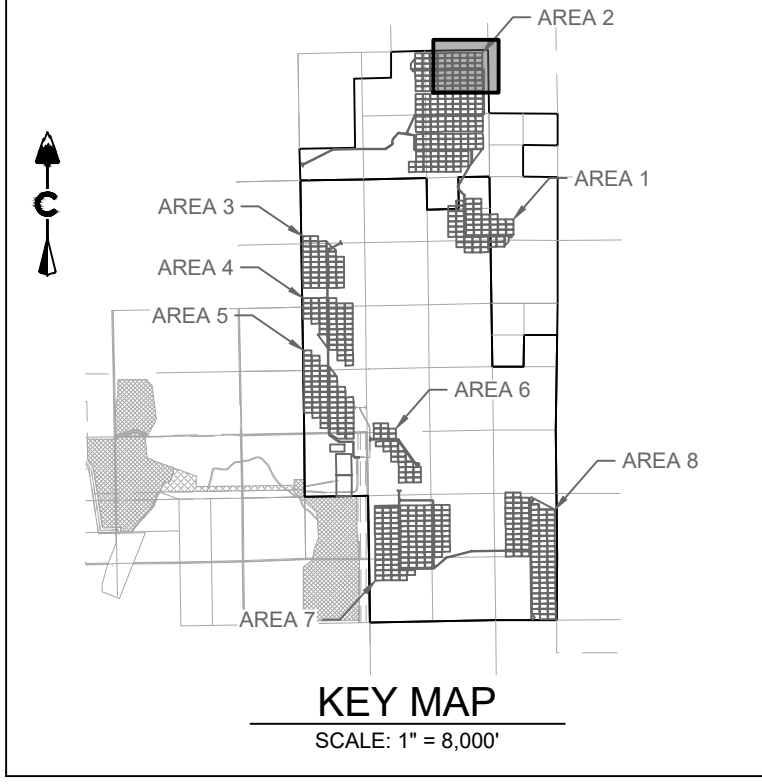
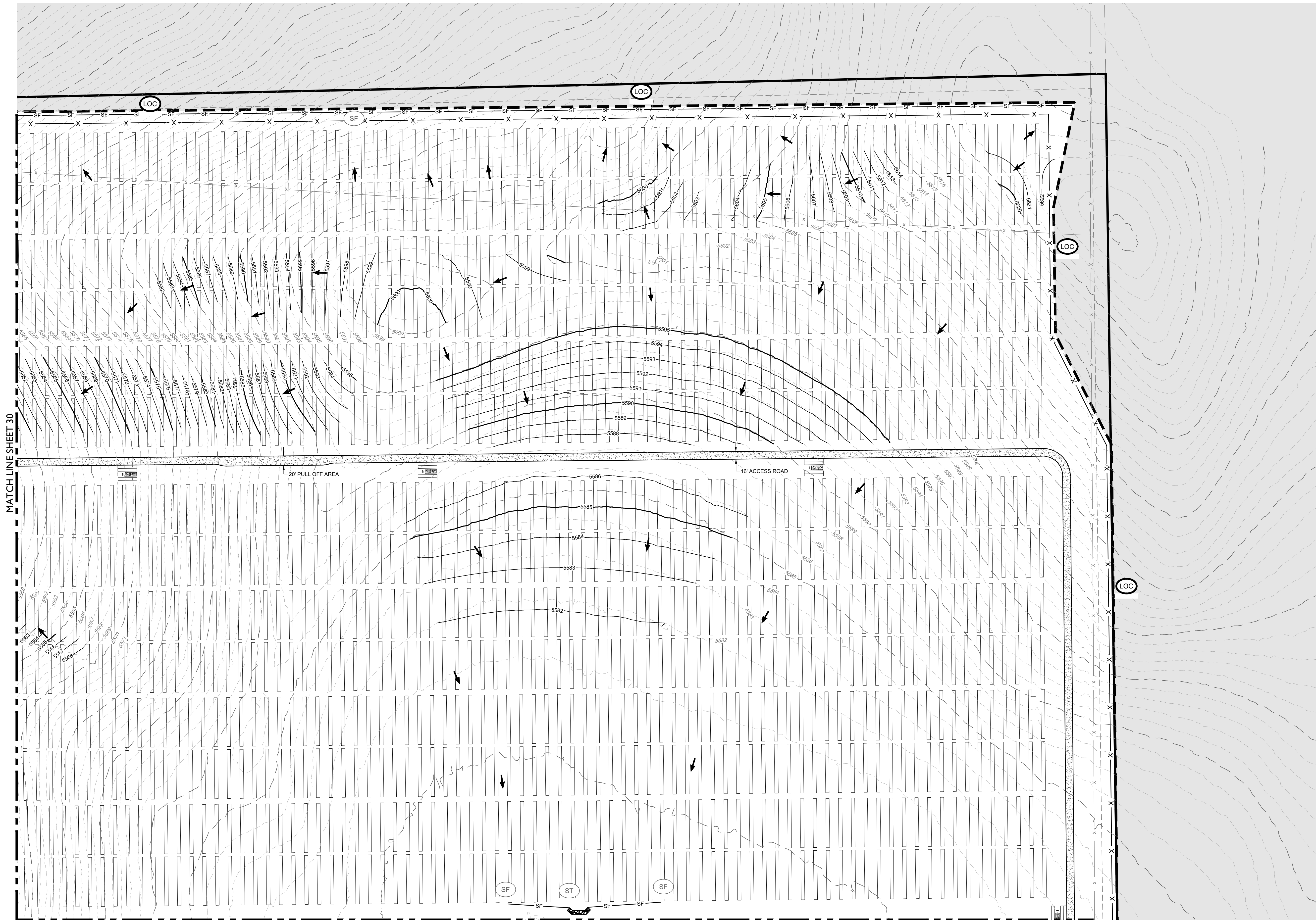
JOB NO.
 20-194

SHEET
 29 OF 78

MATCH LINE SHEET 31

MATCHLINE SHEET 30

10/15/2021 10:39 AM X:\25-184 PIKE SOLAR\BUILDCAD\PLANS\FILING 10ESC\ESC PLAN 1 - INTERIM.DWG



LEGEND

	5280	PROPOSED MAJOR CONTOUR
	5279	PROPOSED MINOR CONTOUR
	5280	EXISTING MAJOR CONTOUR
	5279	EXISTING MINOR CONTOUR
		PHASE BOUNDARY
	RCD	REINFORCED CHECK DAM
	CWA	CONCRETE WASHOUT AREA
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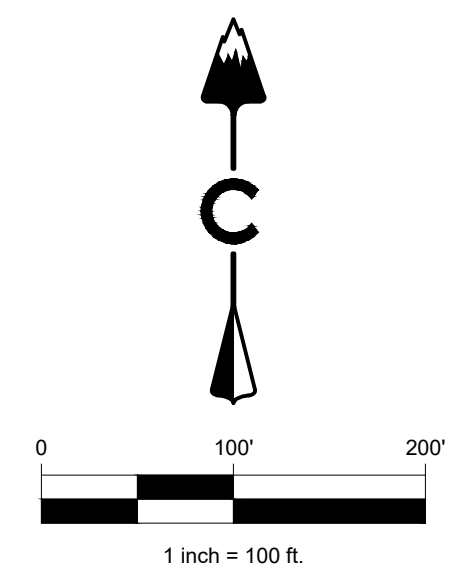
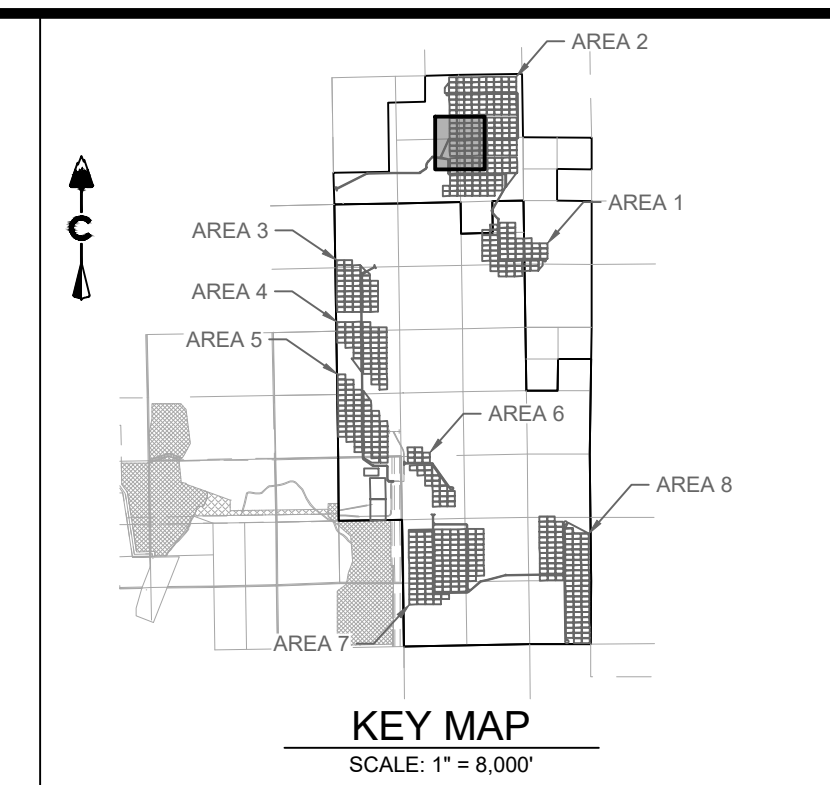
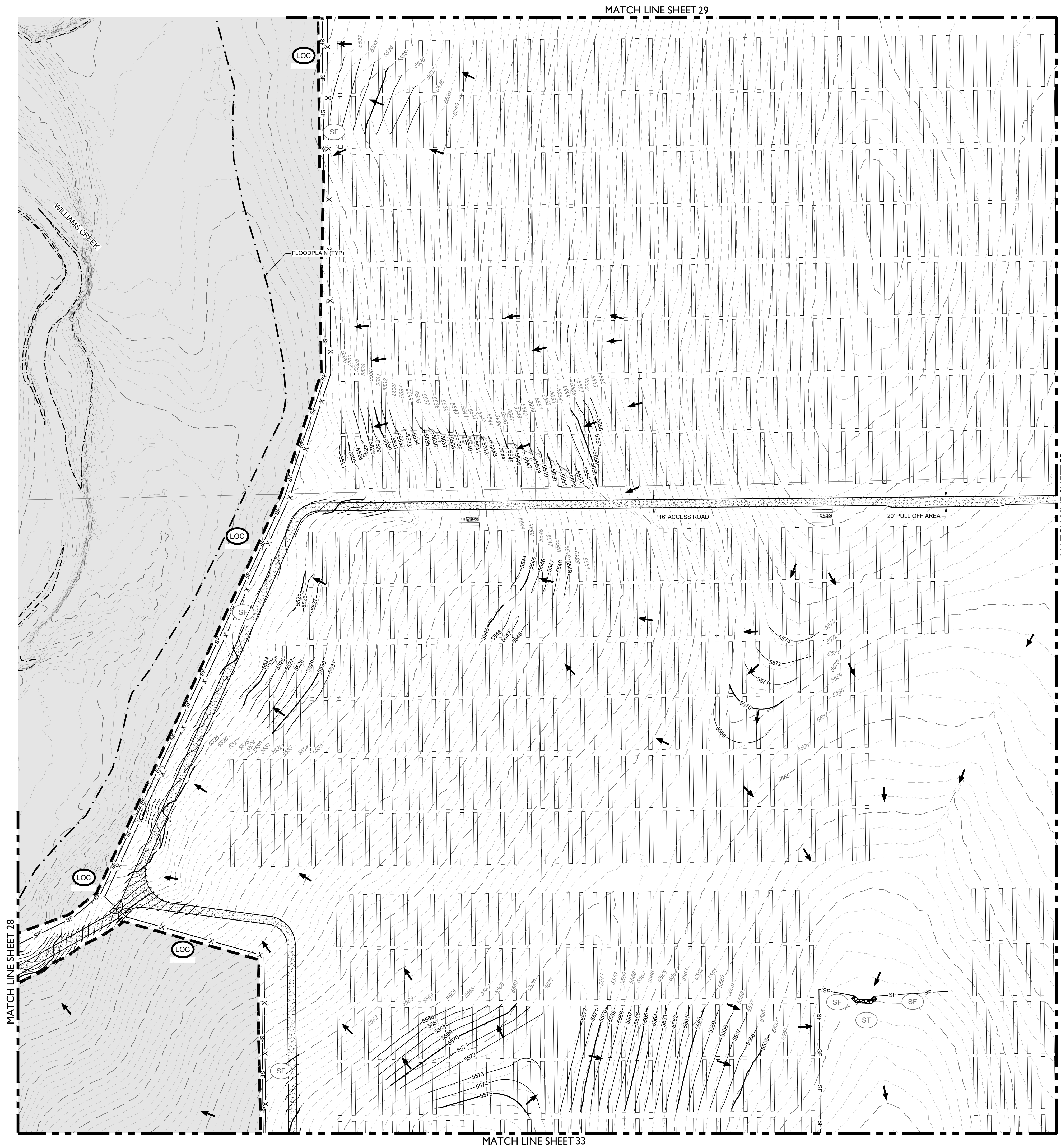
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04/07/21	DB	2 BID SET
10/20/21	IR	3 2ND SUBMITTAL

PIKE SOLAR
 EL PASO COUNTY, COLORADO
 GRADING & EROSION CONTROL PLANS
 INTERIM (4 OF 24)

NOT FOR CONSTRUCTION

DESIGNED BY: BB
 DRAWN BY: SD
 CHECKED BY: DB

JOB NO.
20-194
 SHEET
30 OF 78



LEGEND

— 5280 —	PROPOSED MAJOR CONTOUR
— 5279 —	PROPOSED MINOR CONTOUR
— 5280 —	EXISTING MAJOR CONTOUR
— 5279 —	EXISTING MINOR CONTOUR
- - - - -	PHASE BOUNDARY
	REINFORCED CHECK DAM
	CONCRETE WASHOUT AREA
	DIVERSION DITCH
	INLET PROTECTION
	ROCK SOCK
	SEDIMENT BASIN
	SEDIMENT CONTROL LOG
	SEEDING
	SILT FENCE
	STABILIZED STAGING AREA
	SEDIMENT TRAP
	TEMPORARY STREAM CROSSING
	VEHICLE TRACKING CONTROL

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PIKE SOLAR
EL PASO COUNTY, COLORADO
GRADING & EROSION CONTROL PLANS
INTERIM (5 OF 24)

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SHEET	31 OF 78

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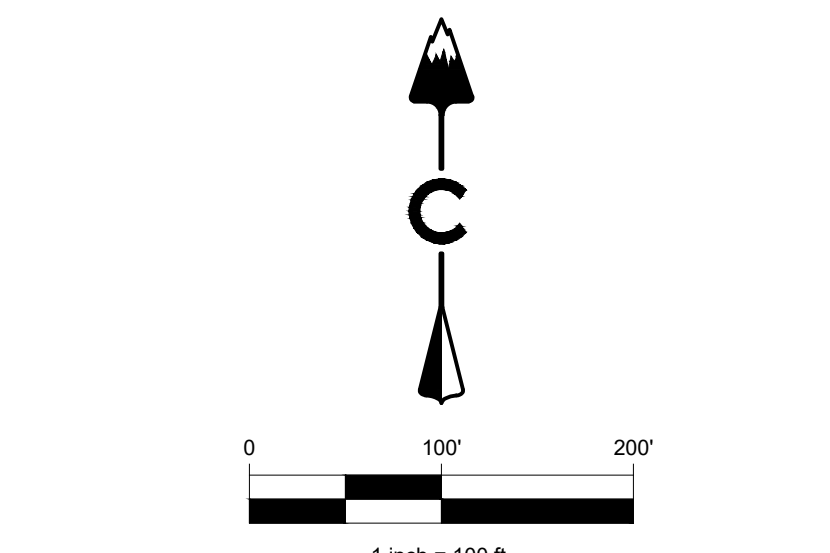
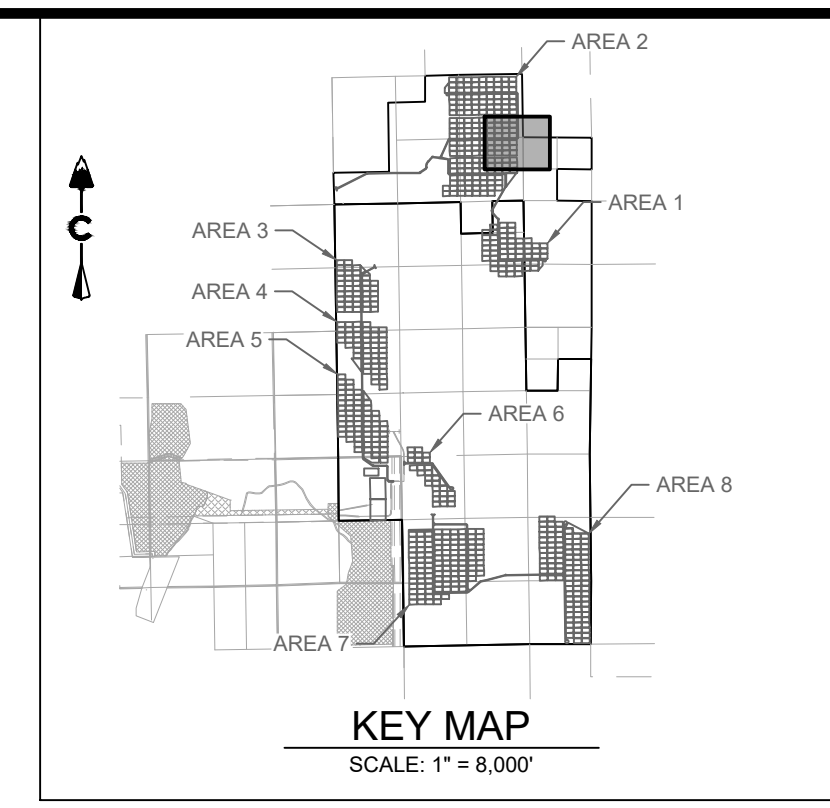
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MATCH LINE SHEET 30



MATCH LINE SHEET 31

MATCH LINE SHEET 34



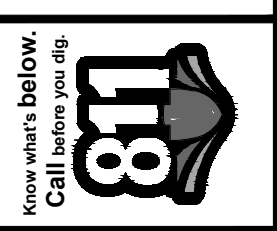
LEGEND

— 5280 —	PROPOSED MAJOR CONTOUR
— 5279 —	PROPOSED MINOR CONTOUR
- - - 5280 - - -	EXISTING MAJOR CONTOUR
- - - 5279 - - -	EXISTING MINOR CONTOUR
- - - - -	PHASE BOUNDARY
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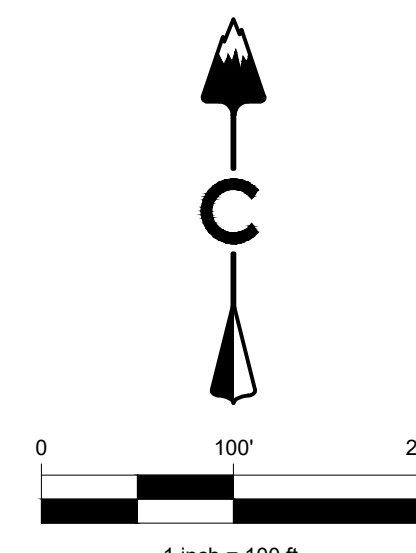
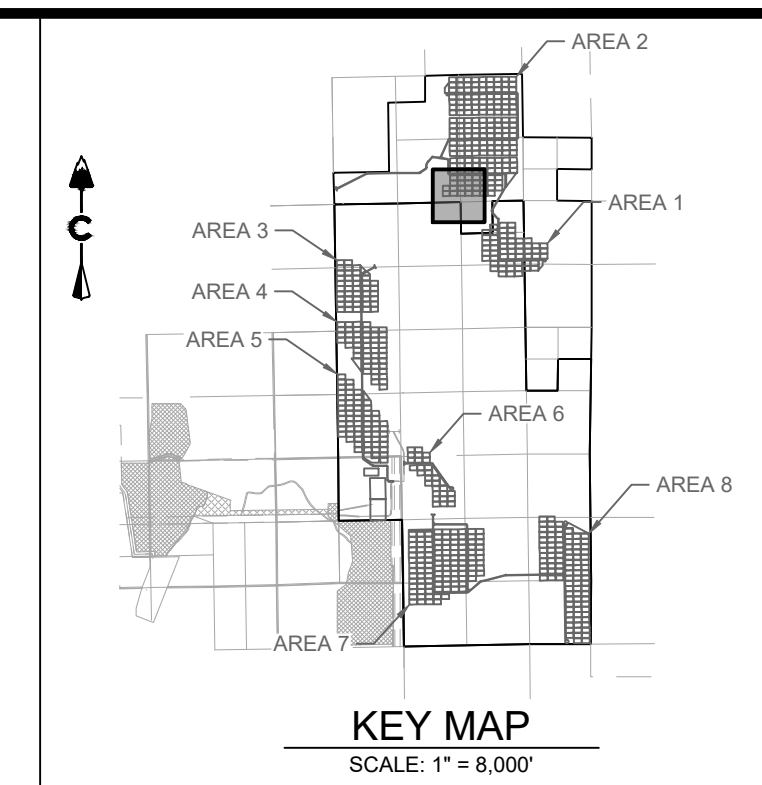
DATE	BY	DESCRIPTION
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04/07/21	DB	2ND SUBMITTAL
10/20/21	RS	3RD SUBMITTAL

PIKE SOLAR
 EL PASO COUNTY, COLORADO
 GRADING & EROSION CONTROL PLANS
 INTERIM (6 OF 24)

NOT FOR CONSTRUCTION

DESIGNED BY: BB
 DRAWN BY: SD
 CHECKED BY: DB

JOB NO.
20-194
 SHEET
32 OF 78



LEGEND

5280	PROPOSED MAJOR CONTOUR
5279	PROPOSED MINOR CONTOUR
5280	EXISTING MAJOR CONTOUR
5279	EXISTING MINOR CONTOUR
- - - - -	PHASE BOUNDARY
[Symbol]	RCR REINFORCED CHECK DAM
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04/07/21	DB	2 BID SET
10/20/21	RS	3 2ND SUBMITTAL

PIKE SOLAR
EL PASO COUNTY, COLORADO
GRADING & EROSION CONTROL PLANS
INTERIM (7 OF 24)

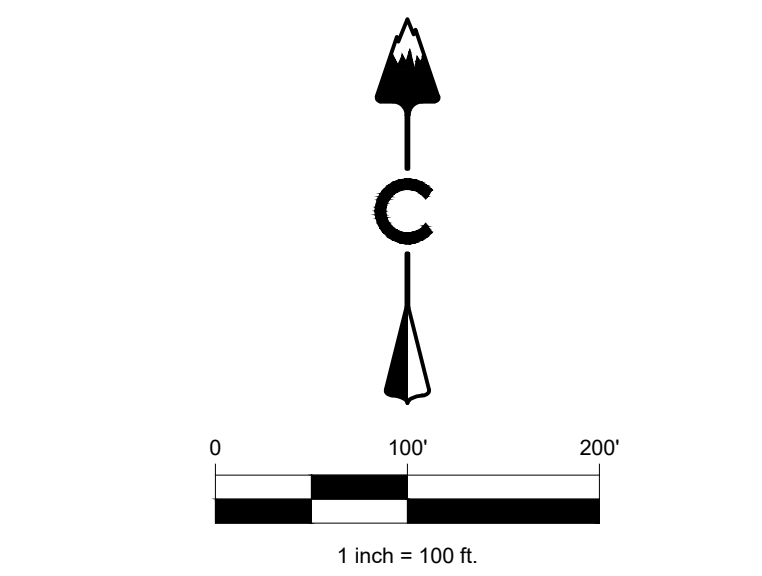
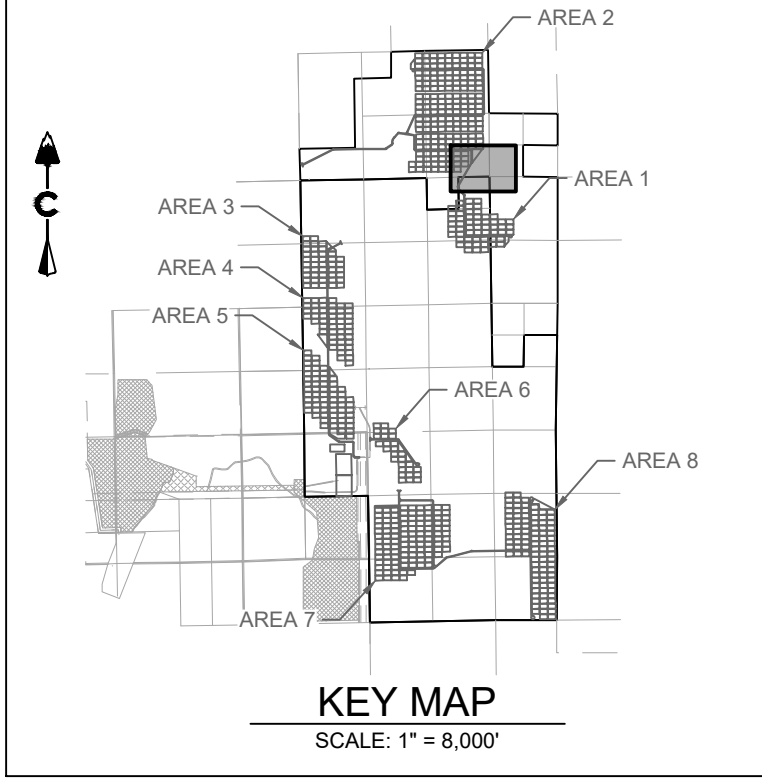
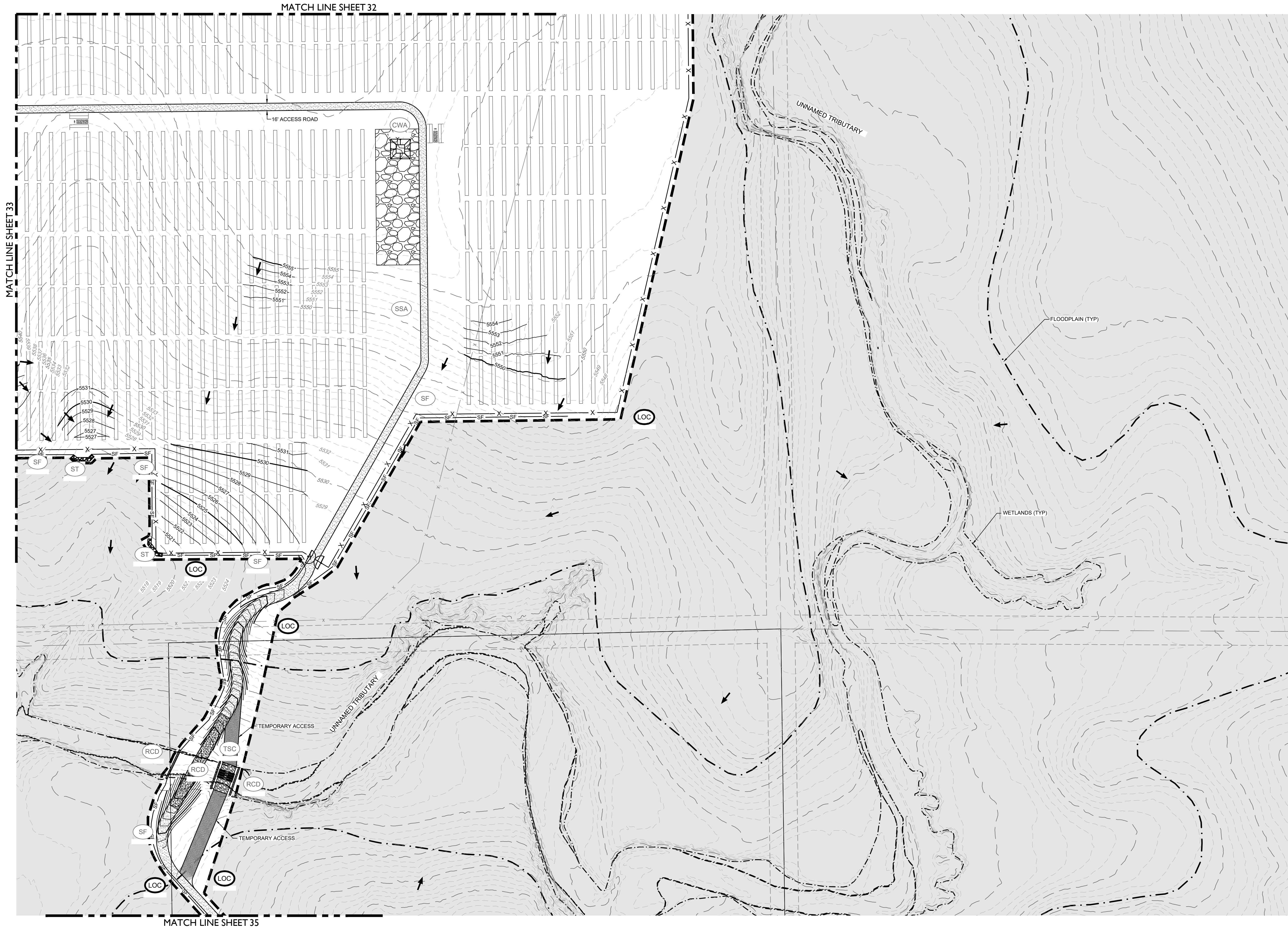
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20-194

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33 OF 78

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LEGEND

— 5280 —	PROPOSED MAJOR CONTOUR
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- - - - -	PHASE BOUNDARY
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[Symbol]	(VTC) VEHICLE TRACKING CONTROL

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 - SEE SHEETS 74-75 FOR EROSION CONTROL DETAILS.
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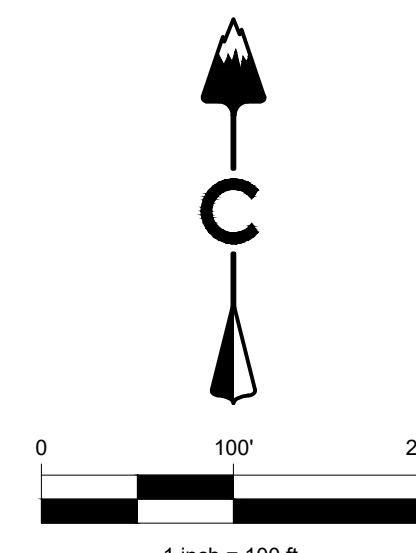
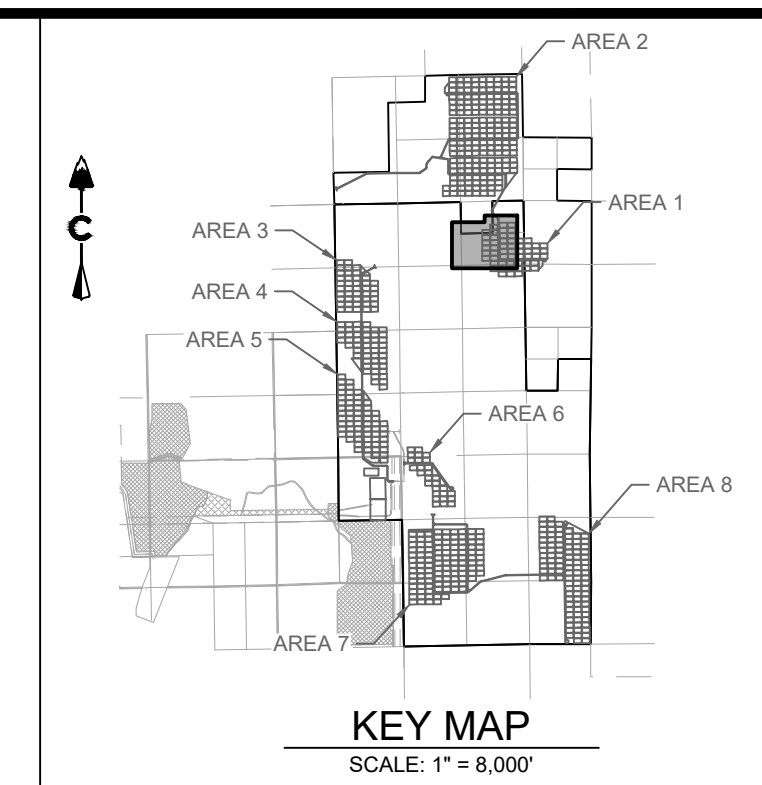
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2	BID SET	04/07/21	DB	
3	2ND SUBMITTAL	10/20/21	RR	

PIKE SOLAR
 EL PASO COUNTY, COLORADO
 GRADING & EROSION CONTROL PLANS
 INTERIM (8 OF 24)

NOT FOR CONSTRUCTION

DESIGNED BY: BB
 DRAWN BY: SD
 CHECKED BY: DB

JOB NO.
20-194
 SHEET
34 OF 78



LEGEND

— 5280	PROPOSED MAJOR CONTOUR
— 5279	PROPOSED MINOR CONTOUR
— 5280	EXISTING MAJOR CONTOUR
— 5279	EXISTING MINOR CONTOUR
- - - - -	PHASE BOUNDARY
[Symbol]	(RCD) REINFORCED CHECK DAM
[Symbol]	(CWA) CONCRETE WASHOUT AREA
[Symbol]	(DD) DIVERSION DITCH
[Symbol]	(IP) INLET PROTECTION
[Symbol]	(RC) ROCK SOCK
[Symbol]	(SB) SEDIMENT BASIN
[Symbol]	(SCL) SEDIMENT CONTROL LOG
[Symbol]	(SM) SEEDING
[Symbol]	(SF) SILT FENCE
[Symbol]	(SSA) STABILIZED STAGING AREA
[Symbol]	(ST) SEDIMENT TRAP
[Symbol]	(TSC) TEMPORARY STREAM CROSSING
[Symbol]	(VTC) VEHICLE TRACKING CONTROL

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PIKE SOLAR
EL PASO COUNTY, COLORADO
GRADING & EROSION CONTROL PLANS
INTERIM (9 OF 24)

#	REVISION DESCRIPTION	DATE	BY
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2	BID SET	04/07/21	DB
3	2ND SUBMITTAL	10/20/21	RS

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JOB NO.
20-194

SHEET
35 OF 78

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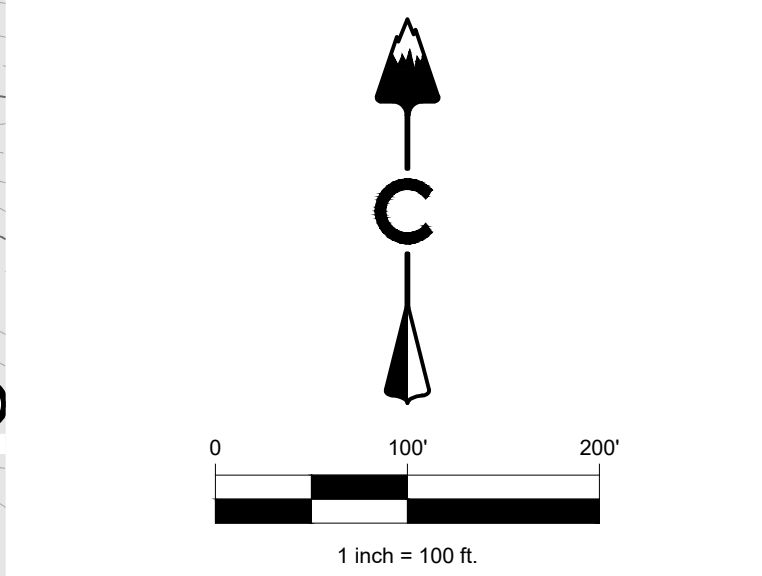
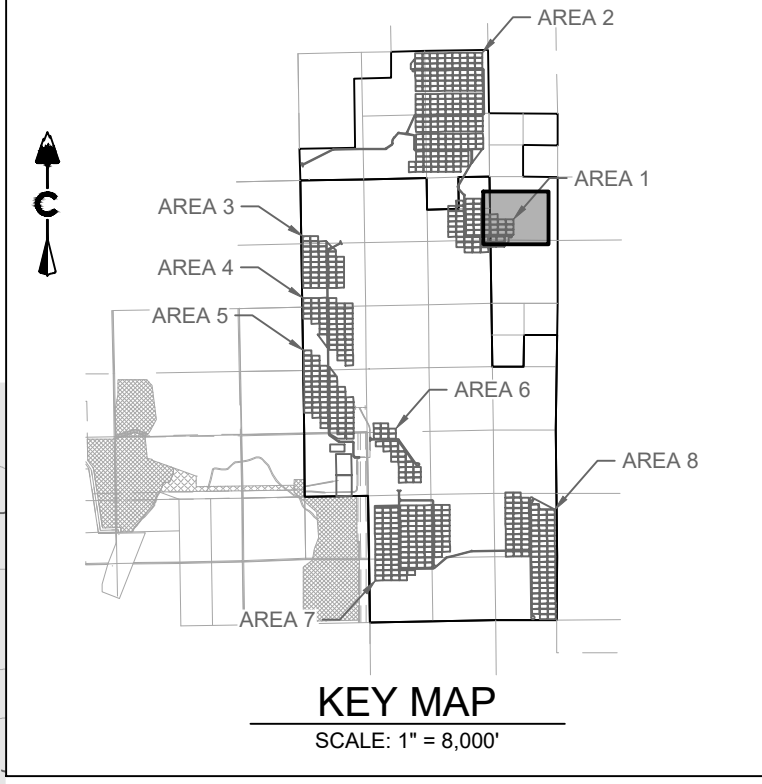
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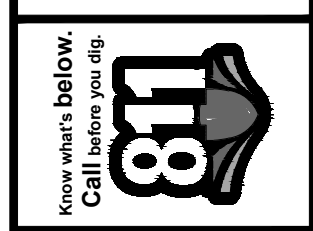
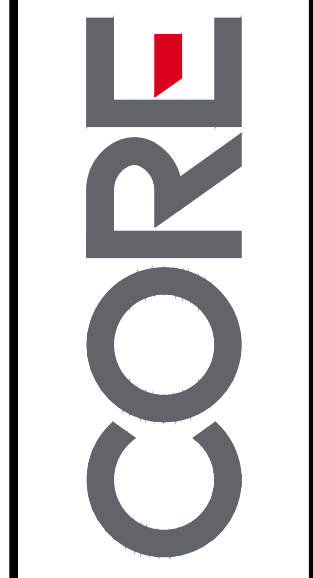


LEGEND

	5280	PROPOSED MAJOR CONTOUR
	5279	PROPOSED MINOR CONTOUR
	5280	EXISTING MAJOR CONTOUR
	5279	EXISTING MINOR CONTOUR
		PHASE BOUNDARY
	(RCD)	REINFORCED CHECK DAM
	(CWA)	CONCRETE WASHOUT AREA
	(DD)	DIVERSION DITCH
	(IP)	INLET PROTECTION
	(RC)	ROCK SOCK
	(SB)	SEDIMENT BASIN
	(SCL)	SEDIMENT CONTROL LOG
	(SM)	SEEDING
	(SF)	SILT FENCE
	(SSA)	STABILIZED STAGING AREA
	(ST)	SEDIMENT TRAP
	(TSC)	TEMPORARY STREAM CROSSING
	(VTC)	VEHICLE TRACKING CONTROL

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3	2ND SUBMITTAL	10/20/21	RR

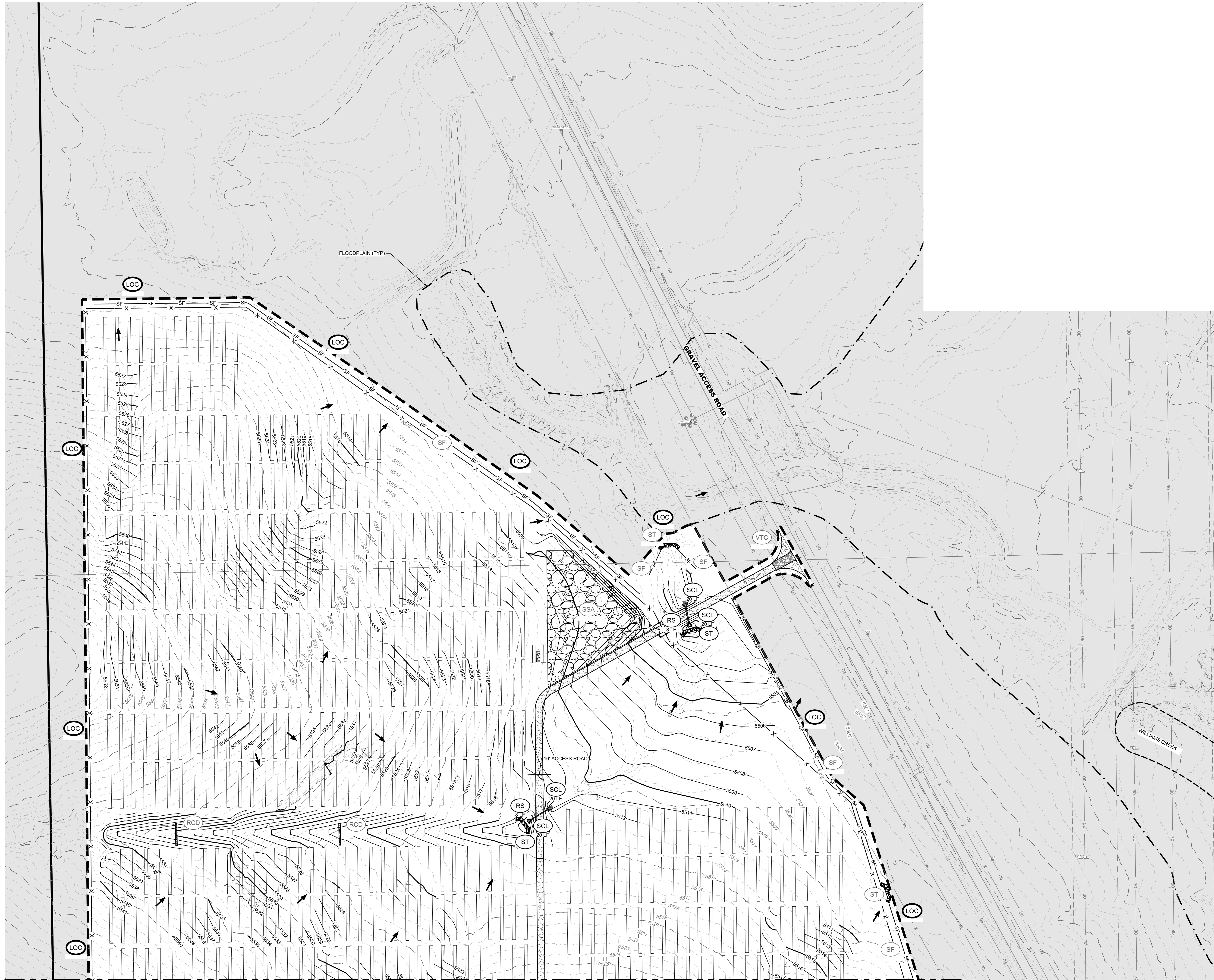
PIKE SOLAR
 EL PASO COUNTY, COLORADO
 GRADING & EROSION CONTROL PLANS
 INTERIM (10 OF 24)

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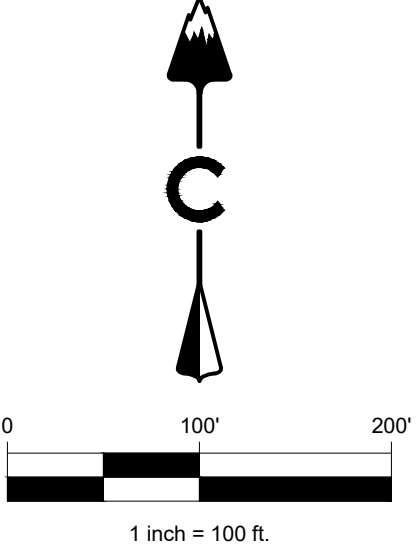
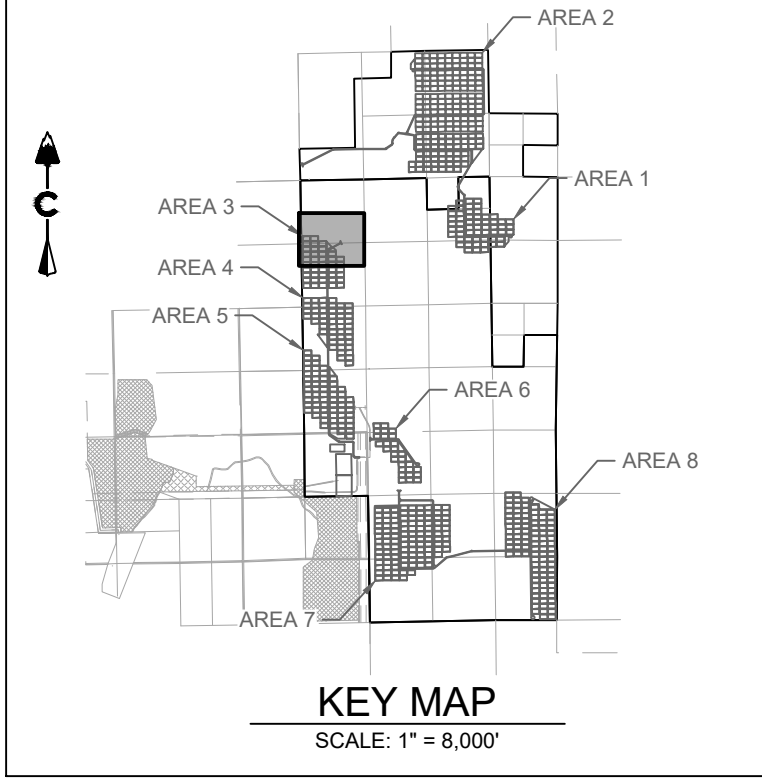
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JOB NO.
20-194
 SHEET
36 OF 78

10/16/2021 11:33 AM X:\25-184 PIKE SOLAR\CIVIL\CAD\PLANS\FILING\10ESC\ESC PLAN 2 - INTERIM.DWG



MATCH LINE SHEET 38



LEGEND

	5280	PROPOSED MAJOR CONTOUR
	5279	PROPOSED MINOR CONTOUR
	5280	EXISTING MAJOR CONTOUR
	5279	EXISTING MINOR CONTOUR
		PHASE BOUNDARY
	RCD	REINFORCED CHECK DAM
	CWA	CONCRETE WASHOUT AREA
	DD	DIVERSION DITCH
	IP	INLET PROTECTION
	RS	ROCK SOCK
	SB	SEDIMENT BASIN
	SCL	SEDIMENT CONTROL LOG
	SM	SEEDING
	SF	SILT FENCE
	SSA	STABILIZED STAGING AREA
	ST	SEDIMENT TRAP
	TSC	TEMPORARY STREAM CROSSING
	VTC	VEHICLE TRACKING CONTROL

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DATE	BY	DESCRIPTION
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04/07/21	DB	2ND SUBMITTAL
10/20/21	RS	3RD SUBMITTAL

PIKE SOLAR
 EL PASO COUNTY, COLORADO
 GRADING & EROSION CONTROL PLANS
 INTERIM (11 OF 24)

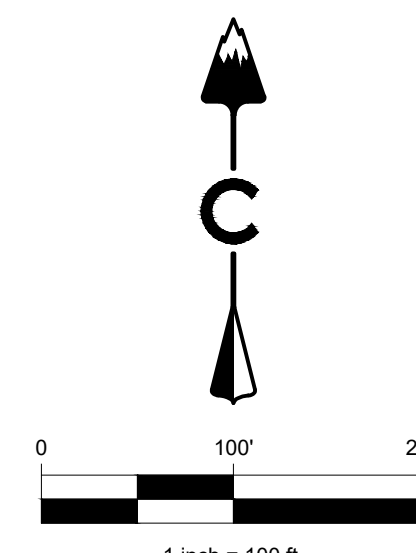
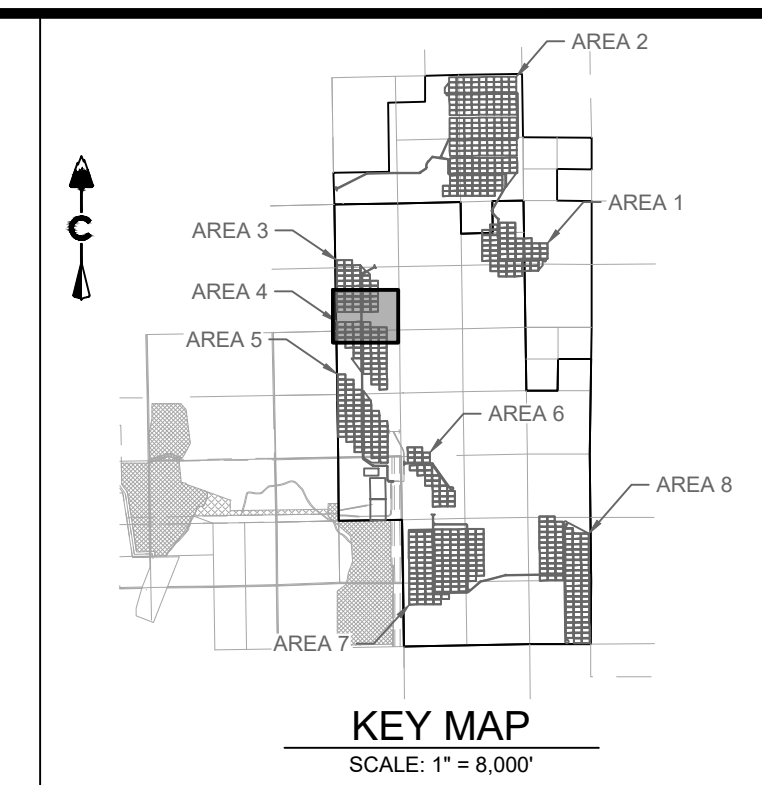
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 CHECKED BY: DB
 JOB NO. 20-194
 SHEET 37 OF 78

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MATCH LINE SHEET 37

MATCH LINE SHEET 39



LEGEND

5280	PROPOSED MAJOR CONTOUR
5279	PROPOSED MINOR CONTOUR
5280	EXISTING MAJOR CONTOUR
5279	EXISTING MINOR CONTOUR
- - - - -	PHASE BOUNDARY
[Symbol]	RCR REINFORCED CHECK DAM
[Symbol]	CWA CONCRETE WASHOUT AREA
[Symbol]	DD DIVERSION DITCH
[Symbol]	IP INLET PROTECTION
[Symbol]	RS ROCK SOCK
[Symbol]	SB SEDIMENT BASIN
[Symbol]	SCL SEDIMENT CONTROL LOG
[Symbol]	SM SEEDING
[Symbol]	SF SILT FENCE
[Symbol]	SSA STABILIZED STAGING AREA
[Symbol]	ST SEDIMENT TRAP
[Symbol]	TSC TEMPORARY STREAM CROSSING
[Symbol]	VTC VEHICLE TRACKING CONTROL

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10/20/21	RS	3 2ND SUBMITTAL

PIKE SOLAR
EL PASO COUNTY, COLORADO
GRADING & EROSION CONTROL PLANS
INTERIM (12 OF 24)

DESIGNED BY: BB
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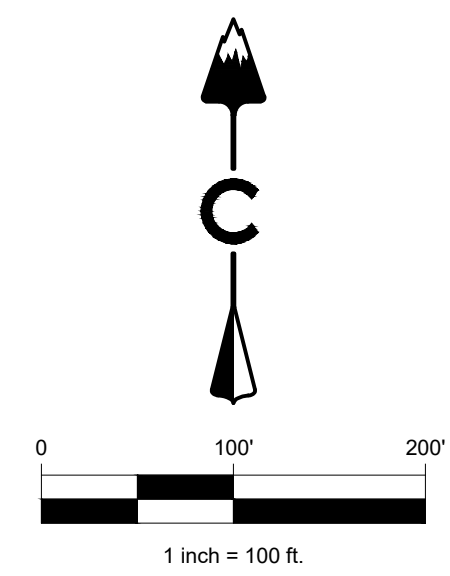
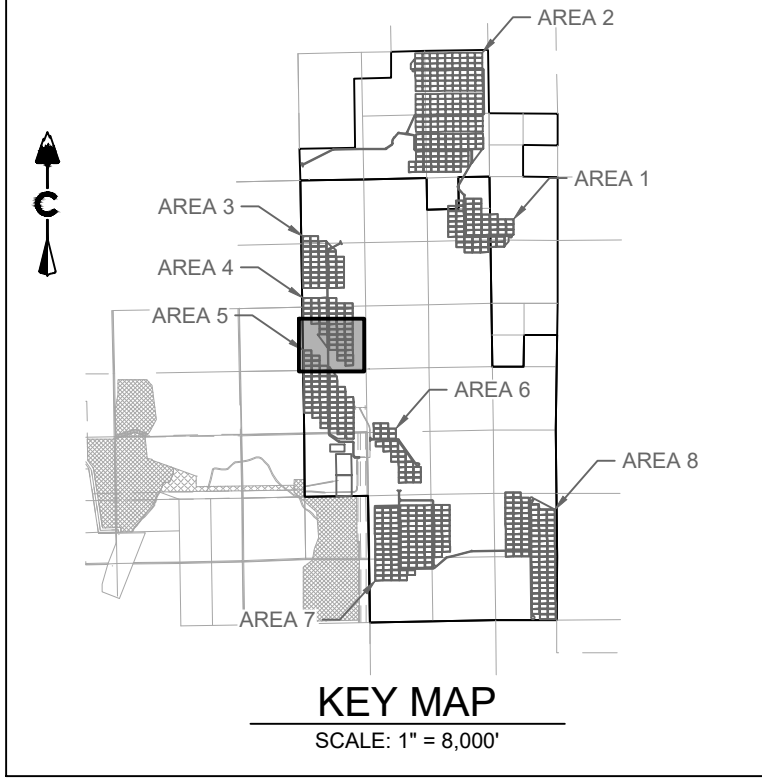
JOB NO.
20-194

SHEET
38 OF 78

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MATCH LINE SHEET 38

MATCH LINE SHEET 40



LEGEND

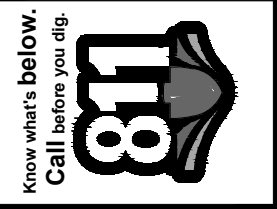
5280	PROPOSED MAJOR CONTOUR
5279	PROPOSED MINOR CONTOUR
5280	EXISTING MAJOR CONTOUR
5279	EXISTING MINOR CONTOUR
---	PHASE BOUNDARY
[Symbol]	RCD REINFORCED CHECK DAM
[Symbol]	CWA CONCRETE WASHOUT AREA
[Symbol]	DD DIVERSION DITCH
[Symbol]	IP INLET PROTECTION
[Symbol]	RS ROCK SOCK
[Symbol]	SB SEDIMENT BASIN
[Symbol]	SCL SEDIMENT CONTROL LOG
[Symbol]	SM SEEDING
[Symbol]	SF SILT FENCE
[Symbol]	SSA STABILIZED STAGING AREA
[Symbol]	ST SEDIMENT TRAP
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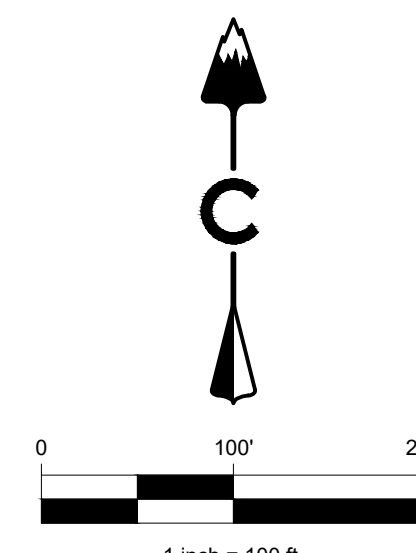
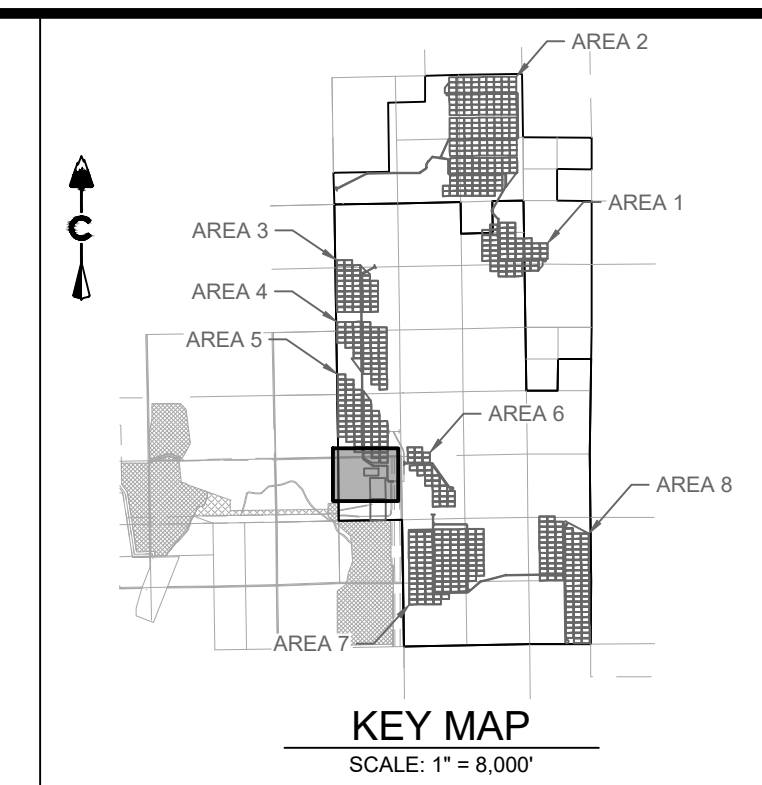
PIKE SOLAR
 EL PASO COUNTY, COLORADO
 GRADING & EROSION CONTROL PLANS
 INTERIM (13 OF 24)

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JOB NO.
20-194
 SHEET
39 OF 78

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LEGEND

5280	PROPOSED MAJOR CONTOUR
5279	PROPOSED MINOR CONTOUR
5280	EXISTING MAJOR CONTOUR
5279	EXISTING MINOR CONTOUR
- - - - -	PHASE BOUNDARY
[Symbol]	RCD REINFORCED CHECK DAM
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EL PASO COUNTY, COLORADO
GRADING & EROSION CONTROL PLANS
INTERIM (14 OF 24)

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40 OF 78

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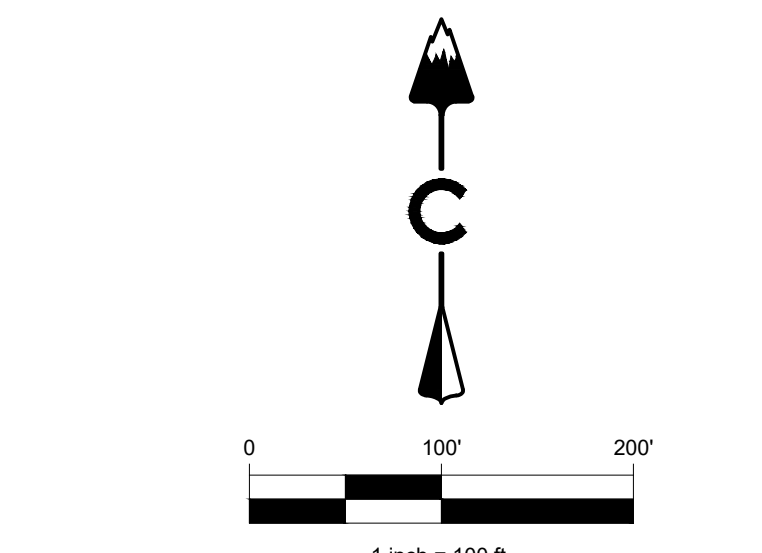
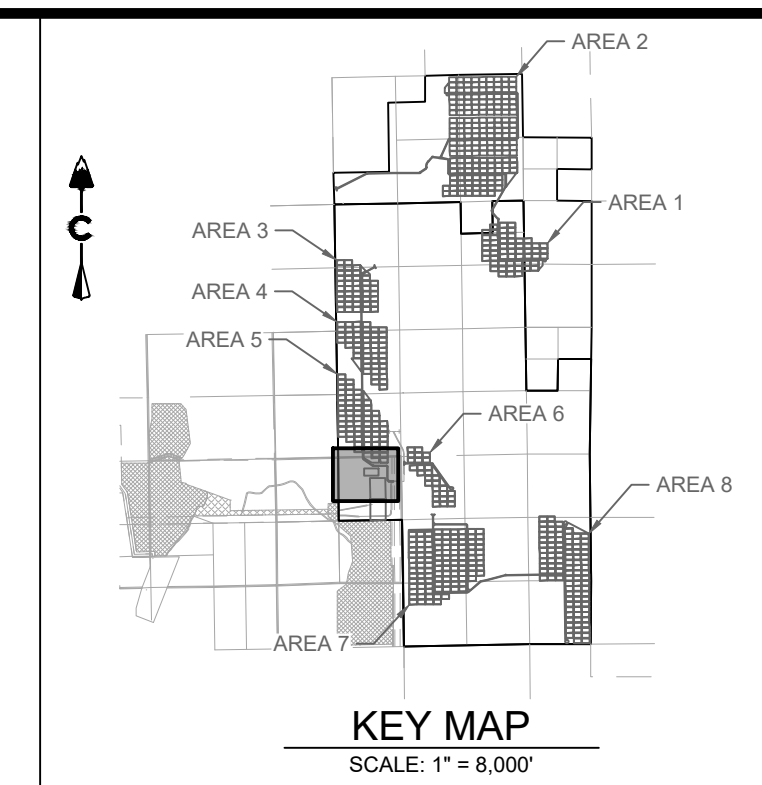
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LEGEND

— 5280	PROPOSED MAJOR CONTOUR
— 5279	PROPOSED MINOR CONTOUR
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EL PASO COUNTY, COLORADO
GRADING & EROSION CONTROL PLANS
 INTERIM (15 OF 24)

DESIGNED BY: **BB**
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JOB NO.
20-194

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41 OF 78

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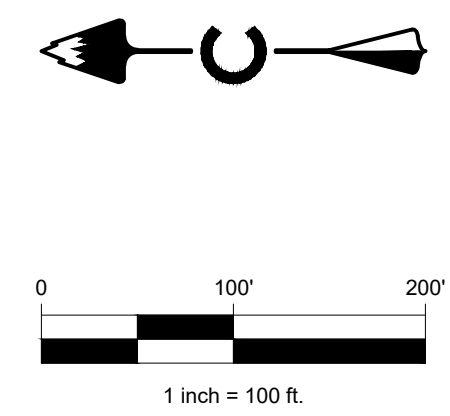
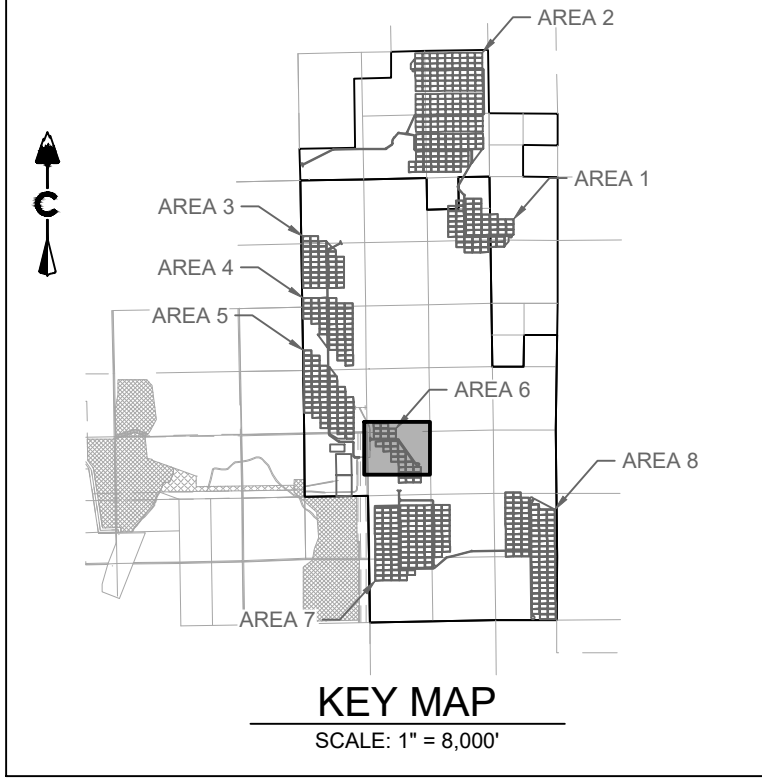
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LEGEND

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		REINFORCED CHECK DAM
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		SEDIMENT BASIN
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 - SEE SHEETS 74-75 FOR EROSION CONTROL DETAILS.
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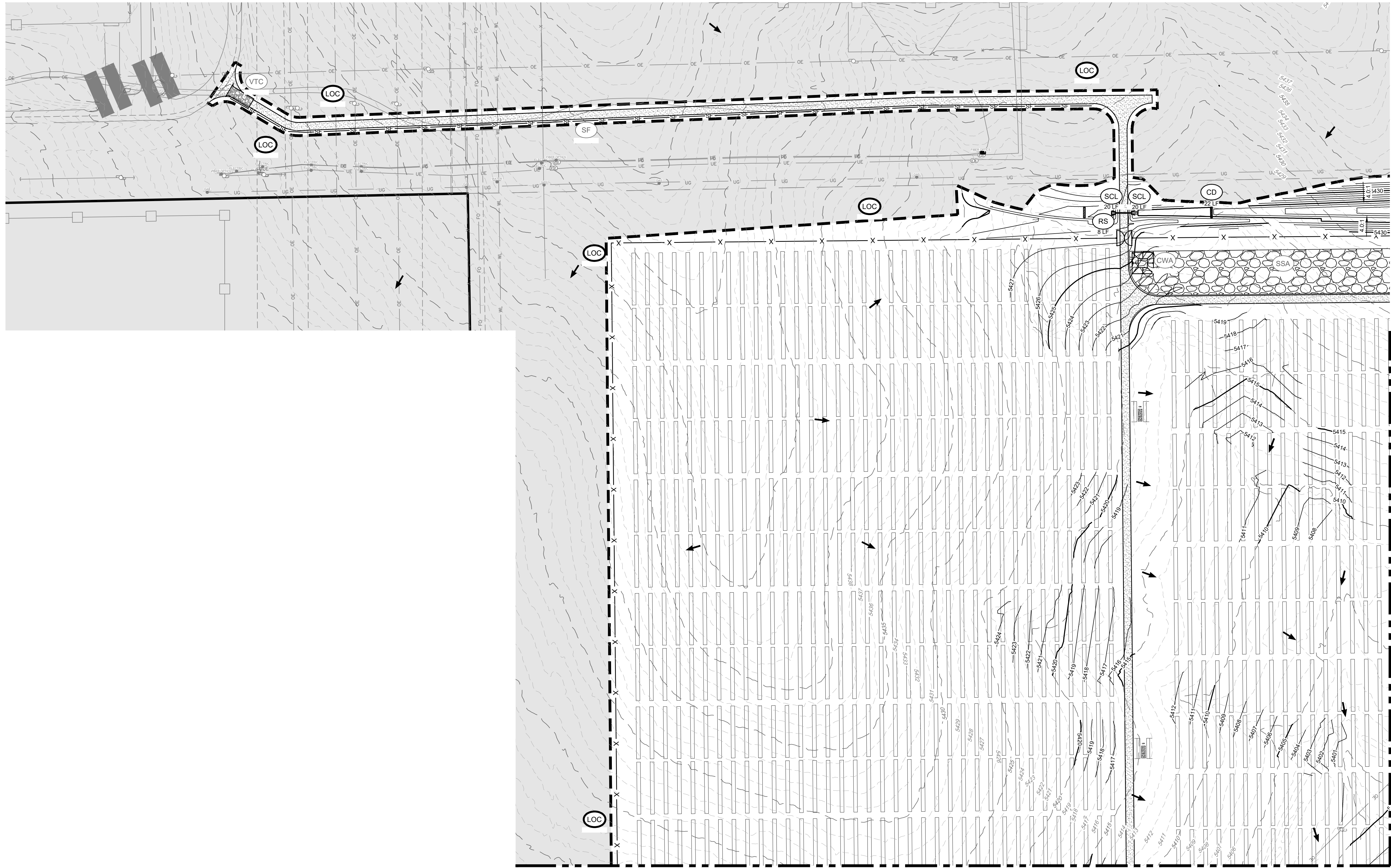
PIKE SOLAR
 EL PASO COUNTY, COLORADO
 GRADING & EROSION CONTROL PLANS
 INTERIM (16 OF 24)

NOT FOR CONSTRUCTION

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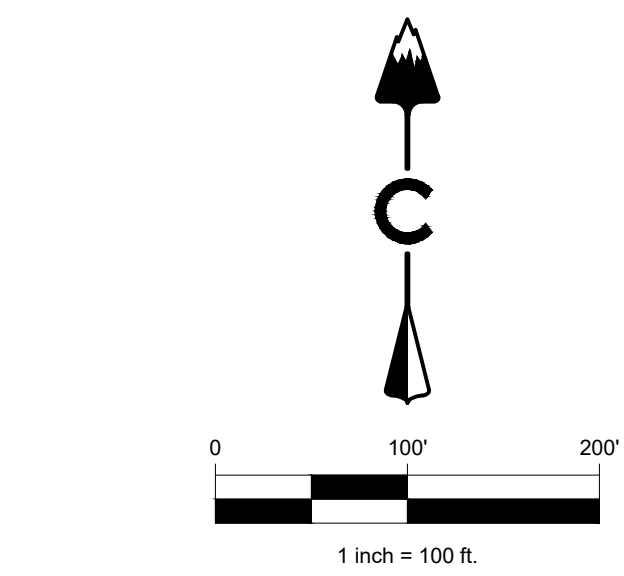
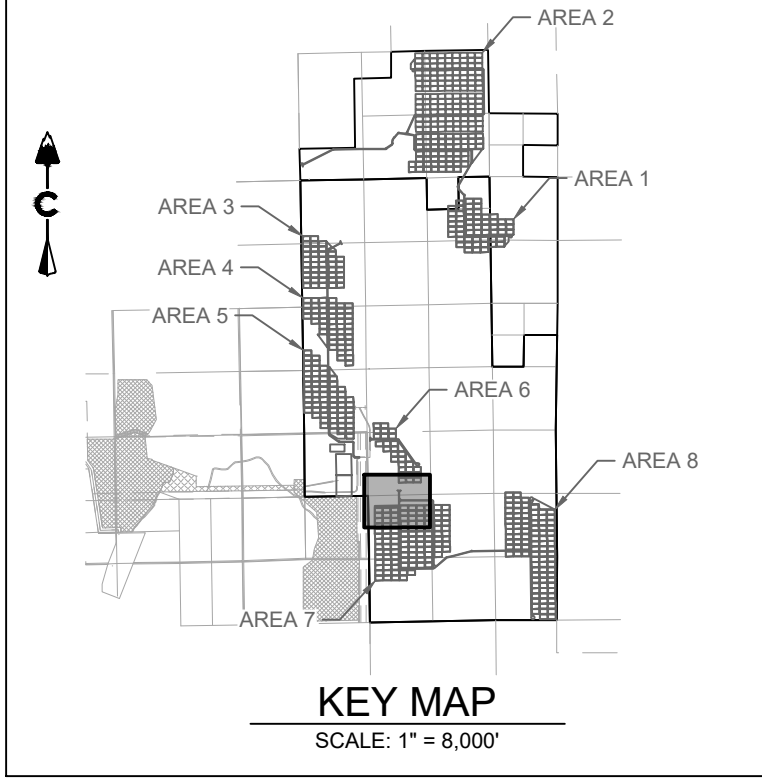
JOB NO.
 20-194
 SHEET
 42 OF 78

MATCH LINE SHEET 43



MATCH LINE SHEET 45

MATCH LINE SHEET 44



LEGEND

	5280	PROPOSED MAJOR CONTOUR
	5279	PROPOSED MINOR CONTOUR
	5280	EXISTING MAJOR CONTOUR
	5279	EXISTING MINOR CONTOUR
		PHASE BOUNDARY
	(RCD)	REINFORCED CHECK DAM
	(CWA)	CONCRETE WASHOUT AREA
	(DD)	DIVERSION DITCH
	(IP)	INLET PROTECTION
	(RC)	ROCK SOCK
	(SB)	SEDIMENT BASIN
	(SCL)	SEDIMENT CONTROL LOG
	(SM)	SEEDING
	(SF)	SILT FENCE
	(SSA)	STABILIZED STAGING AREA
	(ST)	SEDIMENT TRAP
	(TSC)	TEMPORARY STREAM CROSSING
	(VTC)	VEHICLE TRACKING CONTROL

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 INTERIM (17 OF 24)

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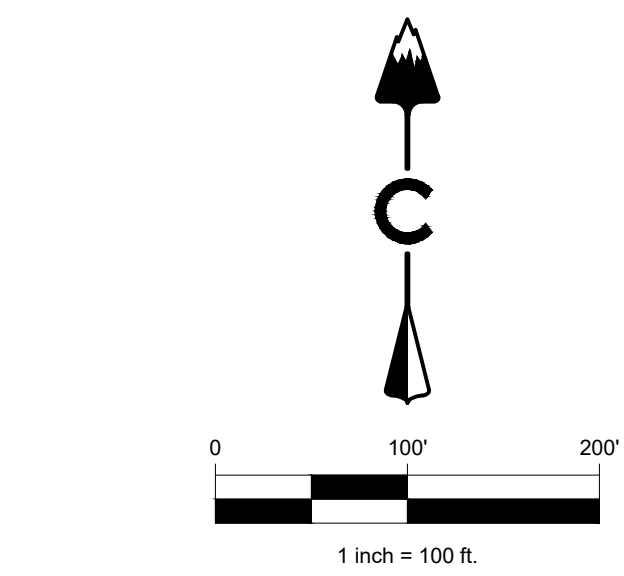
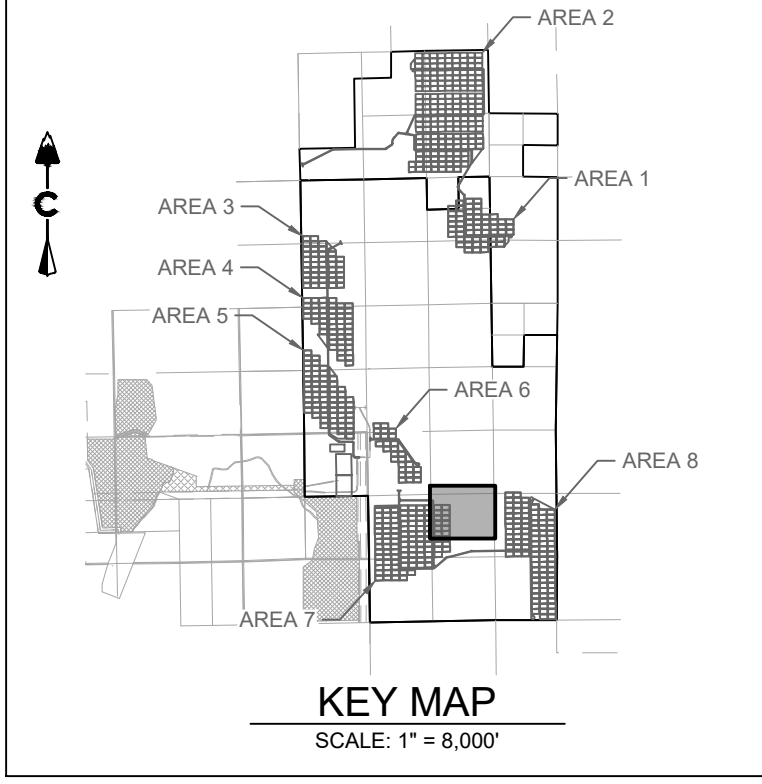
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JOB NO.
 20-194
 SHEET
 43 OF 78



MATCH LINE SHEET 43

MATCH LINE SHEET 46



LEGEND

	5280	PROPOSED MAJOR CONTOUR
	5279	PROPOSED MINOR CONTOUR
	5280	EXISTING MAJOR CONTOUR
	5279	EXISTING MINOR CONTOUR
		PHASE BOUNDARY
	RC	REINFORCED CHECK DAM
	CWA	CONCRETE WASHOUT AREA
	DD	DIVERSION DITCH
	IP	INLET PROTECTION
	RC	ROCK SOCK
	SB	SEDIMENT BASIN
	SCL	SEDIMENT CONTROL LOG
	SM	SEEDING
	SF	SILT FENCE
	SSA	STABILIZED STAGING AREA
	ST	SEDIMENT TRAP
	TSC	TEMPORARY STREAM CROSSING
	VTC	VEHICLE TRACKING CONTROL

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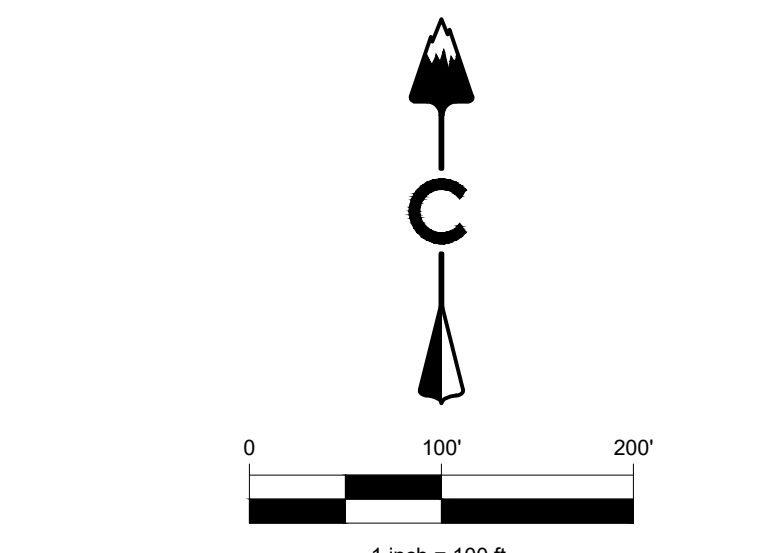
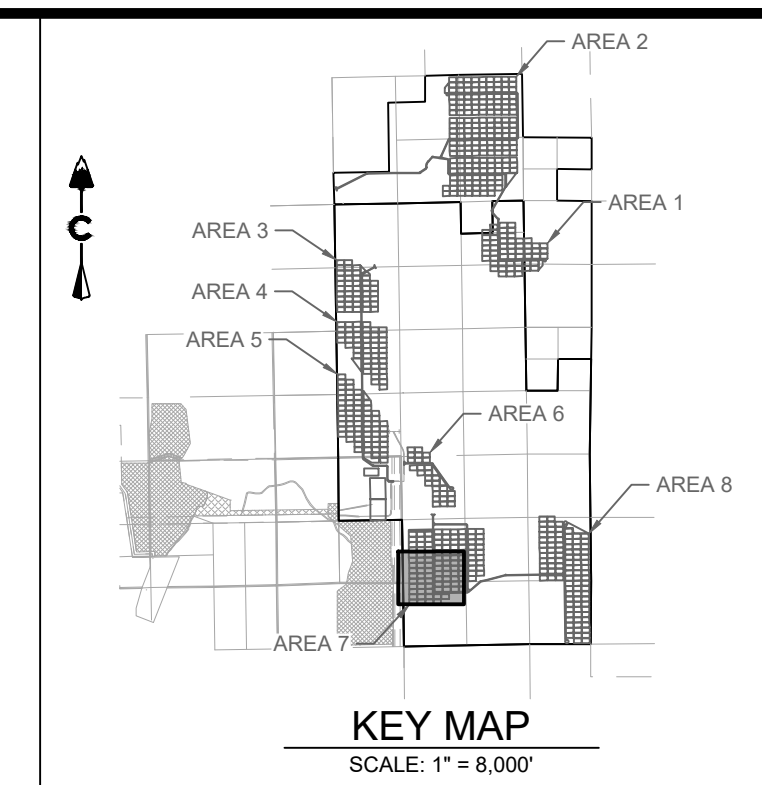
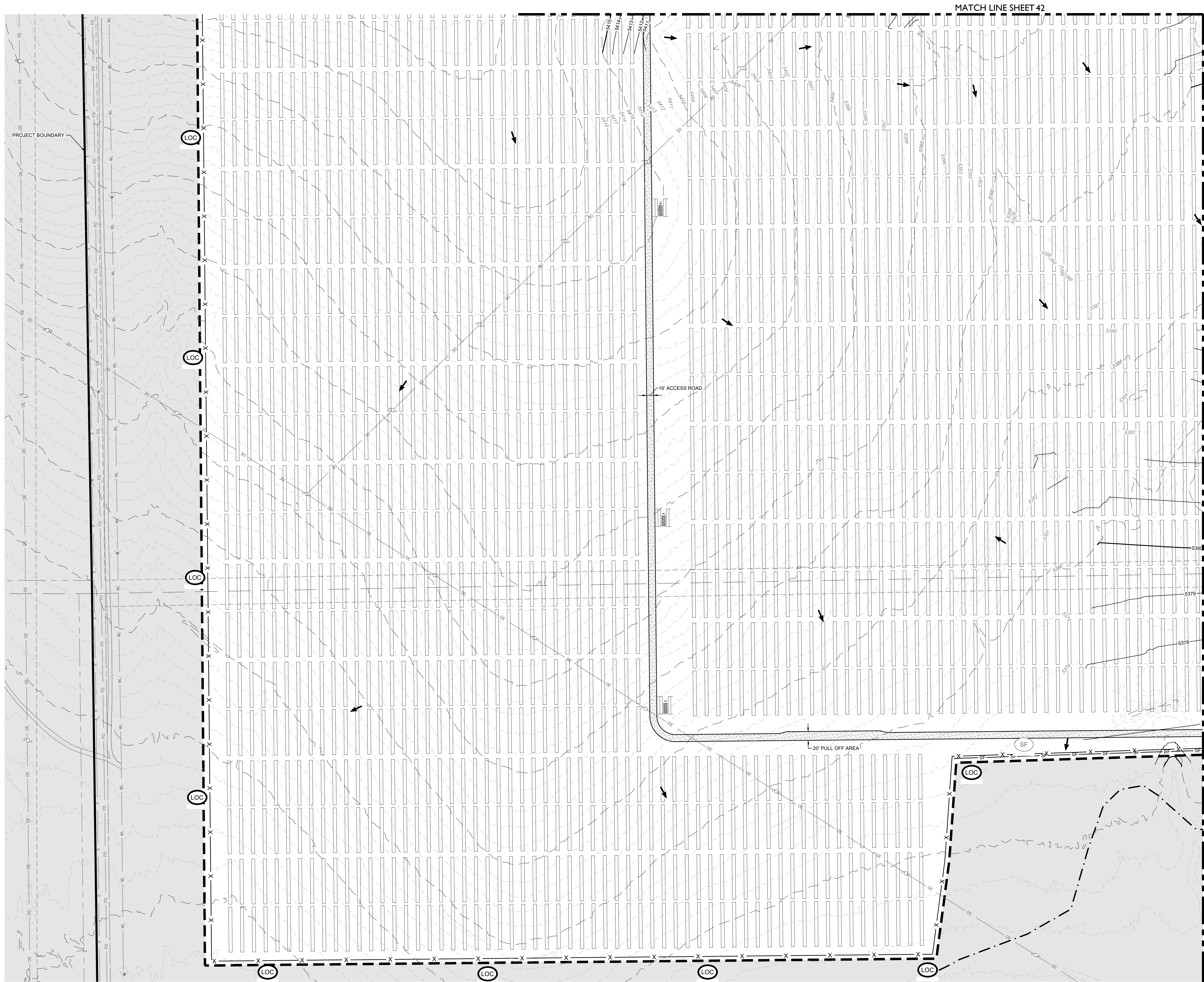
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PIKE SOLAR
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 GRADING & EROSION CONTROL PLANS
 INTERIM (18 OF 24)

NOT FOR CONSTRUCTION

DESIGNED BY: BB
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JOB NO.
 20-194
 SHEET
 44 OF 78



LEGEND

	5280	PROPOSED MAJOR CONTOUR
	5279	PROPOSED MINOR CONTOUR
	5280	EXISTING MAJOR CONTOUR
	5279	EXISTING MINOR CONTOUR
		PHASE BOUNDARY
	RCD	REINFORCED CHECK DAM
	CWA	CONCRETE WASHOUT AREA
	DD	DIVERSION DITCH
	IP	INLET PROTECTION
	RS	ROCK SOCK
	SB	SEDIMENT BASIN
	SCL	SEDIMENT CONTROL LOG
	SM	SEEDING
	SF	SILT FENCE
	SSA	STABILIZED STAGING AREA
	ST	SEDIMENT TRAP
	TSC	TEMPORARY STREAM CROSSING
	VTC	VEHICLE TRACKING CONTROL

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 EL PASO COUNTY, COLORADO
 GRADING & EROSION CONTROL PLANS
 INTERIM (19 OF 24)

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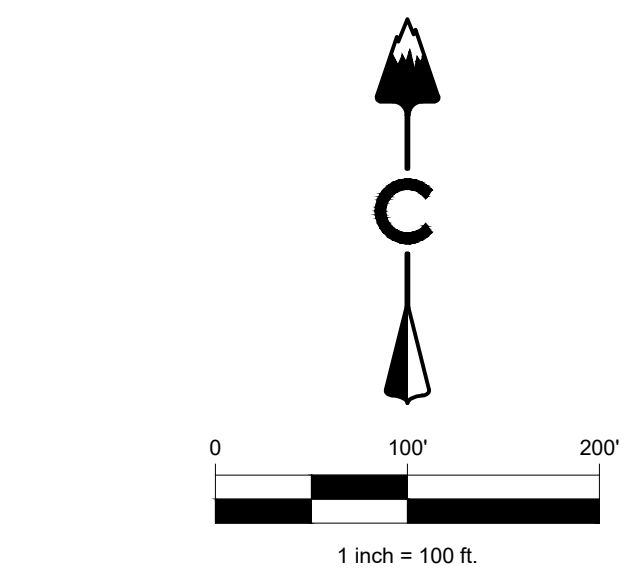
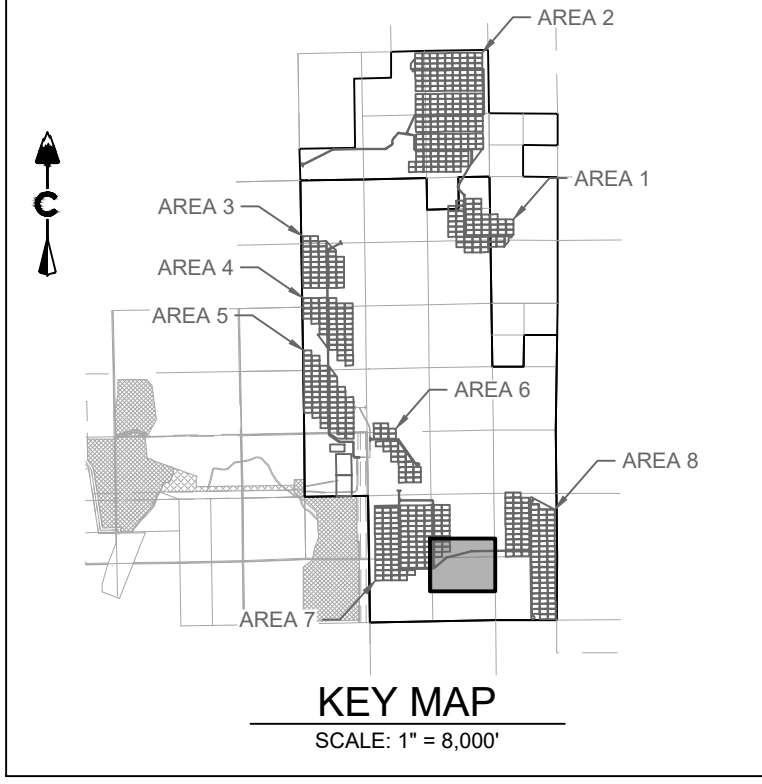
SHEET
 45 OF 78

NOT FOR CONSTRUCTION

MATCH LINE SHEET 45

MATCH LINE SHEET 44

MATCH LINE SHEET 47



LEGEND

5280	PROPOSED MAJOR CONTOUR
5279	PROPOSED MINOR CONTOUR
5280	EXISTING MAJOR CONTOUR
5279	EXISTING MINOR CONTOUR
- - - -	PHASE BOUNDARY
[Symbol]	RCD REINFORCED CHECK DAM
[Symbol]	CWA CONCRETE WASHOUT AREA
[Symbol]	DD DIVERSION DITCH
[Symbol]	IP INLET PROTECTION
[Symbol]	RS ROCK SOCK
[Symbol]	SB SEDIMENT BASIN
[Symbol]	SCL SEDIMENT CONTROL LOG
[Symbol]	SM SEEDING
[Symbol]	SF SILT FENCE
[Symbol]	SSA STABILIZED STAGING AREA
[Symbol]	ST SEDIMENT TRAP
[Symbol]	TSC TEMPORARY STREAM CROSSING
[Symbol]	VTC VEHICLE TRACKING CONTROL

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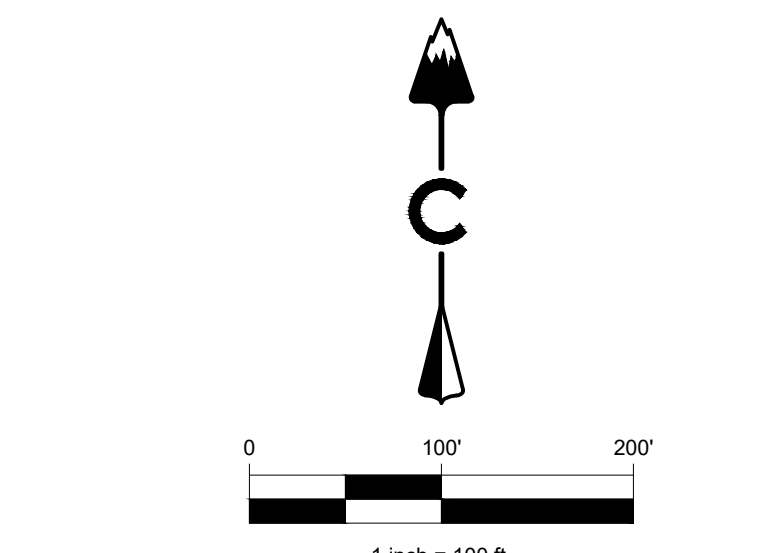
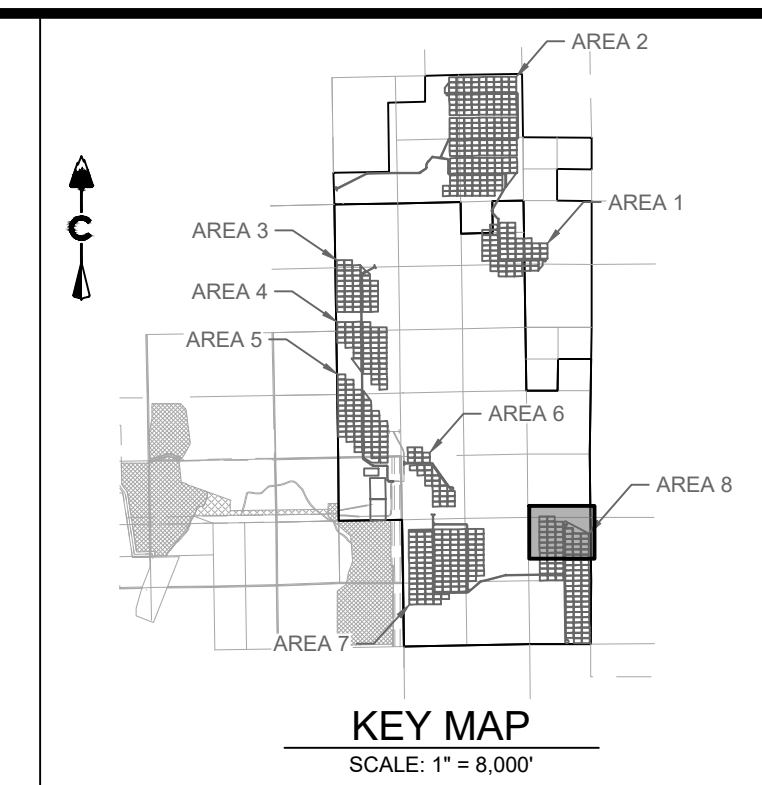
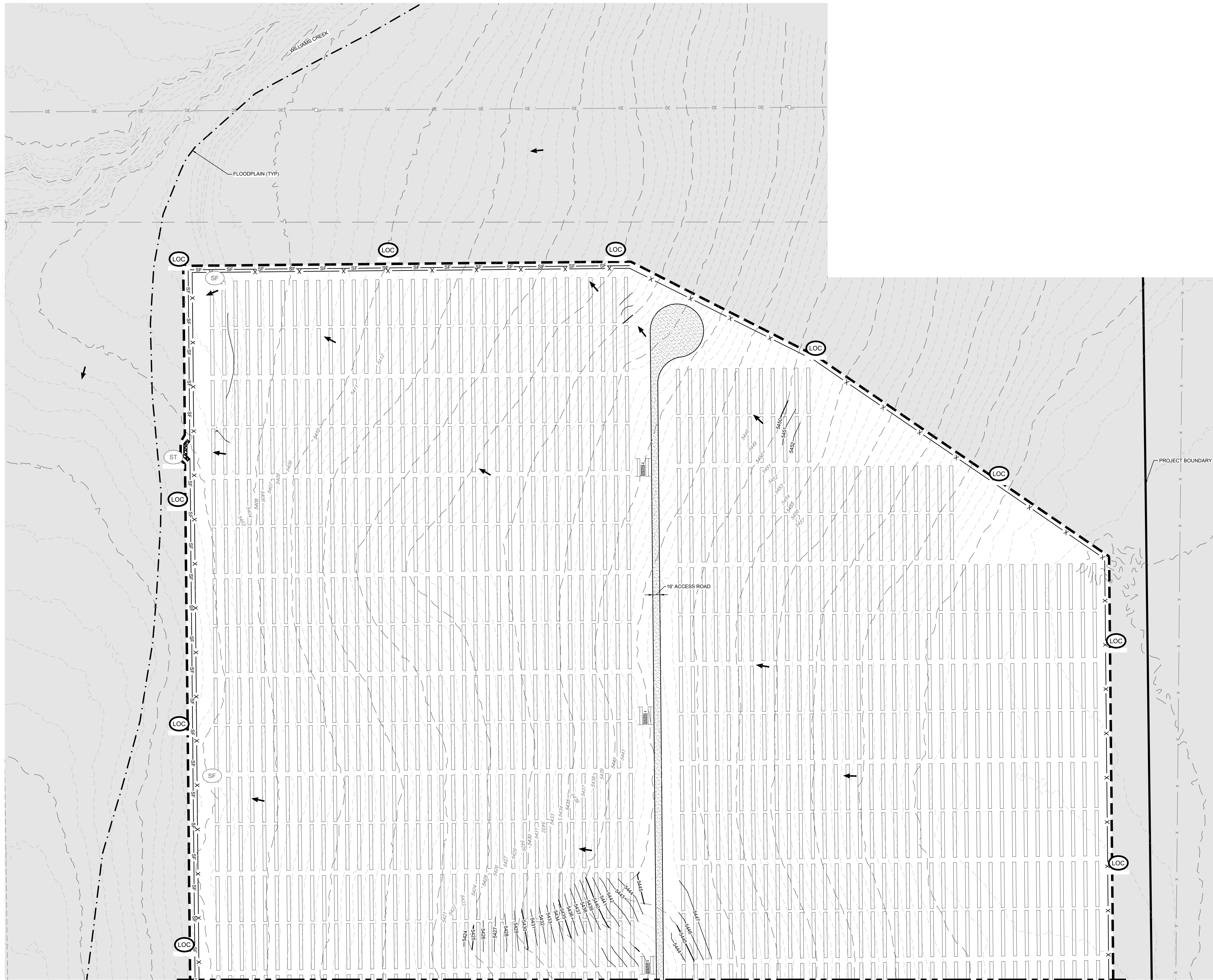
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EL PASO COUNTY, COLORADO
GRADING & EROSION CONTROL PLANS
INTERIM (20 OF 24)

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JOB NO.
20-194

SHEET
46 OF 78



LEGEND

— 5280	PROPOSED MAJOR CONTOUR
— 5279	PROPOSED MINOR CONTOUR
- - - 5280	EXISTING MAJOR CONTOUR
- - - 5279	EXISTING MINOR CONTOUR
- - - - -	PHASE BOUNDARY
[Symbol]	(RCD) REINFORCED CHECK DAM
[Symbol]	(CWA) CONCRETE WASHOUT AREA
[Symbol]	(DD) DIVERSION DITCH
[Symbol]	(IP) INLET PROTECTION
[Symbol]	(RC) ROCK SOCK
[Symbol]	(SB) SEDIMENT BASIN
[Symbol]	(SCL) SEDIMENT CONTROL LOG
[Symbol]	(SM) SEEDING
[Symbol]	(SF) SILT FENCE
[Symbol]	(SSA) STABILIZED STAGING AREA
[Symbol]	(ST) SEDIMENT TRAP
[Symbol]	(TSC) TEMPORARY STREAM CROSSING
[Symbol]	(VTC) VEHICLE TRACKING CONTROL

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 EL PASO COUNTY, COLORADO
 GRADING & EROSION CONTROL PLANS
 INTERIM (21 OF 24)

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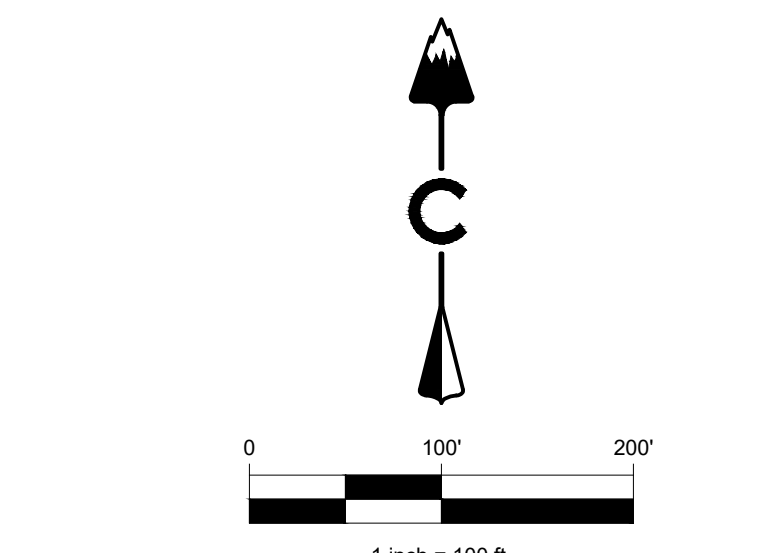
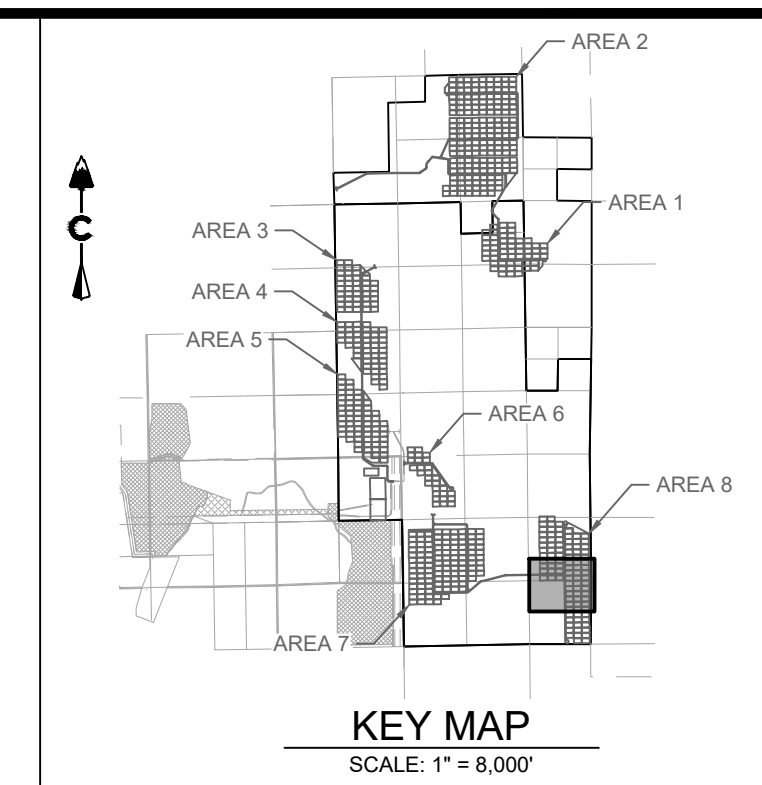
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LAND DEVELOPMENT
 ENERGY
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CORE

MATCH LINE SHEET 47



LEGEND

	5280	PROPOSED MAJOR CONTOUR
	5279	PROPOSED MINOR CONTOUR
	5280	EXISTING MAJOR CONTOUR
	5279	EXISTING MINOR CONTOUR
		PHASE BOUNDARY
	(RCD)	REINFORCED CHECK DAM
	(CWA)	CONCRETE WASHOUT AREA
	(DD)	DIVERSION DITCH
	(IP)	INLET PROTECTION
	(RS)	ROCK SOCK
	(SB)	SEDIMENT BASIN
	(SCL)	SEDIMENT CONTROL LOG
	(SM)	SEEDING
	(SF)	SILT FENCE
	(SSA)	STABILIZED STAGING AREA
	(ST)	SEDIMENT TRAP
	(TSC)	TEMPORARY STREAM CROSSING
	(VTC)	VEHICLE TRACKING CONTROL

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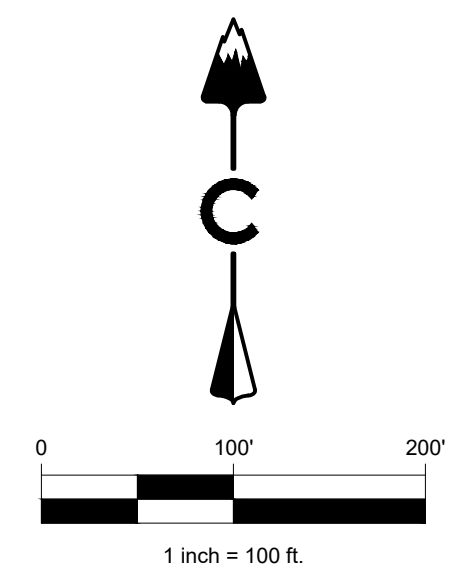
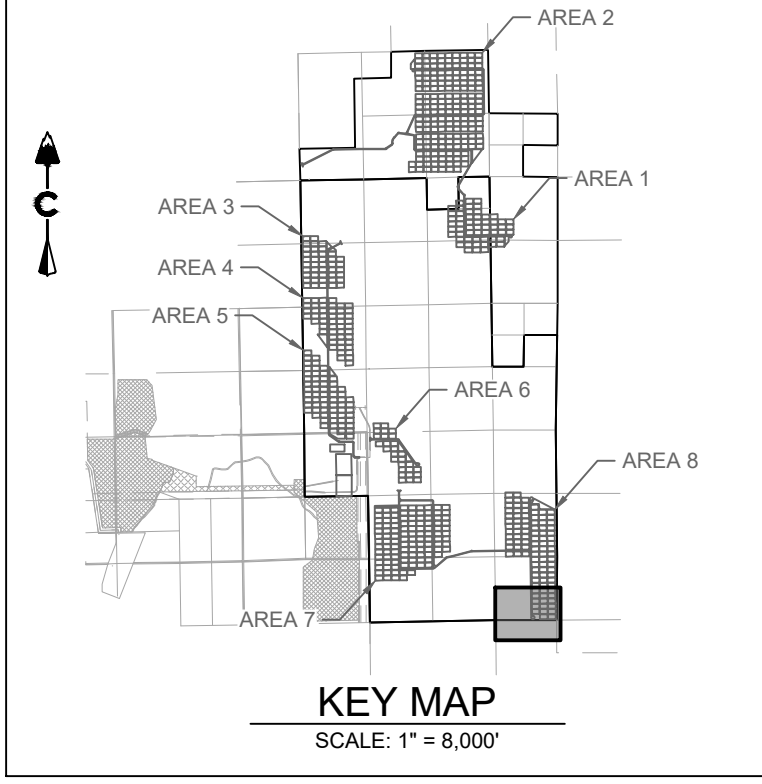
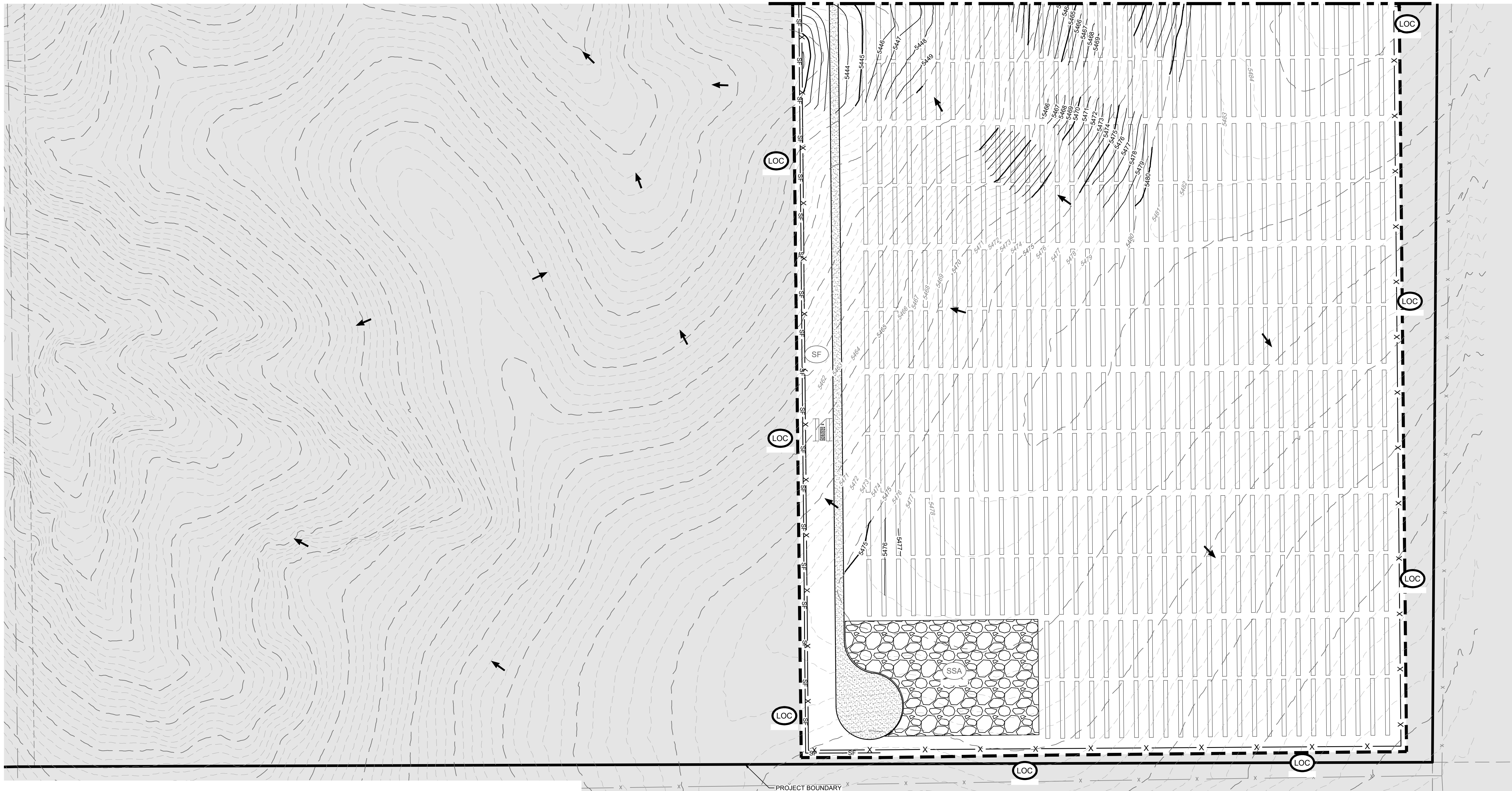
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48 OF 78

PIKE SOLAR
EL PASO COUNTY, COLORADO
GRADING & EROSION CONTROL PLANS
INTERIM (22 OF 24)

NOT FOR CONSTRUCTION

MATCH LINE SHEET 48



LEGEND

5280	PROPOSED MAJOR CONTOUR
5279	PROPOSED MINOR CONTOUR
5280	EXISTING MAJOR CONTOUR
5279	EXISTING MINOR CONTOUR
- - - - -	PHASE BOUNDARY
[Symbol]	(RCD) REINFORCED CHECK DAM
[Symbol]	(CWA) CONCRETE WASHOUT AREA
[Symbol]	(DD) DIVERSION DITCH
[Symbol]	(IP) INLET PROTECTION
[Symbol]	(RC) ROCK SOCK
[Symbol]	(SB) SEDIMENT BASIN
[Symbol]	(SCL) SEDIMENT CONTROL LOG
[Symbol]	(SM) SEEDING
[Symbol]	(SF) SILT FENCE
[Symbol]	(SSA) STABILIZED STAGING AREA
[Symbol]	(ST) SEDIMENT TRAP
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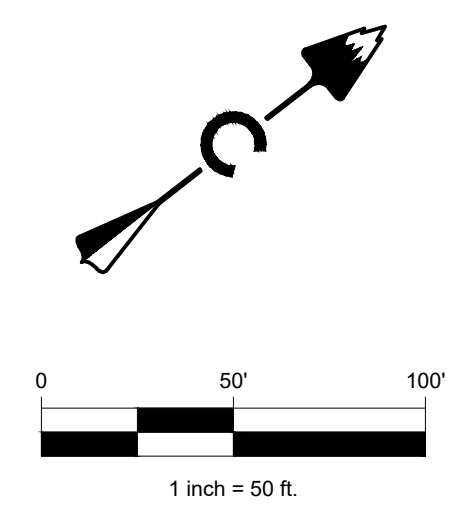
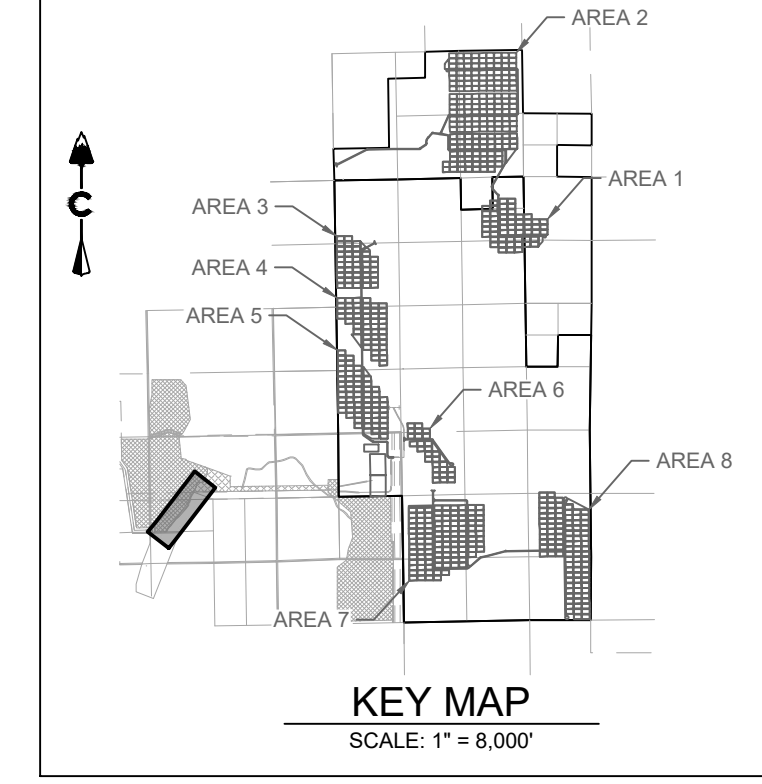
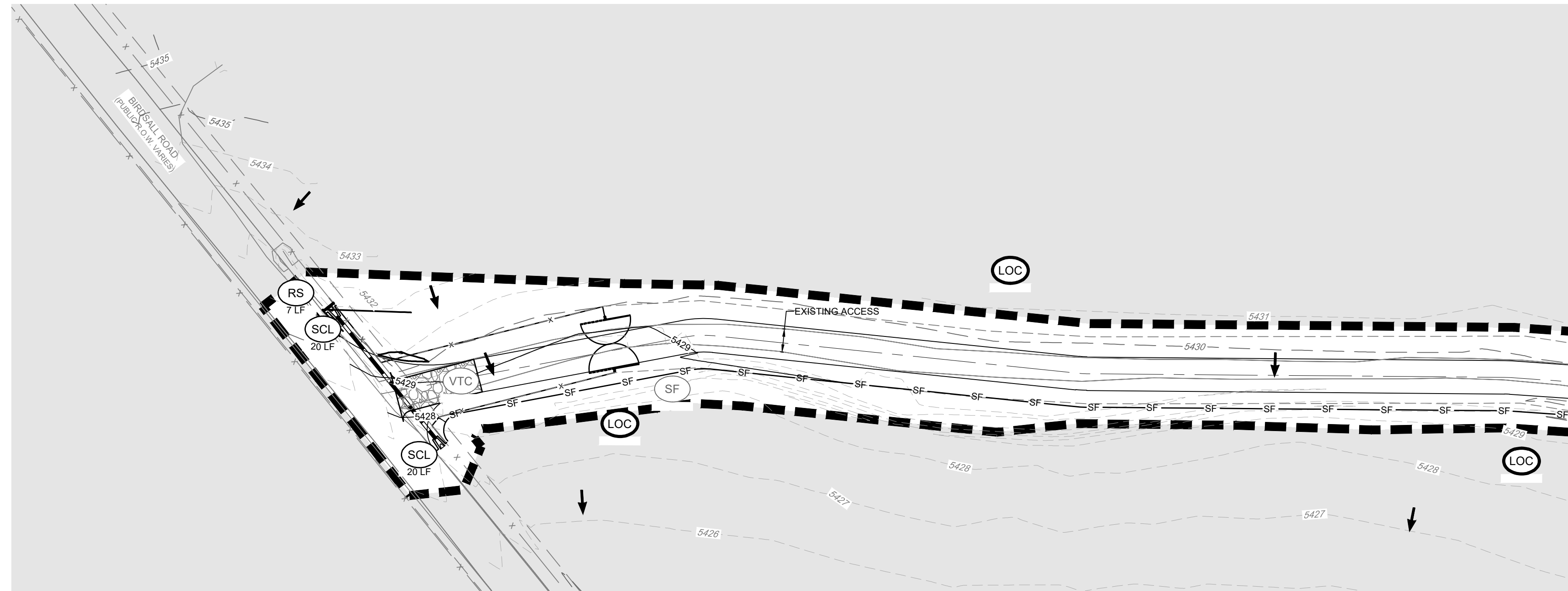
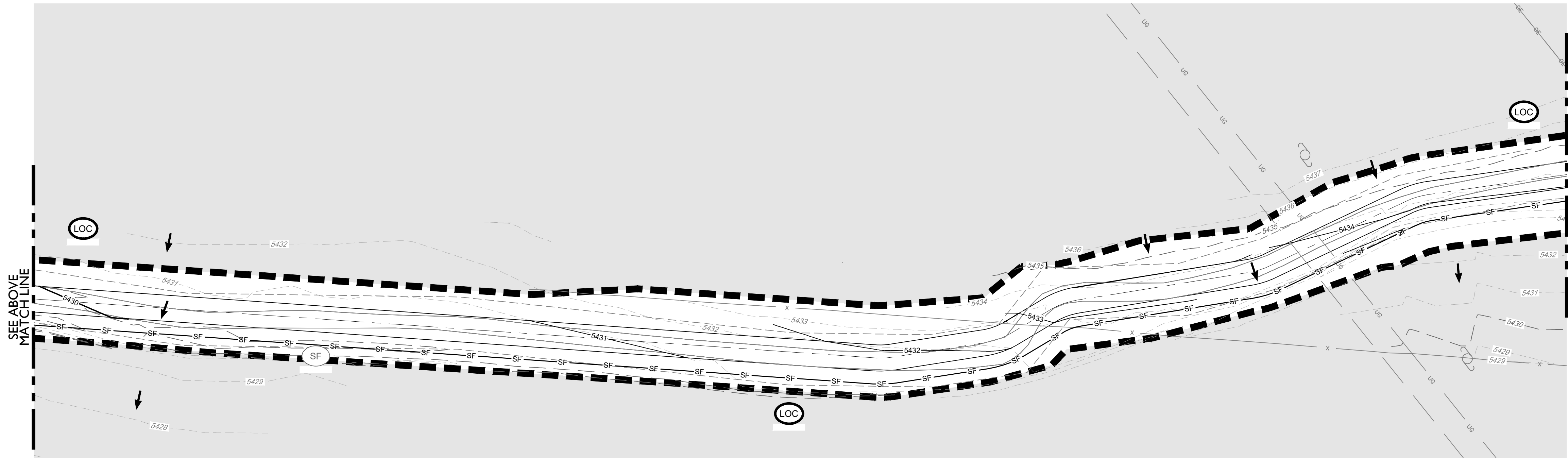
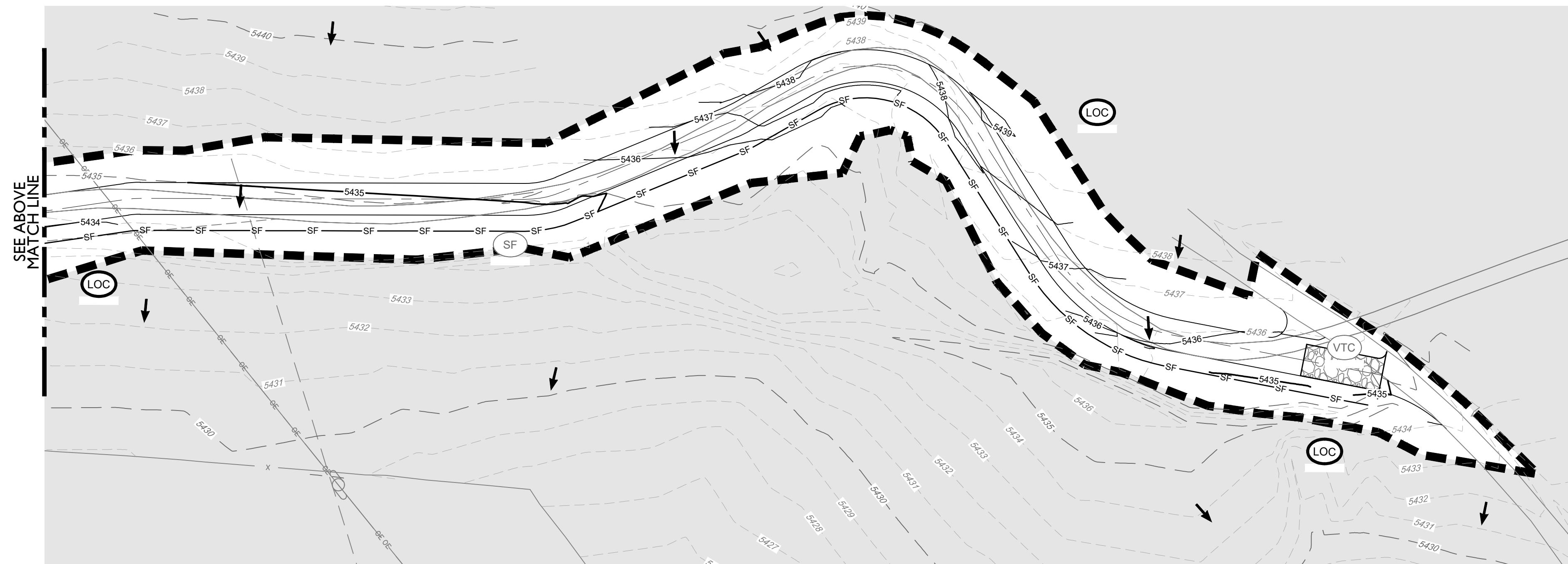
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 GRADING & EROSION CONTROL PLANS
 INTERIM (23 OF 24)

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 20-194
 SHEET
 49 OF 78

10/16/2021 10:50 AM X:\25-184 PIKE SOLAR\CIVIL\CAD\PLANS\FILING\10650GEC PLAN 4 - INTERIM.DWG



LEGEND

	5280	PROPOSED MAJOR CONTOUR
	5279	PROPOSED MINOR CONTOUR
	5280	EXISTING MAJOR CONTOUR
	5279	EXISTING MINOR CONTOUR
		PHASE BOUNDARY
	(RCI)	REINFORCED CHECK DAM
	(CWA)	CONCRETE WASHOUT AREA
	(DD)	DIVERSION DITCH
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	(VTC)	VEHICLE TRACKING CONTROL

NOTES:

1. SEE COVER SHEET FOR EL PASO COUNTY GEC STANDARD NOTES.
2. SEE SHEETS 74-75 FOR EROSION CONTROL DETAILS.
3. CONTROL MEASURES THAT WERE INSTALLED IN INITIAL STAGE TO BE SHADED AND SHALL BE LEFT IN PLACE IN INTERIM STAGE UNLESS OTHERWISE NOTED.
4. ALL INTERIM EROSION AND SEDIMENT CONTROL MEASURES INCLUDING DRILL SEEDING AND CRIMP MULCHING OF DISTURBED AREAS MUST BE INSTALLED, INSPECTED, AND APPROVED BY THE CITY PRIOR TO THE ISSUANCE OF CONSTRUCTION PERMITS.
5. SOIL COMPACTION WILL BE MINIMIZED IN AREAS THAT WILL BE REVEGETATED AT THE END OF CONSTRUCTION UNLESS INFEASIBLE. SOIL WILL BE SCARIFIED TO REMOVE EFFECTS OF COMPACTION TO THE EXTENT PRACTICABLE BEFORE RESEEDING.
6. SEE CONSTRUCTION PLANS FOR DETAILS OF PERMANENT DRAINAGE FACILITIES SUCH AS DETENTION FACILITIES, WATER QUALITY FACILITIES, CULVERTS, STORM DRAINS, AND OUTLET PROTECTION.



#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	02/25/21	DB
2	BID SET	04/07/21	DB
3	2ND SUBMITTAL	10/20/21	RS

PIKE SOLAR
EL PASO COUNTY, COLORADO
GRADING & EROSION CONTROL PLANS
 INTERIM (24 OF 24)

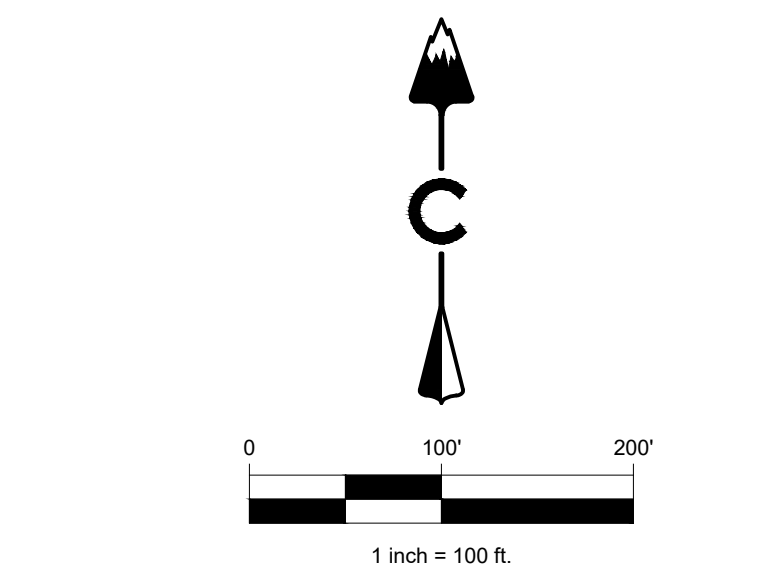
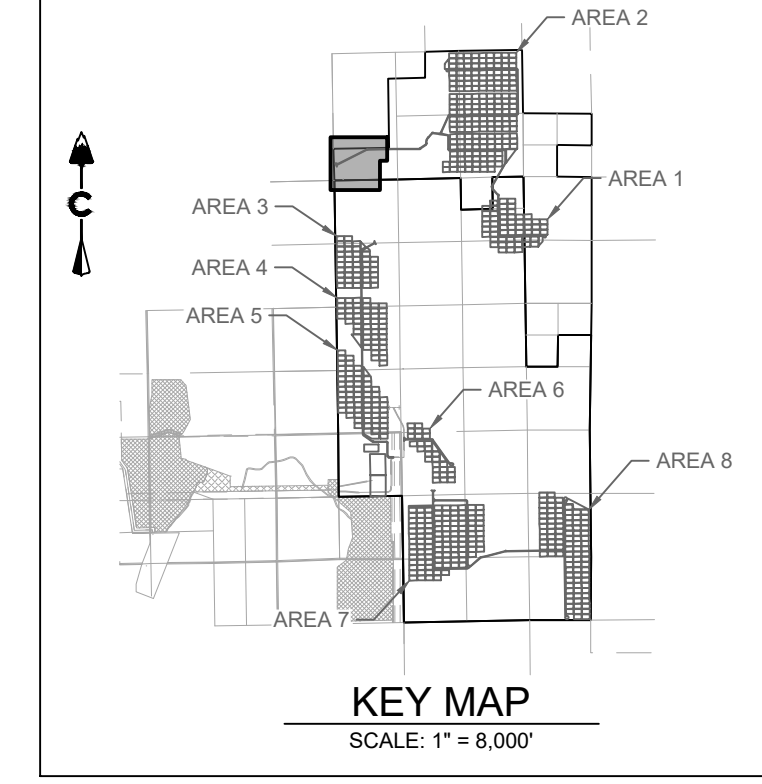
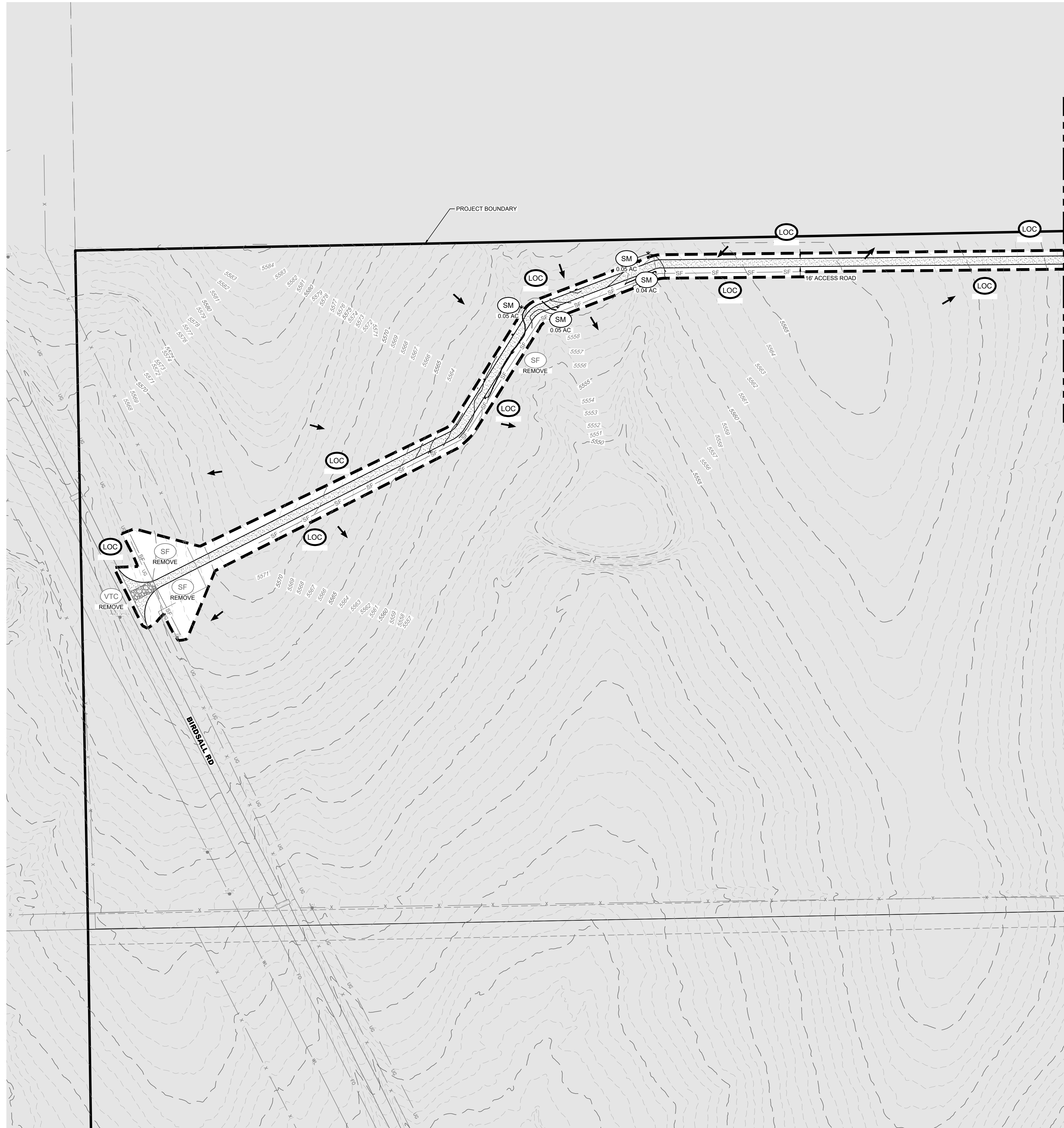
NOT FOR CONSTRUCTION

DESIGNED BY: BB
 DRAWN BY: SD
 CHECKED BY: DB

JOB NO.
 20-194
 SHEET
 50 OF 78

CORE CONSULTANTS, INC.
 LAND DEVELOPMENT
 ENERGY
 PUBLIC INFRASTRUCTURE
 3473 S. BROADWAY
 DENVER, CO 80113
 303.703.4444
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LEGEND

— 5280	PROPOSED MAJOR CONTOUR
— 5279	PROPOSED MINOR CONTOUR
— 5280	EXISTING MAJOR CONTOUR
— 5279	EXISTING MINOR CONTOUR
- - - -	PHASE BOUNDARY
[Symbol]	(RCD) REINFORCED CHECK DAM
[Symbol]	(CWA) CONCRETE WASHOUT AREA
[Symbol]	(DD) DIVERSION DITCH
[Symbol]	(IP) INLET PROTECTION
[Symbol]	(RC) ROCK SOCK
[Symbol]	(SB) SEDIMENT BASIN
[Symbol]	(SCL) SEDIMENT CONTROL LOG
[Symbol]	(SM) SEEDING
[Symbol]	(SF) SILT FENCE
[Symbol]	(SSA) STABILIZED STAGING AREA
[Symbol]	(ST) SEDIMENT TRAP
[Symbol]	(TSC) TEMPORARY STREAM CROSSING
[Symbol]	(VTC) VEHICLE TRACKING CONTROL

- NOTES:**
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 - SEE SHEETS 74-75 FOR EROSION CONTROL DETAILS.
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# REVISION DESCRIPTION	DATE	BY	DB	DB	IR
	1	02/25/21	DB	04/07/21	IR
	2	BID SET	DB	10/20/21	IR
3	2ND SUBMITTAL				

PIKE SOLAR

EL PASO COUNTY, COLORADO

GRADING & EROSION CONTROL PLANS

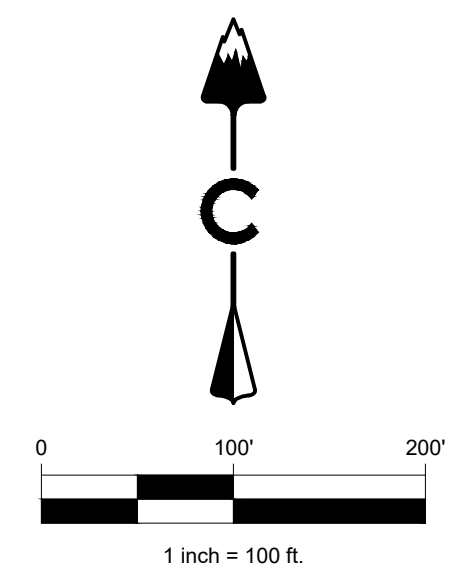
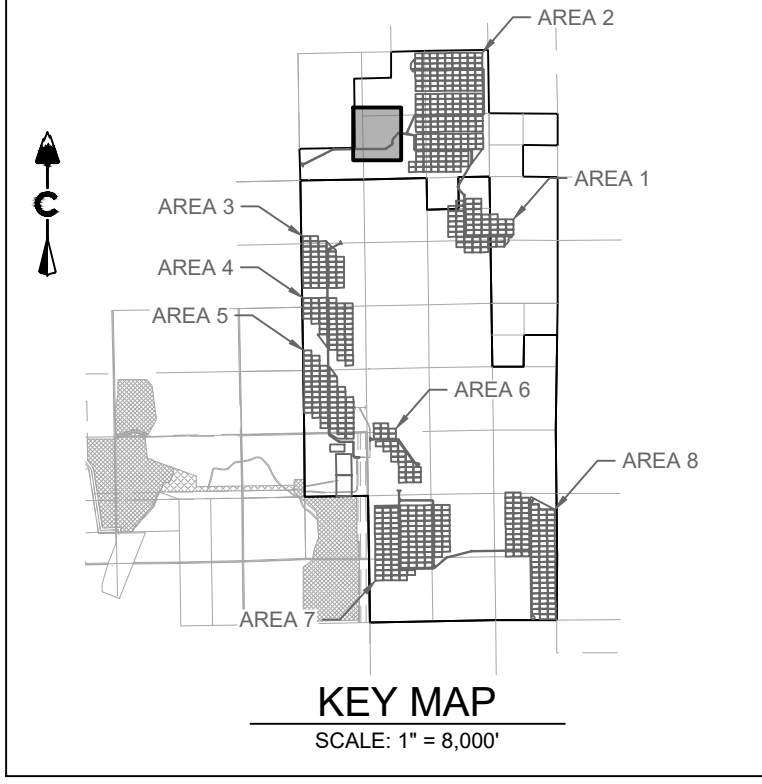
FINAL (1 OF 24)

NOT FOR CONSTRUCTION

DESIGNED BY: BB
DRAWN BY: SD
CHECKED BY: DB

JOB NO.
20-194

SHEET
51 OF 78



LEGEND

— 5280	PROPOSED MAJOR CONTOUR
— 5279	PROPOSED MINOR CONTOUR
- - - 5280	EXISTING MAJOR CONTOUR
- - - 5279	EXISTING MINOR CONTOUR
- - - - -	PHASE BOUNDARY
[Symbol]	RCD REINFORCED CHECK DAM
[Symbol]	CWA CONCRETE WASHOUT AREA
[Symbol]	DD DIVERSION DITCH
[Symbol]	IP INLET PROTECTION
[Symbol]	RC ROCK SOCK
[Symbol]	SB SEDIMENT BASIN
[Symbol]	SCL SEDIMENT CONTROL LOG
[Symbol]	SM SEEDING
[Symbol]	SF SILT FENCE
[Symbol]	SSA STABILIZED STAGING AREA
[Symbol]	ST SEDIMENT TRAP
[Symbol]	TSC TEMPORARY STREAM CROSSING
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DATE	BY	REVISION DESCRIPTION
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10/20/21	RS	3 2ND SUBMITTAL

PIKE SOLAR
 EL PASO COUNTY, COLORADO
 GRADING & EROSION CONTROL PLANS
 FINAL (2 OF 24)

NOT FOR CONSTRUCTION

DESIGNED BY: BB
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 CHECKED BY: DB

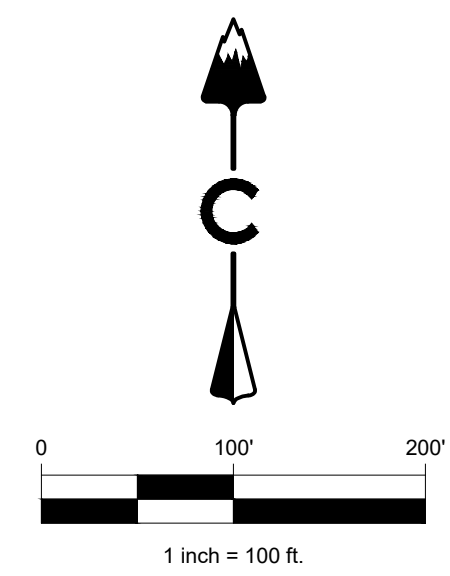
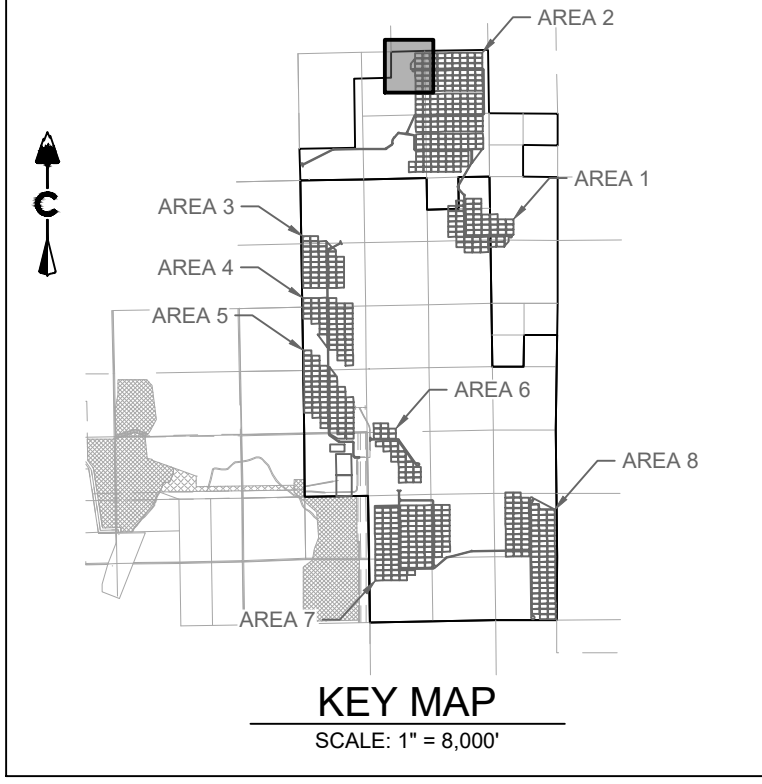
JOB NO.
 20-194

SHEET
 52 OF 78

10/16/2021 11:06 AM X:\20-194 PIKE SOLAR\CIVIL\CAD\PLANS\FILING\10ES\GESC PLAN1_FINAL.DWG



REMOVE
TOPOR SB SIZING
15.0 ACRES
61" WIDTH
122' LENGTH
30' CREST
1.34" HOLE DIA.



LEGEND

— 5280	PROPOSED MAJOR CONTOUR
— 5279	PROPOSED MINOR CONTOUR
— 5280	EXISTING MAJOR CONTOUR
— 5279	EXISTING MINOR CONTOUR
- - - -	PHASE BOUNDARY
[Symbol]	RCI REINFORCED CHECK DAM
[Symbol]	CWA CONCRETE WASHOUT AREA
[Symbol]	DD DIVERSION DITCH
[Symbol]	IP INLET PROTECTION
[Symbol]	RC ROCK SOCK
[Symbol]	SB SEDIMENT BASIN
[Symbol]	SCL SEDIMENT CONTROL LOG
[Symbol]	SM SEEDING
[Symbol]	SF SILT FENCE
[Symbol]	SSA STABILIZED STAGING AREA
[Symbol]	ST SEDIMENT TRAP
[Symbol]	TSC TEMPORARY STREAM CROSSING
[Symbol]	VTC VEHICLE TRACKING CONTROL

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PIKE SOLAR
EL PASO COUNTY, COLORADO
GRADING & EROSION CONTROL PLANS
FINAL (3 OF 24)

NOT FOR CONSTRUCTION

DESIGNED BY: BB
DRAWN BY: SD
CHECKED BY: DB

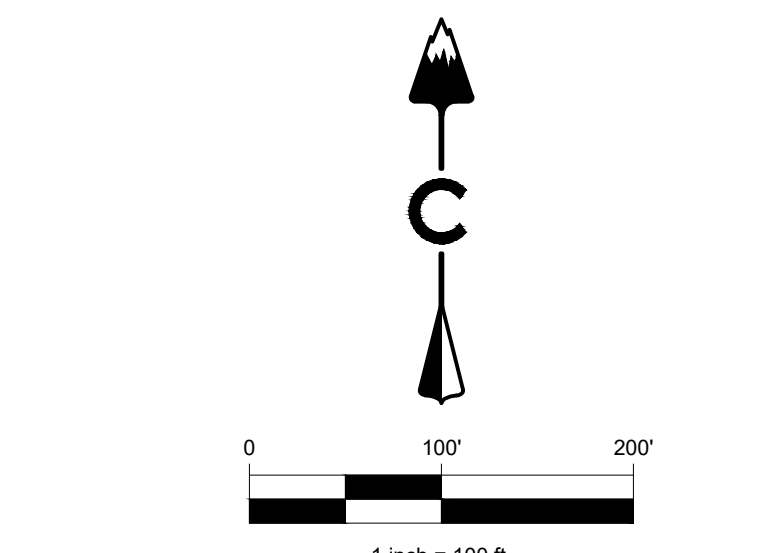
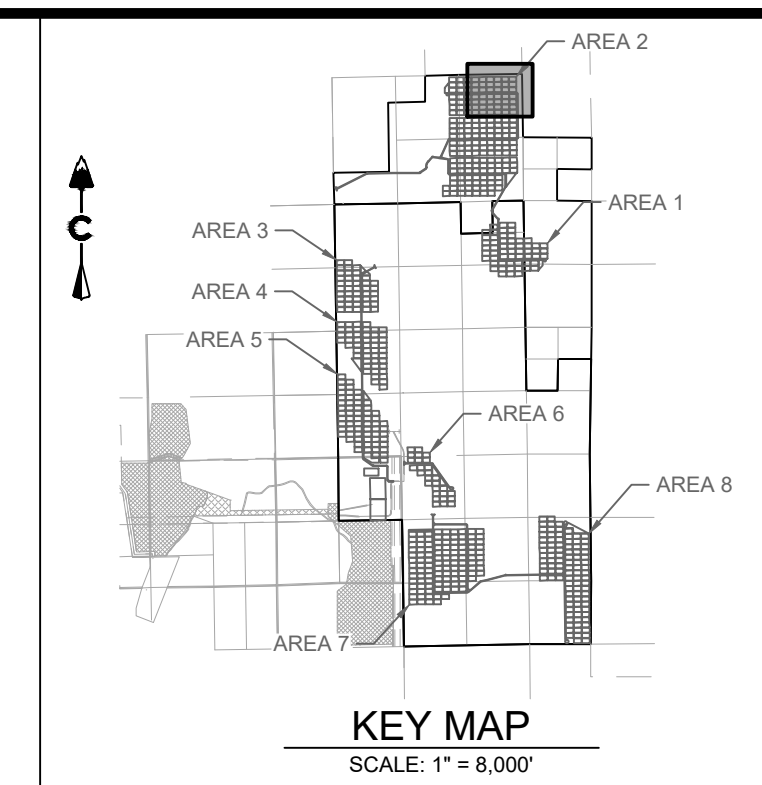
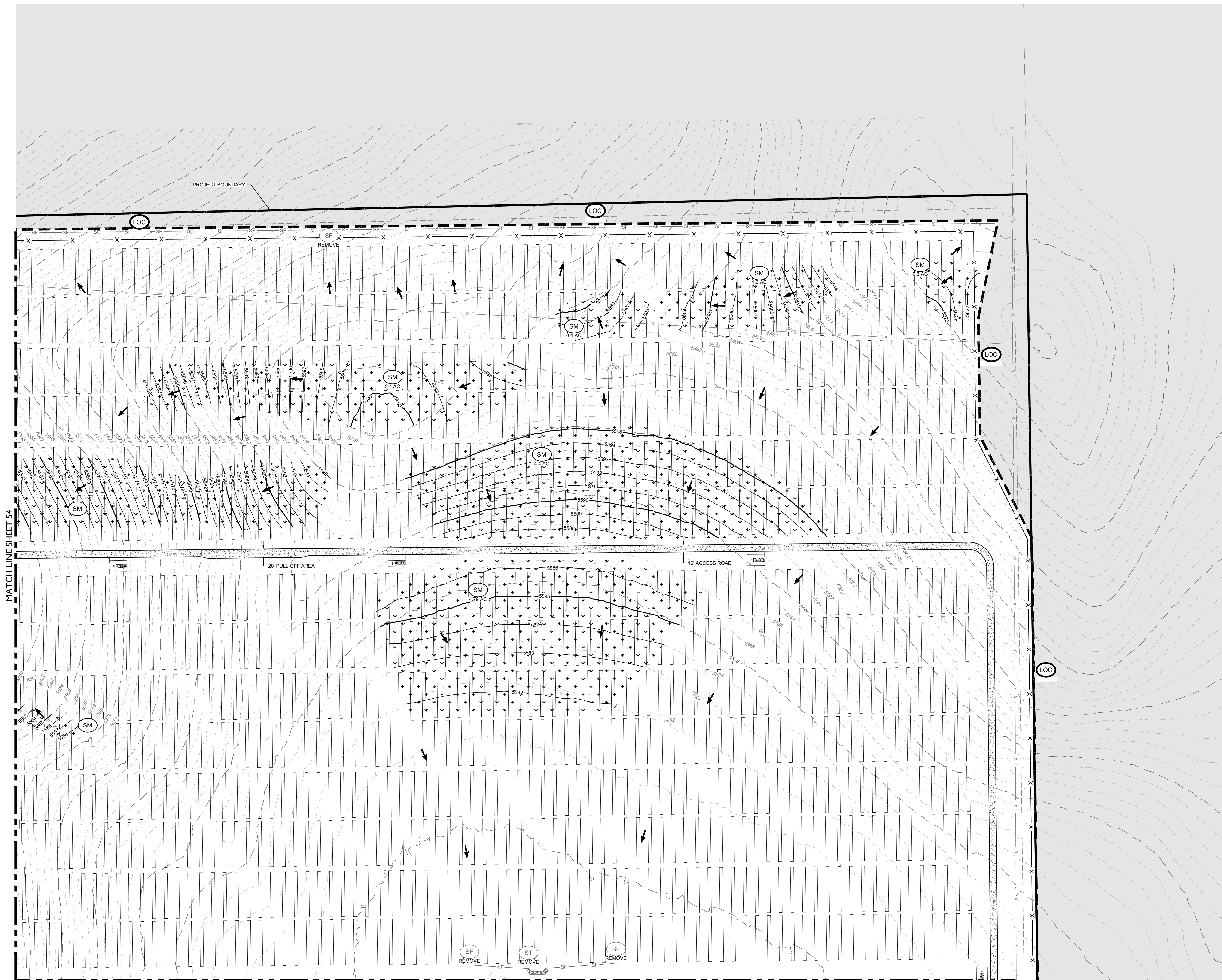
JOB NO.
20-194
SHEET
53 OF 78

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LAND DEVELOPMENT
ENERGY
PUBLIC INFRASTRUCTURE



10/16/2021 11:08 AM X:\25-184 PIKE SOLAR\DWG\CAD\PLANS\FILING\10ESDC\GEC PLAN1 - FINAL.DWG



LEGEND

5280	PROPOSED MAJOR CONTOUR
5279	PROPOSED MINOR CONTOUR
5280	EXISTING MAJOR CONTOUR
5279	EXISTING MINOR CONTOUR
- - - -	PHASE BOUNDARY
[Symbol]	RCD REINFORCED CHECK DAM
[Symbol]	CWA CONCRETE WASHOUT AREA
[Symbol]	DD DIVERSION DITCH
[Symbol]	IP INLET PROTECTION
[Symbol]	RS ROCK SOCK
[Symbol]	SB SEDIMENT BASIN
[Symbol]	SCL SEDIMENT CONTROL LOG
[Symbol]	SM SEEDING
[Symbol]	SF SILT FENCE
[Symbol]	SSA STABILIZED STAGING AREA
[Symbol]	ST SEDIMENT TRAP
[Symbol]	TSC TEMPORARY STREAM CROSSING
[Symbol]	VTC VEHICLE TRACKING CONTROL

- NOTES:**
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POD 2 EARTHWORK
 CUT: 11,199 CY
 FILL: 11,055 CY
 TOTAL: 144 CY (CUT)

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LAND DEVELOPMENT ENERGY PUBLIC INFRASTRUCTURE

DATE	BY	REVISION DESCRIPTION
02/25/21	DB	1 1ST SUBMITTAL
04/07/21	DB	2 BID SET
10/20/21	RR	3 2ND SUBMITTAL

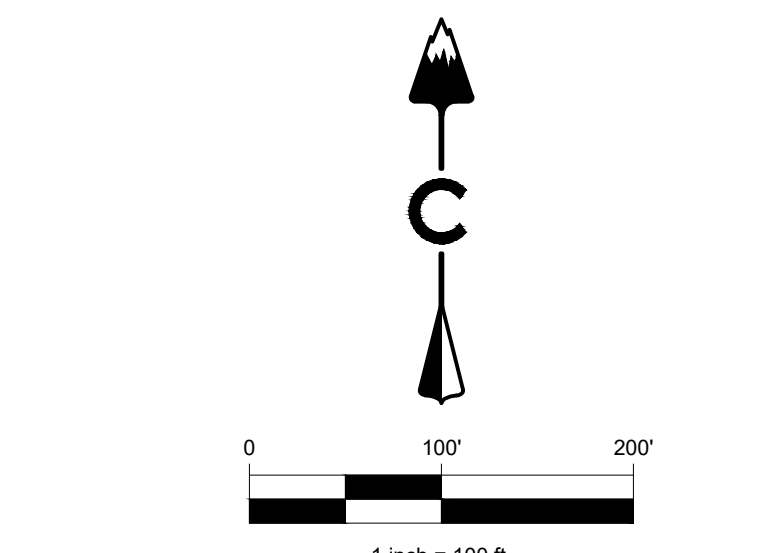
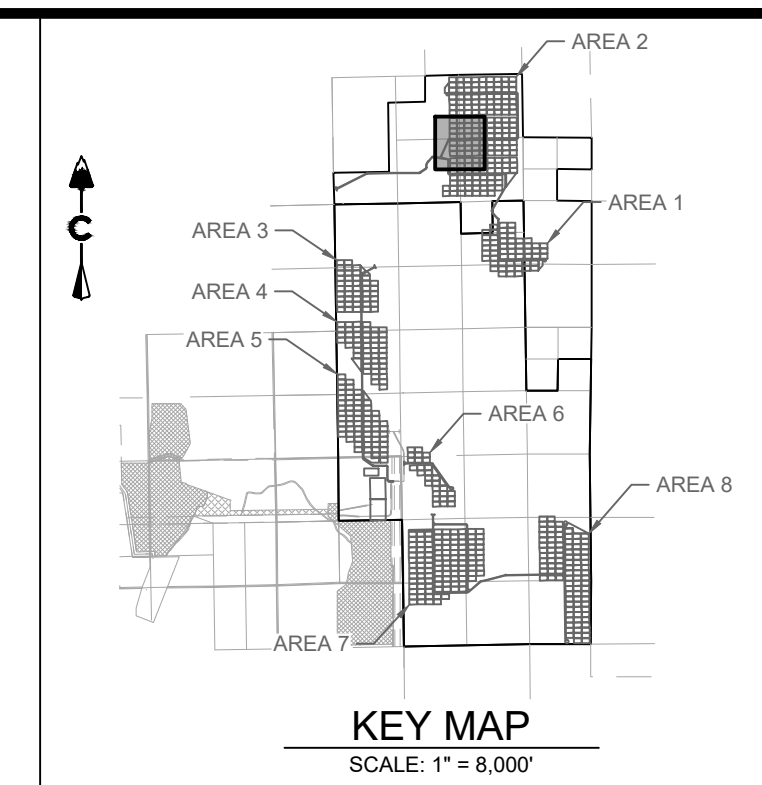
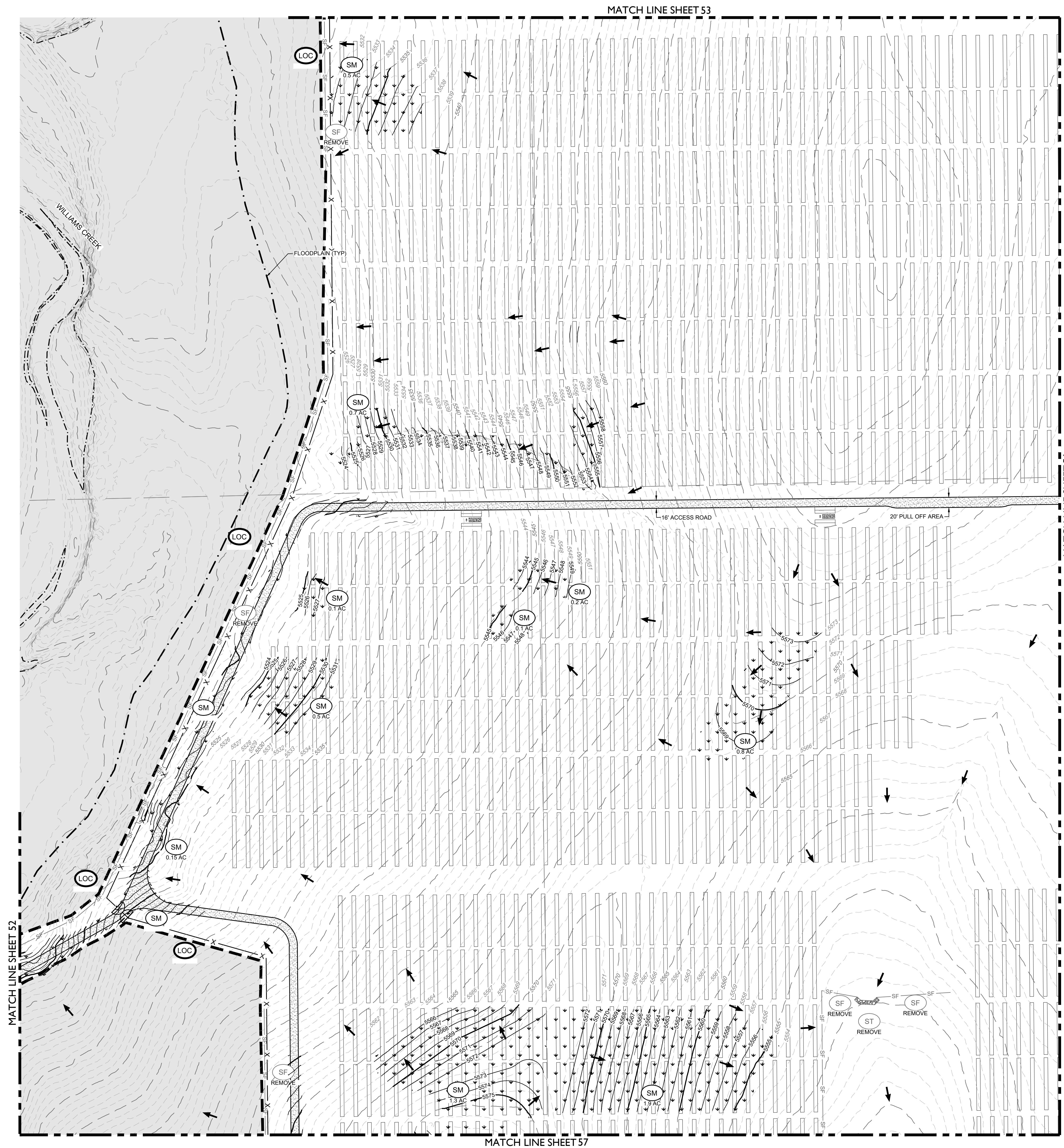
PIKE SOLAR
 EL PASO COUNTY, COLORADO
 GRADING & EROSION CONTROL PLANS
 FINAL (4 OF 24)

DESIGNED BY: BB
 DRAWN BY: SD
 CHECKED BY: DB

JOB NO. 20-194
 SHEET 54 OF 78

NOT FOR CONSTRUCTION

10/16/2021 11:07 AM X:\25-104 PIKE SOLAR\CIVIL\CDR\PLANS\FILING\10ESDC\GEC PLAN1 - FINAL.DWG



LEGEND

5280	PROPOSED MAJOR CONTOUR
5279	PROPOSED MINOR CONTOUR
5280	EXISTING MAJOR CONTOUR
5279	EXISTING MINOR CONTOUR
- - - -	PHASE BOUNDARY
[Symbol]	RCD REINFORCED CHECK DAM
[Symbol]	CWA CONCRETE WASHOUT AREA
[Symbol]	DD DIVERSION DITCH
[Symbol]	IP INLET PROTECTION
[Symbol]	RC ROCK SOCK
[Symbol]	SB SEDIMENT BASIN
[Symbol]	SCL SEDIMENT CONTROL LOG
[Symbol]	SM SEEDING
[Symbol]	SF SILT FENCE
[Symbol]	SSA STABILIZED STAGING AREA
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PIKE SOLAR
EL PASO COUNTY, COLORADO
GRADING & EROSION CONTROL PLANS
FINAL (5 OF 24)

NOT FOR CONSTRUCTION

DESIGNED BY: BB	DATE: 02/25/21	DB
DRAWN BY: SD	DATE: 04/07/21	DB
CHECKED BY: DB	DATE: 10/20/21	RS

JOB NO. 20-194
SHEET 55 OF 78

Know what's below. Call before you dig.

LAND DEVELOPMENT ENERGY PUBLIC INFRASTRUCTURE

CORE CONSULTANTS, INC.
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303.703.4444
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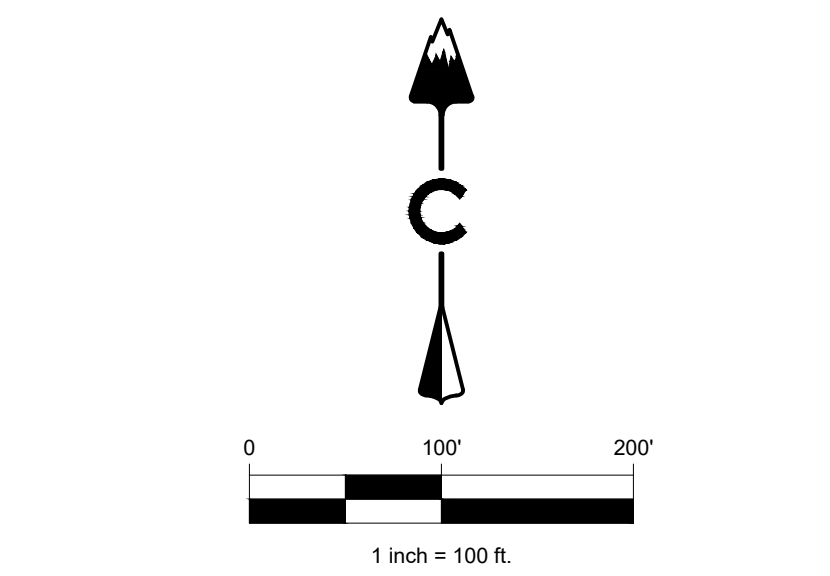
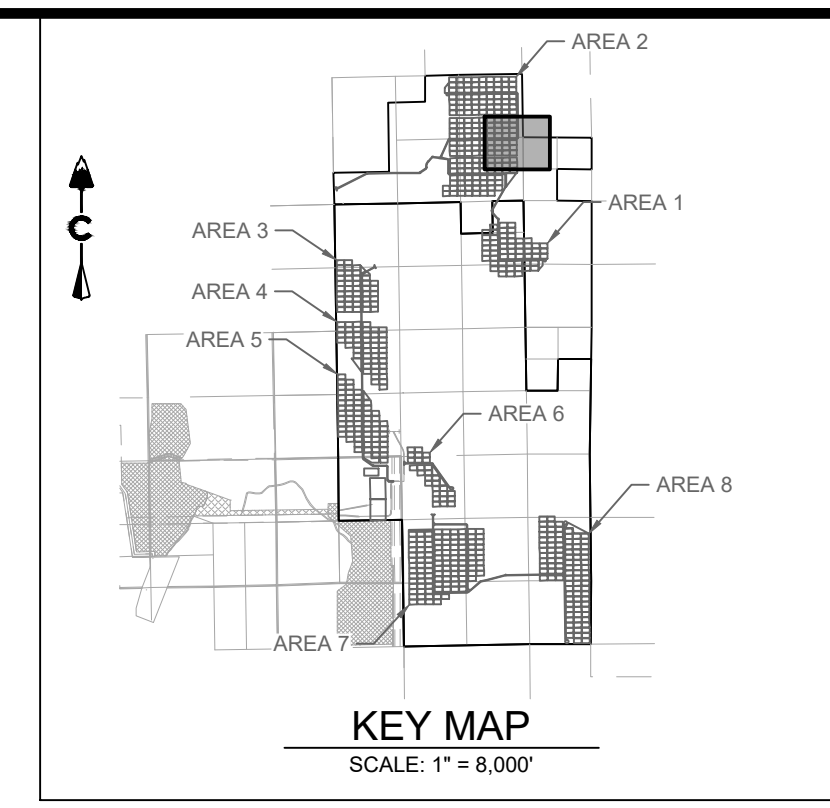
10/16/2021 11:07 AM X:\25-184 PIKE SOLAR\CHILLI\CAD\PLANS\FILING\10ES\GESC PLAN1 -FINAL.DWG

MATCH LINE SHEET 54



MATCH LINE SHEET 55

MATCH LINE SHEET 58

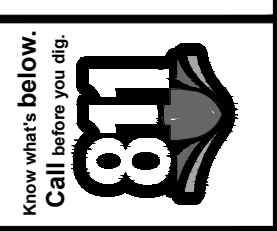


LEGEND

	5280	PROPOSED MAJOR CONTOUR
	5279	PROPOSED MINOR CONTOUR
	5280	EXISTING MAJOR CONTOUR
	5279	EXISTING MINOR CONTOUR
		PHASE BOUNDARY
	(RCD)	REINFORCED CHECK DAM
	(CWA)	CONCRETE WASHOUT AREA
	(DD)	DIVERSION DITCH
	(IP)	INLET PROTECTION
	(RC)	ROCK SOCK
	(SB)	SEDIMENT BASIN
	(SCL)	SEDIMENT CONTROL LOG
	(SM)	SEEDING
	(SF)	SILT FENCE
	(SSA)	STABILIZED STAGING AREA
	(ST)	SEDIMENT TRAP
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DATE	BY	DESCRIPTION
02/25/21	DB	1ST SUBMITTAL
04/07/21	DB	BID SET
10/20/21	RS	2ND SUBMITTAL

PIKE SOLAR
 EL PASO COUNTY, COLORADO
 GRADING & EROSION CONTROL PLANS
 FINAL (6 OF 24)

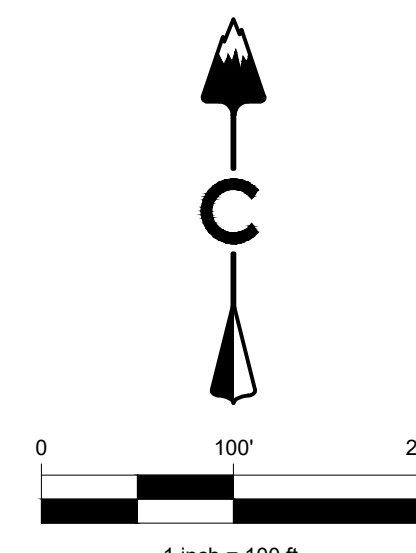
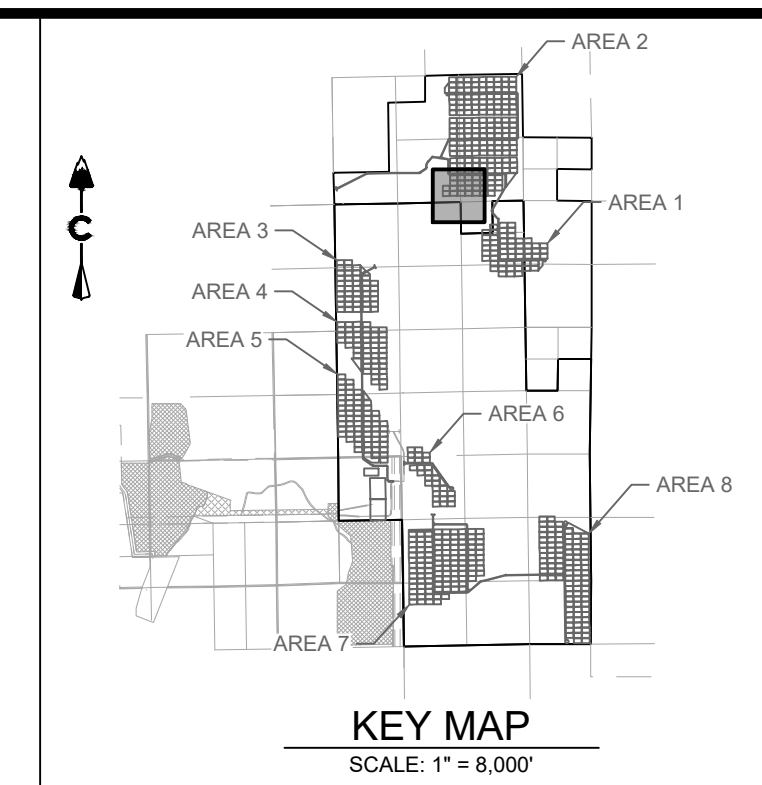
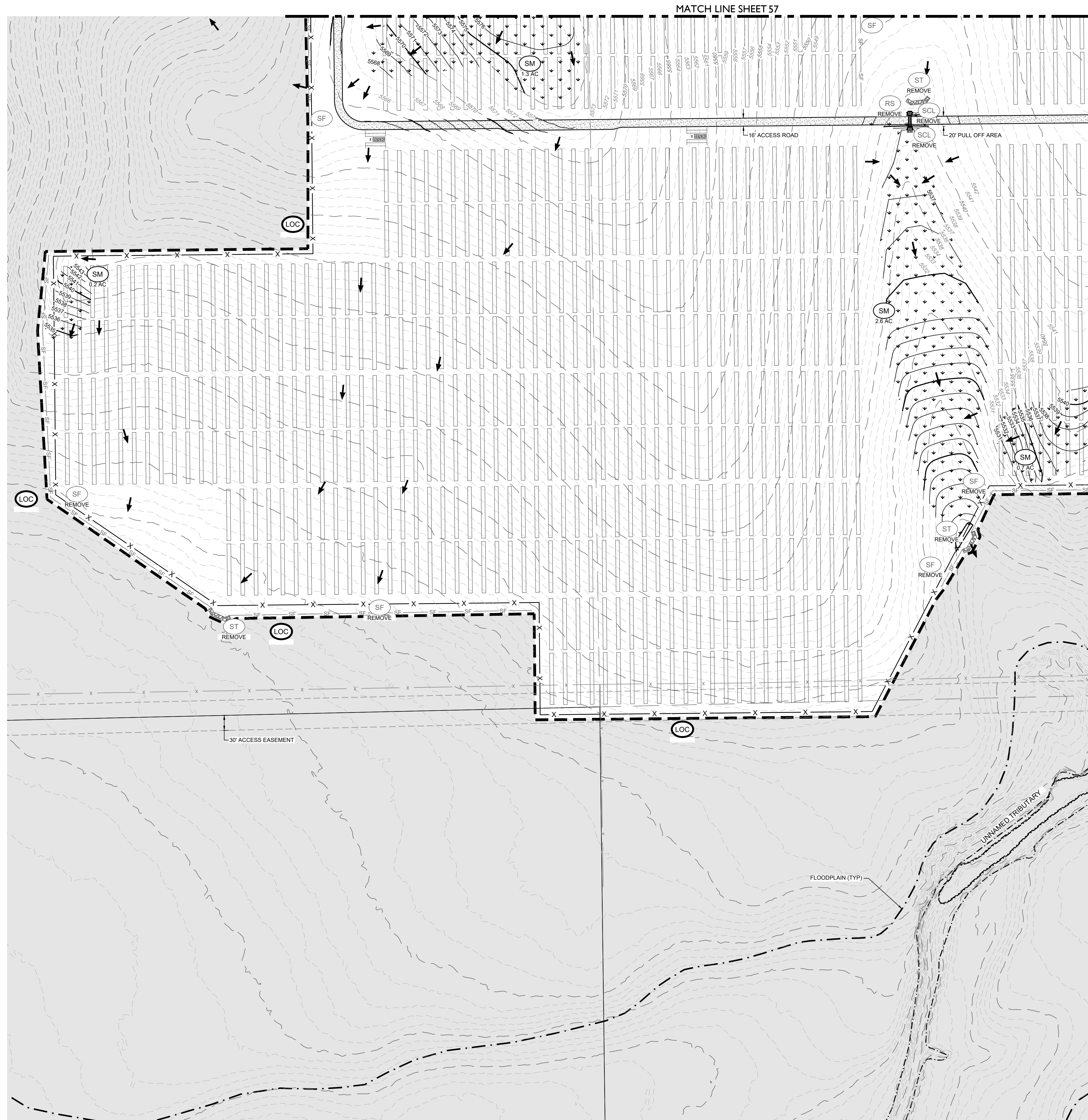
NOT FOR CONSTRUCTION

DESIGNED BY: BB
 DRAWN BY: SD
 CHECKED BY: DB

JOB NO.
20-194

SHEET
56 OF 78

10/16/2021 11:07 AM X:\25-184 PIKE SOLAR\CIVIL\CAD\PLANS\FILING\10ES\GESC PLAN1 - FINAL.DWG



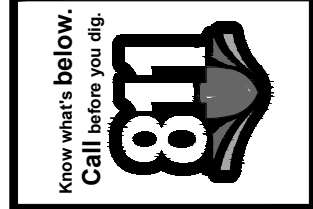
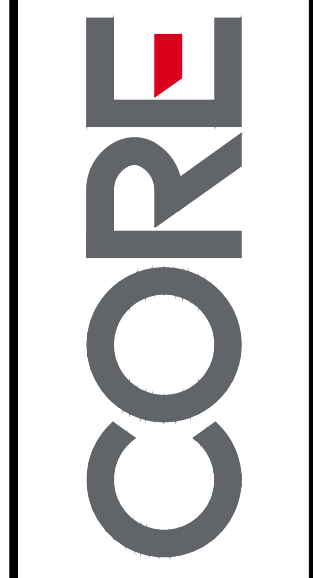
LEGEND

5280	PROPOSED MAJOR CONTOUR
5279	PROPOSED MINOR CONTOUR
5280	EXISTING MAJOR CONTOUR
5279	EXISTING MINOR CONTOUR
- - - - -	PHASE BOUNDARY
[Symbol]	RCR REINFORCED CHECK DAM
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[Symbol]	DD DIVERSION DITCH
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#	REVISION DESCRIPTION	DATE	BY
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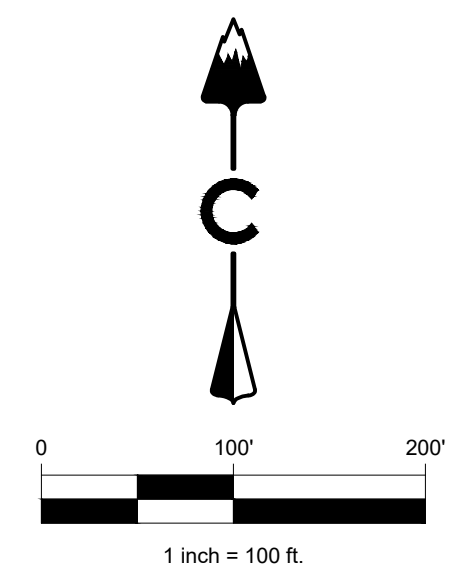
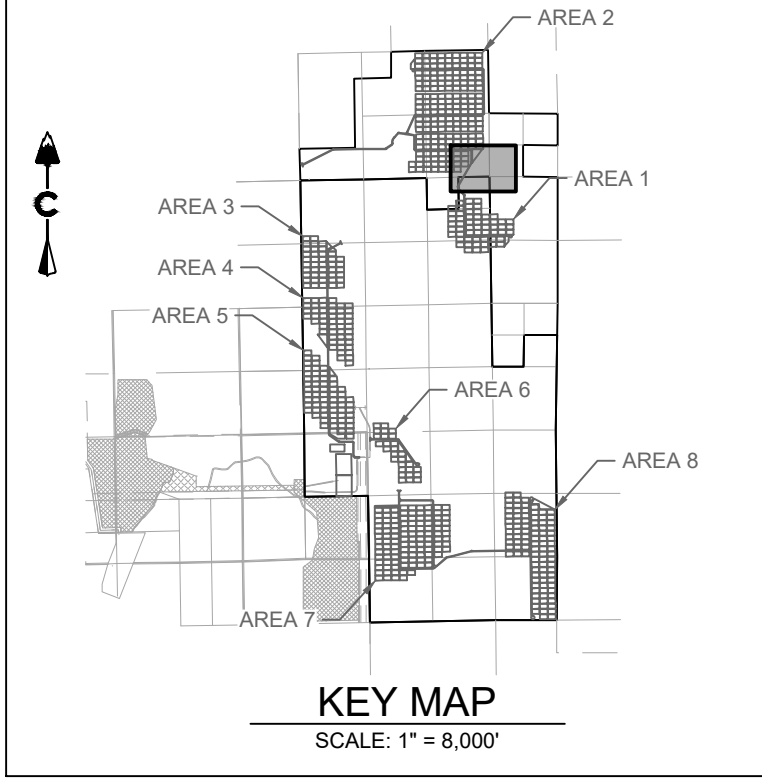
PIKE SOLAR
 EL PASO COUNTY, COLORADO
 GRADING & EROSION CONTROL PLANS
 FINAL (7 OF 24)

NOT FOR CONSTRUCTION

DESIGNED BY: BB
 DRAWN BY: SD
 CHECKED BY: DB

JOB NO.
20-194
 SHEET
57 OF 78

10/15/2021 11:08 AM X:\20-194 PIKE SOLAR\DWG\CAD\PLANS\FILING\10ES\GEC\PLAN1-FINAL.DWG



LEGEND

— 5280	PROPOSED MAJOR CONTOUR
— 5279	PROPOSED MINOR CONTOUR
— 5280	EXISTING MAJOR CONTOUR
— 5279	EXISTING MINOR CONTOUR
- - - -	PHASE BOUNDARY
[Symbol]	RCD REINFORCED CHECK DAM
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[Symbol]	DD DIVERSION DITCH
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3	2ND SUBMITTAL	10/20/21	RR

PIKE SOLAR
 EL PASO COUNTY, COLORADO
 GRADING & EROSION CONTROL PLANS
 FINAL (8 OF 24)

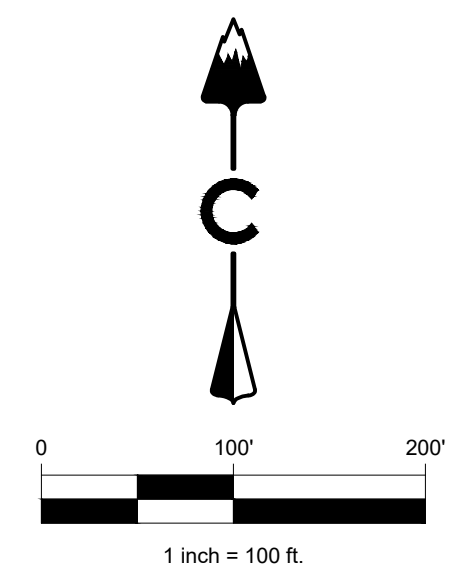
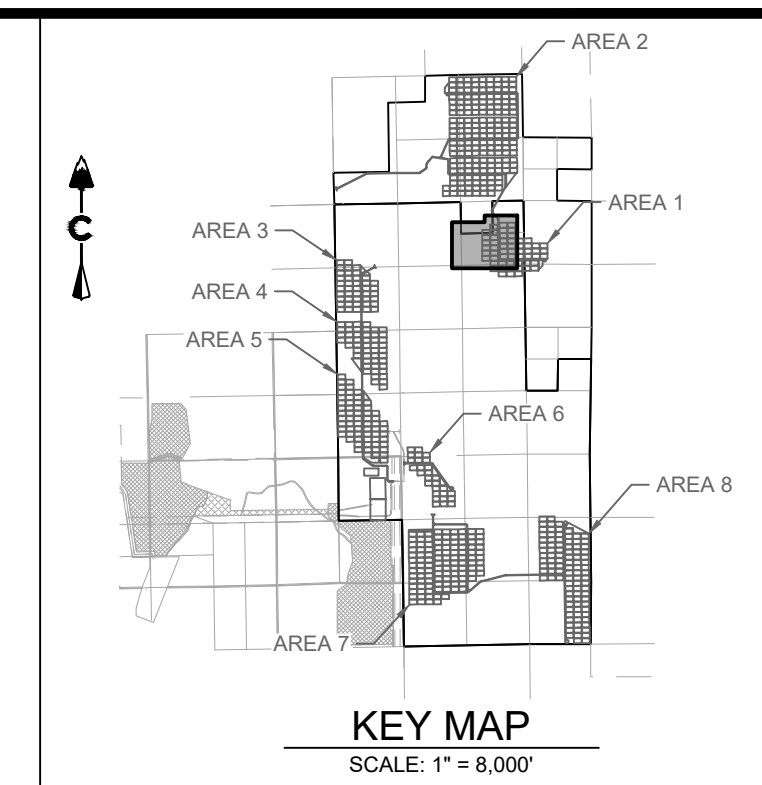
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DESIGNED BY: BB
 DRAWN BY: SD
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JOB NO.
20-194

SHEET
58 OF 78

10/15/2021 11:08 AM X:\20-194 PIKE SOLAR\CIVIL\CD\PLANS\FILING\10ESC\GEC PLAN1 - FINAL.DWG



LEGEND

— 5280 —	PROPOSED MAJOR CONTOUR
— 5279 —	PROPOSED MINOR CONTOUR
— 5280 —	EXISTING MAJOR CONTOUR
— 5279 —	EXISTING MINOR CONTOUR
- - - - -	PHASE BOUNDARY
[Symbol]	(RCD) REINFORCED CHECK DAM
[Symbol]	(CWA) CONCRETE WASHOUT AREA
[Symbol]	(DD) DIVERSION DITCH
[Symbol]	(IP) INLET PROTECTION
[Symbol]	(RC) ROCK SOCK
[Symbol]	(SB) SEDIMENT BASIN
[Symbol]	(SCL) SEDIMENT CONTROL LOG
[Symbol]	(SM) SEEDING
[Symbol]	(SF) SILT FENCE
[Symbol]	(SSA) STABILIZED STAGING AREA
[Symbol]	(ST) SEDIMENT TRAP
[Symbol]	(TSC) TEMPORARY STREAM CROSSING
[Symbol]	(VTC) VEHICLE TRACKING CONTROL

- NOTES:**
- SEE COVER SHEET FOR EL PASO COUNTY GEC STANDARD NOTES.
 - SEE SHEETS 74-75 FOR EROSION CONTROL DETAILS.
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PIKE SOLAR
EL PASO COUNTY, COLORADO
GRADING & EROSION CONTROL PLANS
FINAL (9 OF 24)

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3	2ND SUBMITTAL	10/20/21	RS

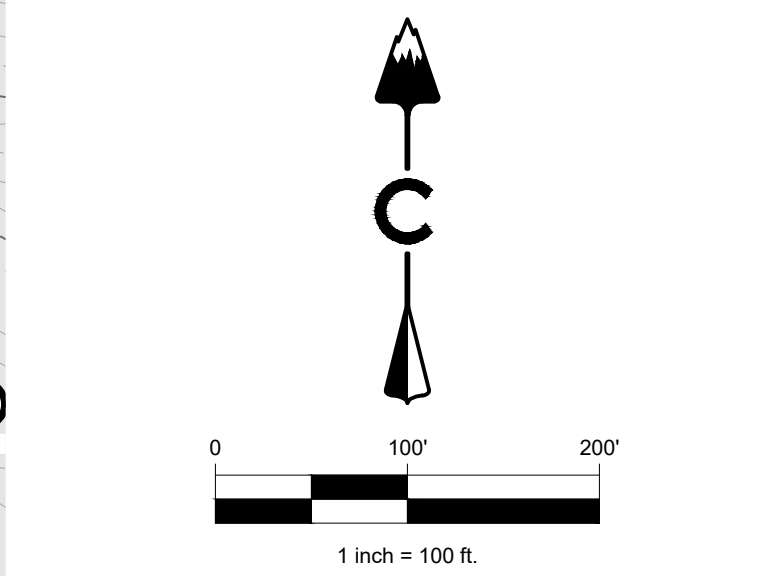
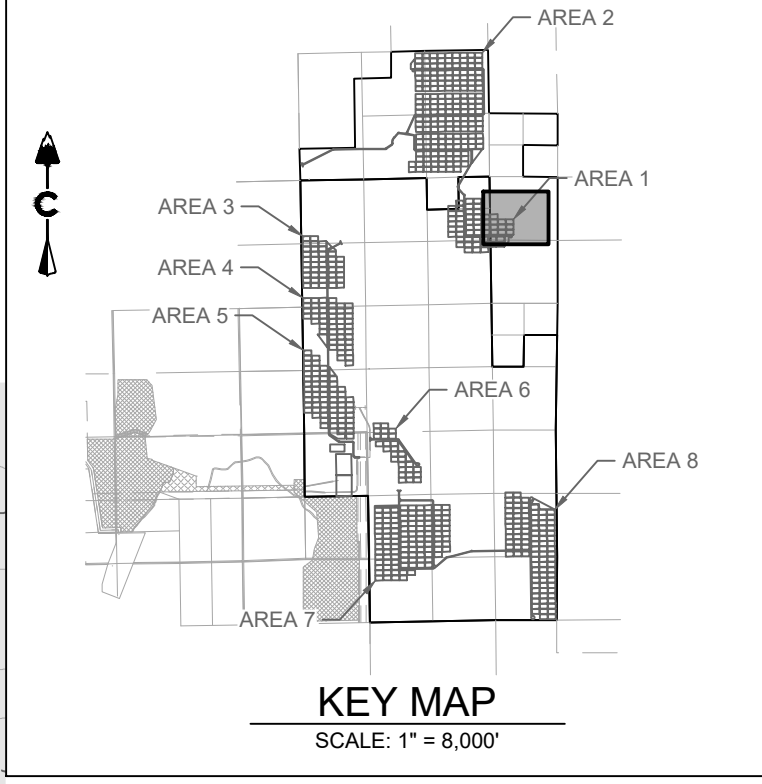
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20-194

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59 OF 78

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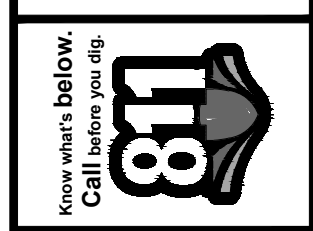
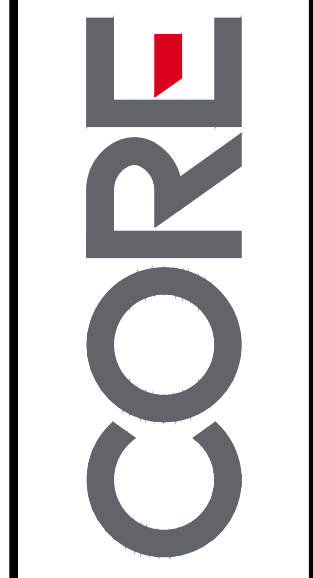


LEGEND

	5280	PROPOSED MAJOR CONTOUR
	5279	PROPOSED MINOR CONTOUR
	5280	EXISTING MAJOR CONTOUR
	5279	EXISTING MINOR CONTOUR
		PHASE BOUNDARY
	RCD	REINFORCED CHECK DAM
	CWA	CONCRETE WASHOUT AREA
	DD	DIVERSION DITCH
	IP	INLET PROTECTION
	RC	ROCK SOCK
	SB	SEDIMENT BASIN
	SCL	SEDIMENT CONTROL LOG
	SM	SEEDING
	SF	SILT FENCE
	SSA	STABILIZED STAGING AREA
	ST	SEDIMENT TRAP
	TSC	TEMPORARY STREAM CROSSING
	VTC	VEHICLE TRACKING CONTROL

- NOTES:**
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2	BID SET	04/07/21	DB
3	2ND SUBMITTAL	10/20/21	RR

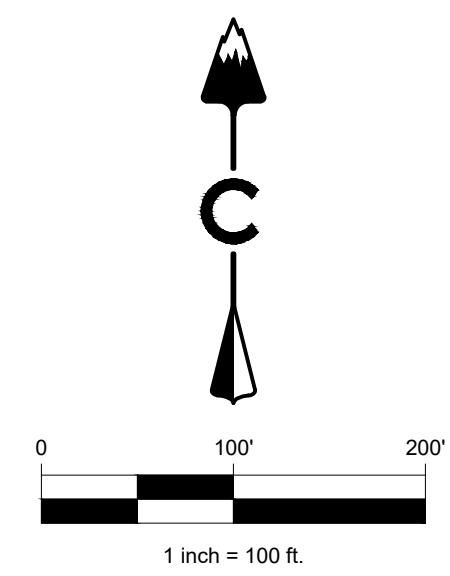
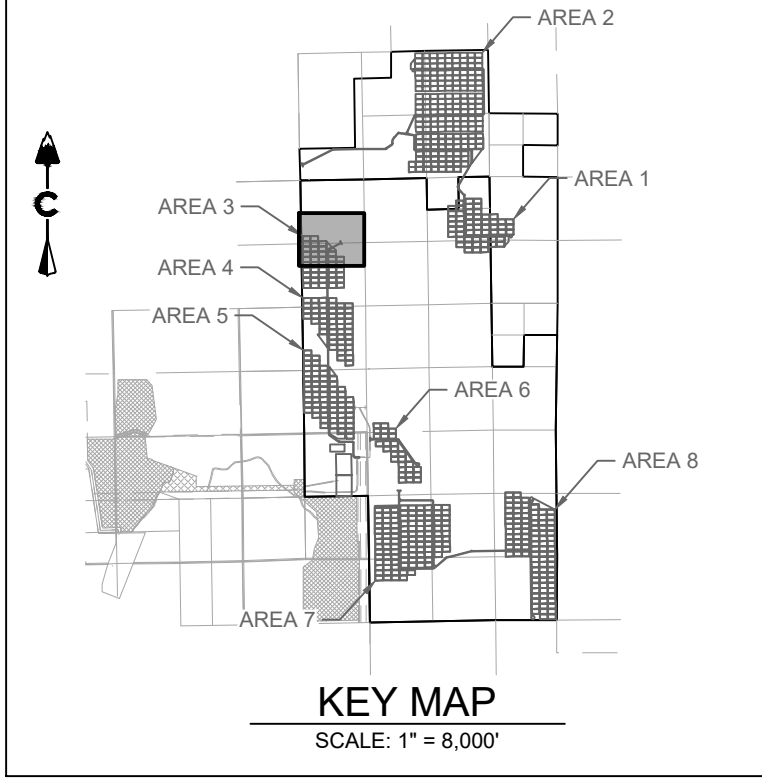
PIKE SOLAR
 EL PASO COUNTY, COLORADO
 GRADING & EROSION CONTROL PLANS
 FINAL (10 OF 24)

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JOB NO.
20-194
 SHEET
60 OF 78

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LEGEND

	5280	PROPOSED MAJOR CONTOUR
	5279	PROPOSED MINOR CONTOUR
	5280	EXISTING MAJOR CONTOUR
	5279	EXISTING MINOR CONTOUR
		PHASE BOUNDARY
	RCD	REINFORCED CHECK DAM
	CWA	CONCRETE WASHOUT AREA
	DD	DIVERSION DITCH
	IP	INLET PROTECTION
	RS	ROCK SOCK
	SB	SEDIMENT BASIN
	SCL	SEDIMENT CONTROL LOG
	SM	SEEDING
	SF	SILT FENCE
	SSA	STABILIZED STAGING AREA
	ST	SEDIMENT TRAP
	TSC	TEMPORARY STREAM CROSSING
	VTC	VEHICLE TRACKING CONTROL

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DATE	BY	REVISION DESCRIPTION
02/25/21	DB	1 1ST SUBMITTAL
04/07/21	DB	2 BID SET
10/20/21	RS	3 2ND SUBMITTAL

#	REVISION DESCRIPTION
1	1ST SUBMITTAL
2	BID SET
3	2ND SUBMITTAL

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 EL PASO COUNTY, COLORADO
 GRADING & EROSION CONTROL PLANS
 FINAL (11 OF 24)

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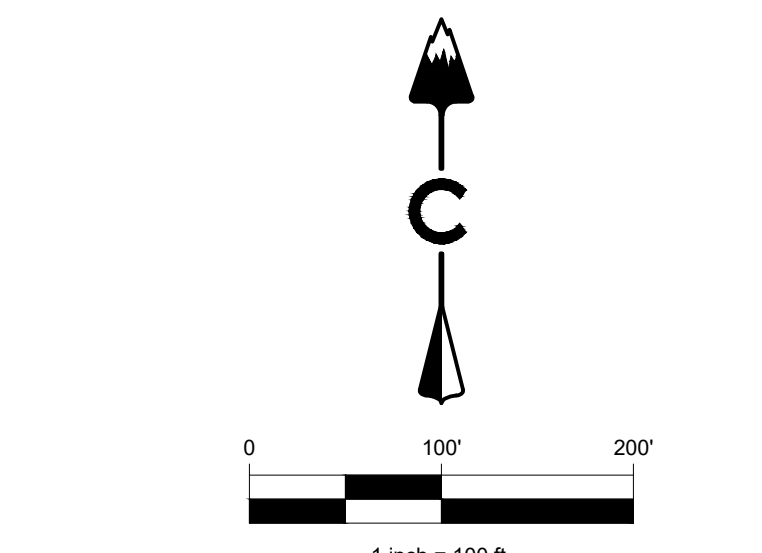
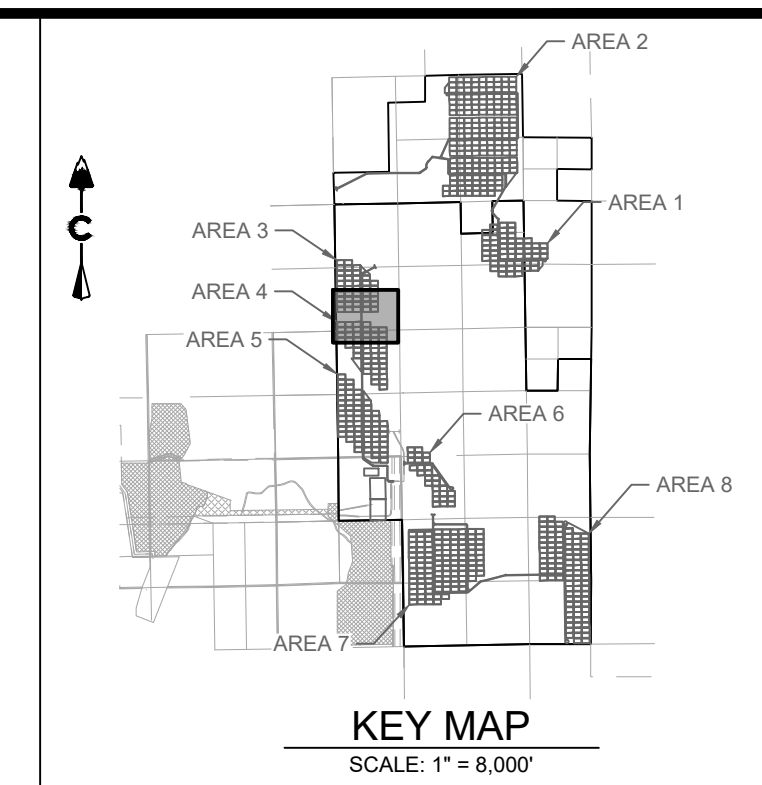


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MATCH LINE SHEET 61



MATCH LINE SHEET 63



LEGEND

5280	PROPOSED MAJOR CONTOUR
5279	PROPOSED MINOR CONTOUR
5280	EXISTING MAJOR CONTOUR
5279	EXISTING MINOR CONTOUR
- - - - -	PHASE BOUNDARY
	RCD REINFORCED CHECK DAM
	CWA CONCRETE WASHOUT AREA
	DD DIVERSION DITCH
	IP INLET PROTECTION
	RS ROCK SOCK
	SB SEDIMENT BASIN
	SCL SEDIMENT CONTROL LOG
	SM SEEDING
	SF SILT FENCE
	SSA STABILIZED STAGING AREA
	ST SEDIMENT TRAP
	TSC TEMPORARY STREAM CROSSING
	VTC VEHICLE TRACKING CONTROL

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**LAND DEVELOPMENT
ENERGY
PUBLIC INFRASTRUCTURE**

DATE	BY	REVISION DESCRIPTION
02/25/21	DB	1 1ST SUBMITTAL
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10/20/21	RR	3 2ND SUBMITTAL

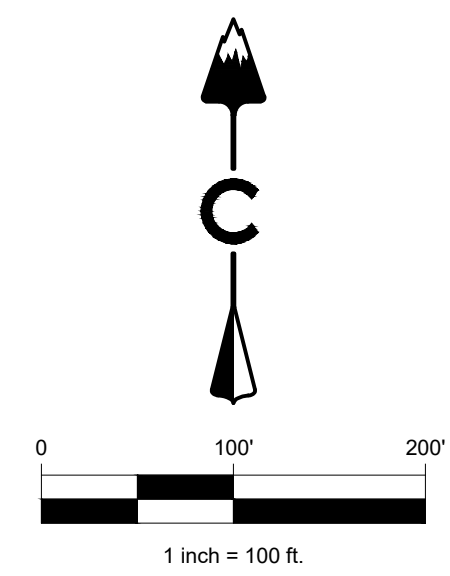
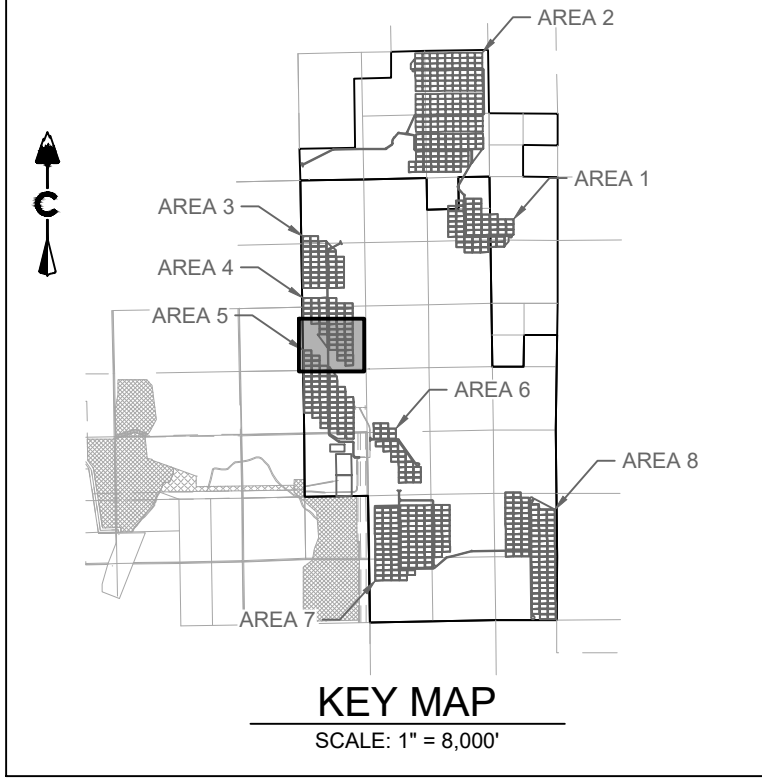
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EL PASO COUNTY, COLORADO
GRADING & EROSION CONTROL PLANS
FINAL (12 OF 24)

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62 OF 78

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LEGEND

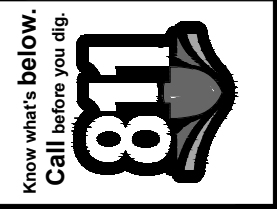
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	5279	PROPOSED MINOR CONTOUR
	5280	EXISTING MAJOR CONTOUR
	5279	EXISTING MINOR CONTOUR
		PHASE BOUNDARY
	RCD	REINFORCED CHECK DAM
	CWA	CONCRETE WASHOUT AREA
	DD	DIVERSION DITCH
	IP	INLET PROTECTION
	RC	ROCK SOCK
	SB	SEDIMENT BASIN
	SCL	SEDIMENT CONTROL LOG
	SM	SEEDING
	SF	SILT FENCE
	SSA	STABILIZED STAGING AREA
	ST	SEDIMENT TRAP
	TSC	TEMPORARY STREAM CROSSING
	VTC	VEHICLE TRACKING CONTROL

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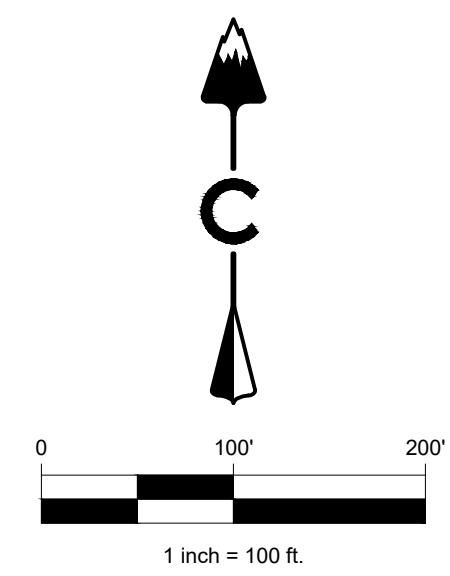
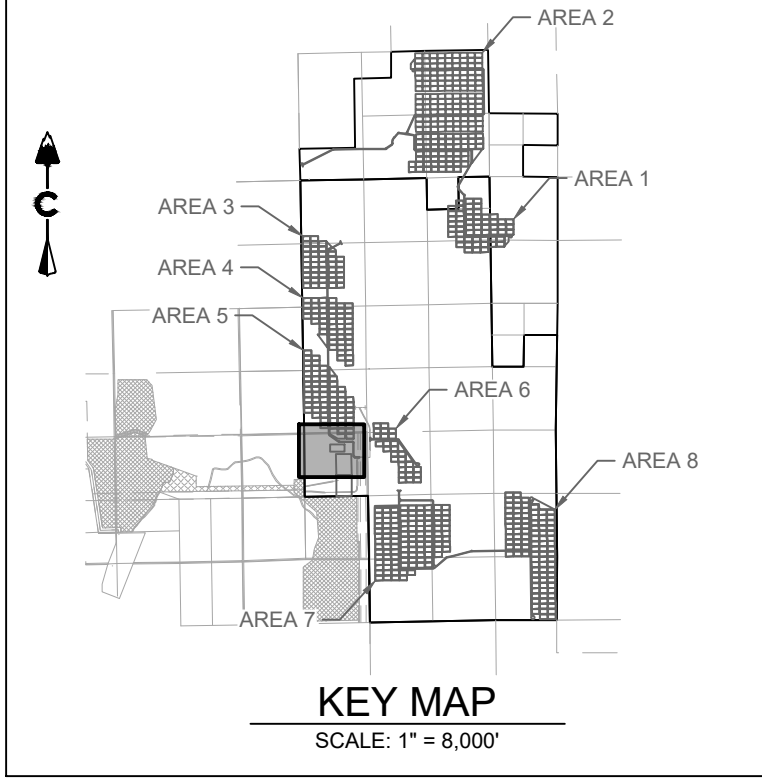
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2	BID SET	04/07/21	DB
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PIKE SOLAR
 EL PASO COUNTY, COLORADO
 GRADING & EROSION CONTROL PLANS
 FINAL (13 OF 24)

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 JOB NO. 20-194
 SHEET 63 OF 78

MATCH LINE SHEET 63



LEGEND

5280	PROPOSED MAJOR CONTOUR
5279	PROPOSED MINOR CONTOUR
5280	EXISTING MAJOR CONTOUR
5279	EXISTING MINOR CONTOUR
- - - - -	PHASE BOUNDARY
[Symbol]	REINFORCED CHECK DAM (RCD)
[Symbol]	CONCRETE WASHOUT AREA (CWA)
[Symbol]	DIVERSION DITCH (DD)
[Symbol]	INLET PROTECTION (IP)
[Symbol]	ROCK SOCK (RC)
[Symbol]	SEDIMENT BASIN (SB)
[Symbol]	SEDIMENT CONTROL LOG (SCL)
[Symbol]	SEEDING (SM)
[Symbol]	SILT FENCE (SF)
[Symbol]	STABILIZED STAGING AREA (SSA)
[Symbol]	SEDIMENT TRAP (ST)
[Symbol]	TEMPORARY STREAM CROSSING (TSC)
[Symbol]	VEHICLE TRACKING CONTROL (VTC)

NOTES:

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3	2ND SUBMITTAL	10/20/21	RR

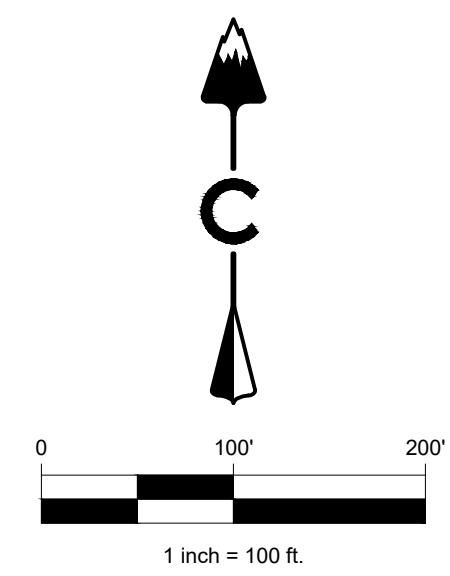
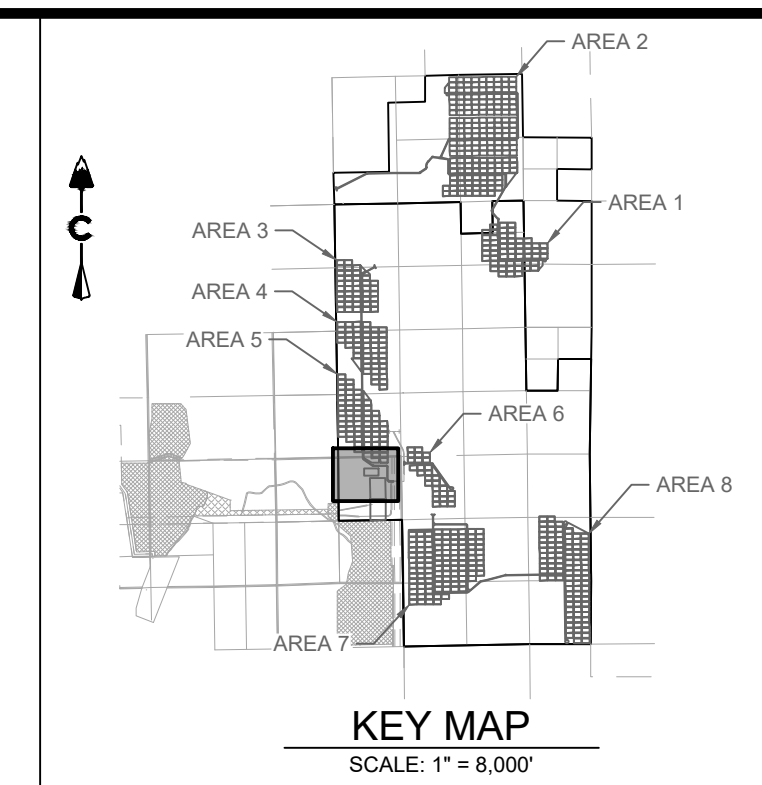
PIKE SOLAR
 EL PASO COUNTY, COLORADO
 GRADING & EROSION CONTROL PLANS
 FINAL (14 OF 24)

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20-194
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64 OF 78

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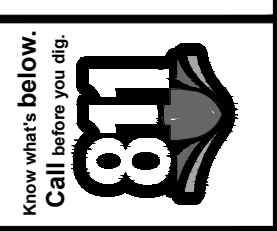
LEGEND

5280	PROPOSED MAJOR CONTOUR
5279	PROPOSED MINOR CONTOUR
5280	EXISTING MAJOR CONTOUR
5279	EXISTING MINOR CONTOUR
- - - - -	PHASE BOUNDARY
[Symbol]	REINFORCED CHECK DAM (RCD)
[Symbol]	CONCRETE WASHOUT AREA (CWA)
[Symbol]	DIVERSION DITCH (DD)
[Symbol]	INLET PROTECTION (IP)
[Symbol]	ROCK SOCK (RC)
[Symbol]	SEDIMENT BASIN (SB)
[Symbol]	SEDIMENT CONTROL LOG (SCL)
[Symbol]	SEEDING (SM)
[Symbol]	SILT FENCE (SF)
[Symbol]	STABILIZED STAGING AREA (SSA)
[Symbol]	SEDIMENT TRAP (ST)
[Symbol]	TEMPORARY STREAM CROSSING (TSC)
[Symbol]	VEHICLE TRACKING CONTROL (VTC)

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 FINAL (15 OF 24)

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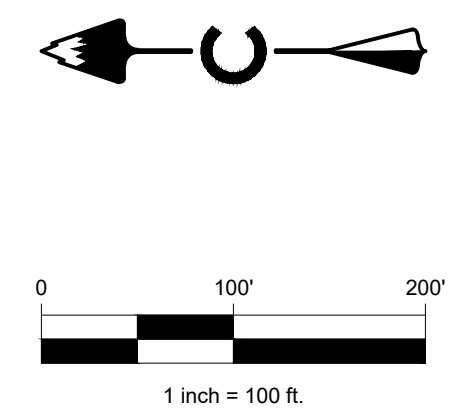
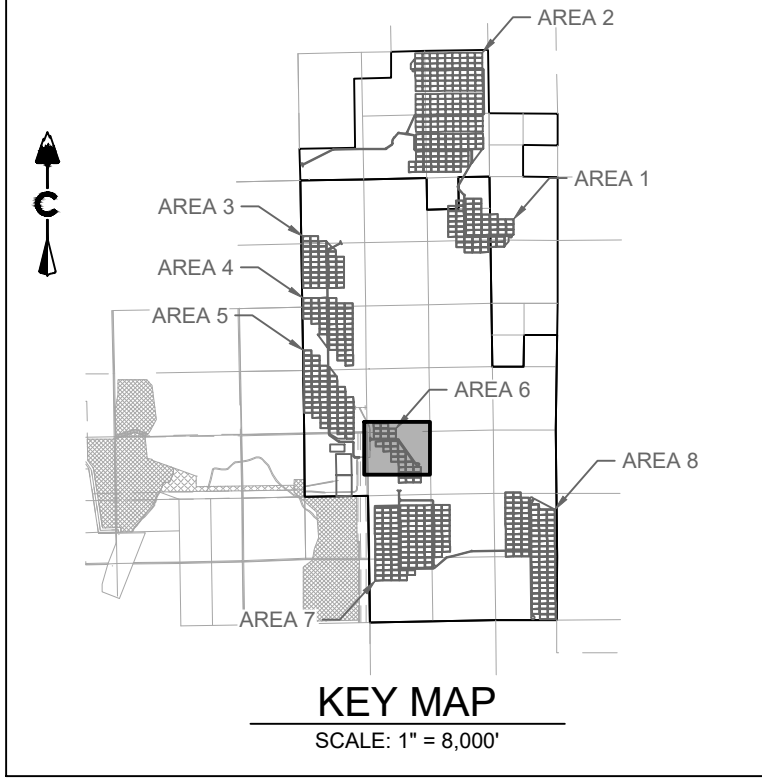
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 65 OF 78

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MATCH LINE SHEET 67



LEGEND

	5280	PROPOSED MAJOR CONTOUR
	5279	PROPOSED MINOR CONTOUR
	5280	EXISTING MAJOR CONTOUR
	5279	EXISTING MINOR CONTOUR
		PHASE BOUNDARY
	RCD	REINFORCED CHECK DAM
	CWA	CONCRETE WASHOUT AREA
	DD	DIVERSION DITCH
	IP	INLET PROTECTION
	RS	ROCK SOCK
	SB	SEDIMENT BASIN
	SCL	SEDIMENT CONTROL LOG
	SM	SEEDING
	SF	SILT FENCE
	SSA	STABILIZED STAGING AREA
	ST	SEDIMENT TRAP
	TSC	TEMPORARY STREAM CROSSING
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DATE	BY	DESCRIPTION
02/25/21	DB	1ST SUBMITTAL
04/07/21	DB	2ND SUBMITTAL
10/20/21	BB	3RD SUBMITTAL

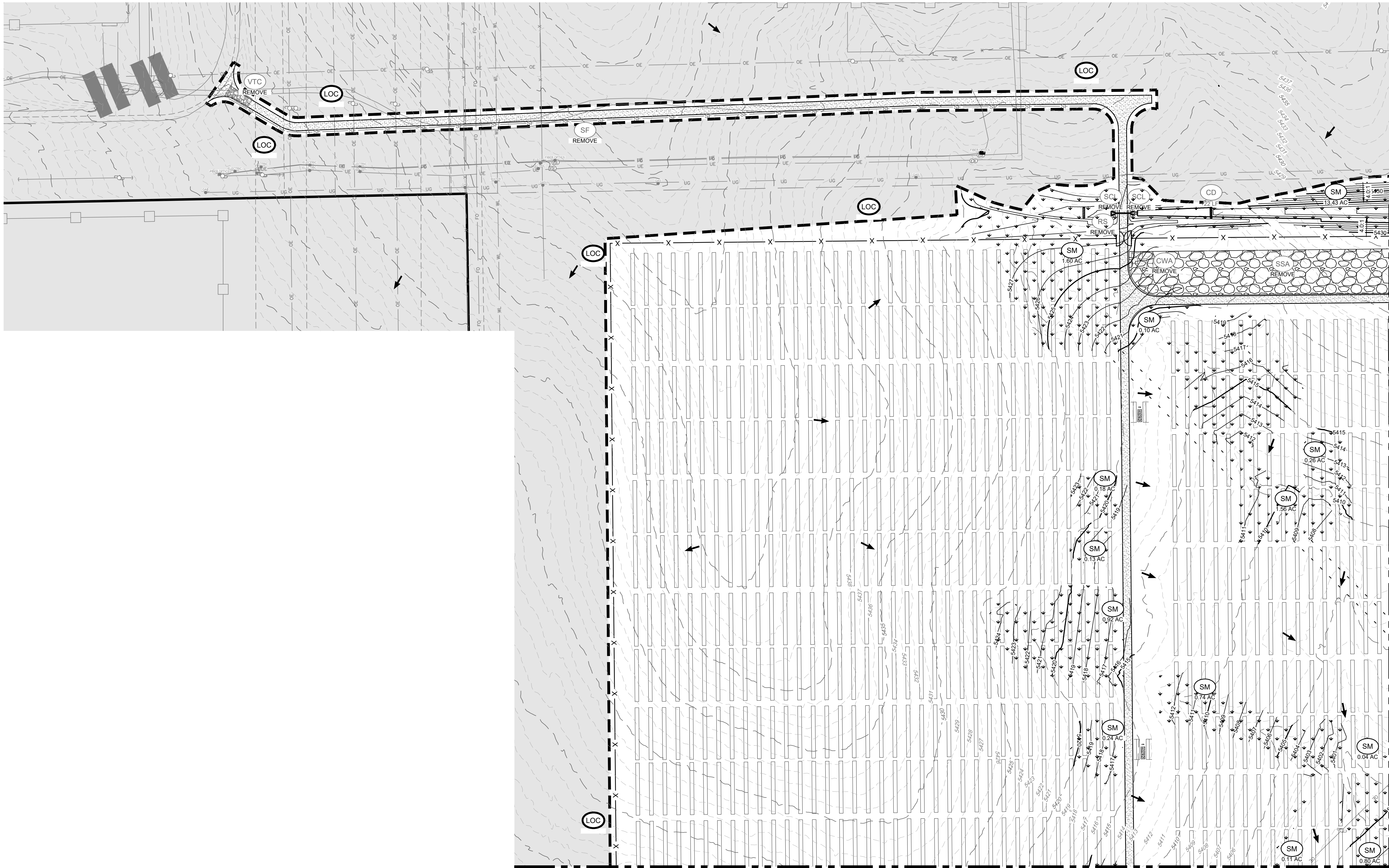
PIKE SOLAR
 EL PASO COUNTY, COLORADO
 GRADING & EROSION CONTROL PLANS
 FINAL (16 OF 24)

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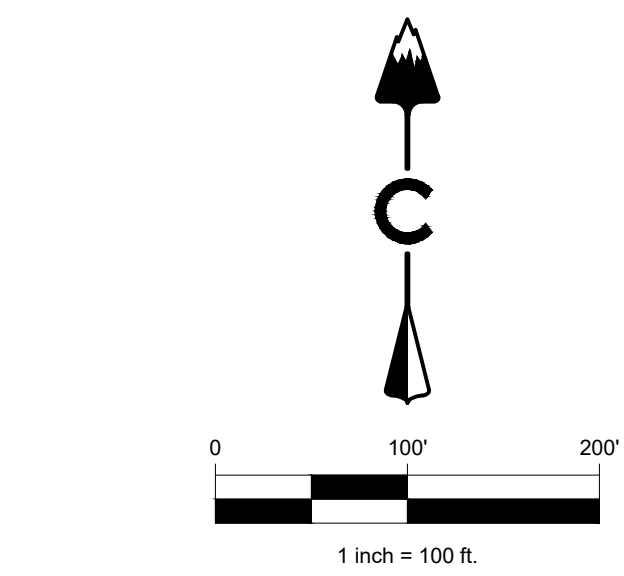
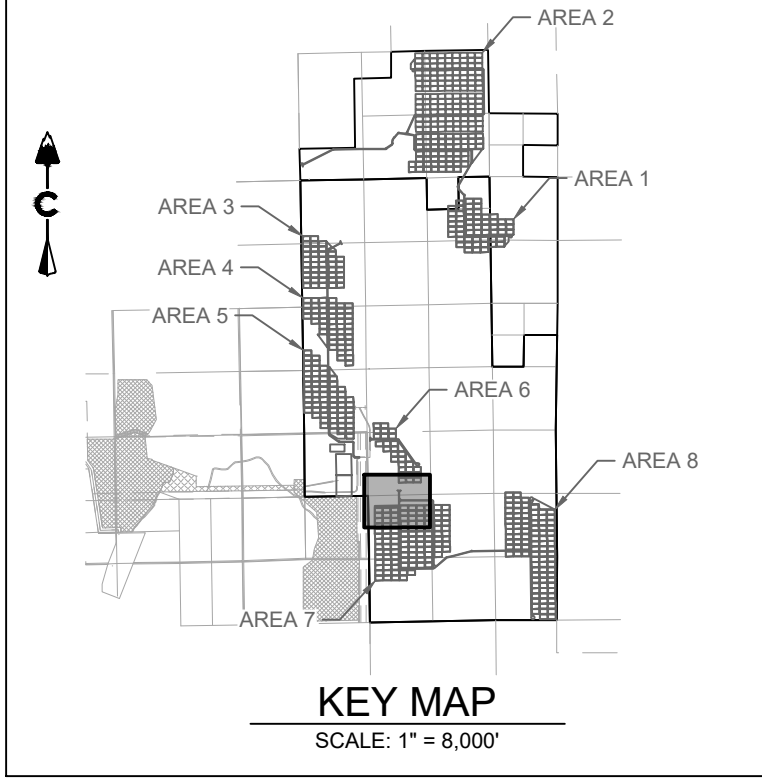
JOB NO.
20-194

SHEET
66 OF 78



MATCH LINE SHEET 69

MATCH LINE SHEET 88



LEGEND

	5280	PROPOSED MAJOR CONTOUR
	5279	PROPOSED MINOR CONTOUR
	5280	EXISTING MAJOR CONTOUR
	5279	EXISTING MINOR CONTOUR
		PHASE BOUNDARY
	(RCD)	REINFORCED CHECK DAM
	(CWA)	CONCRETE WASHOUT AREA
	(DD)	DIVERSION DITCH
	(IP)	INLET PROTECTION
	(RC)	ROCK SOCK
	(SB)	SEDIMENT BASIN
	(SCL)	SEDIMENT CONTROL LOG
	(SM)	SEEDING
	(SF)	SILT FENCE
	(SSA)	STABILIZED STAGING AREA
	(ST)	SEDIMENT TRAP
	(TSC)	TEMPORARY STREAM CROSSING
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PIKE SOLAR
EL PASO COUNTY, COLORADO
GRADING & EROSION CONTROL PLANS
FINAL (17 OF 24)

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		DATE	DATE	DATE	
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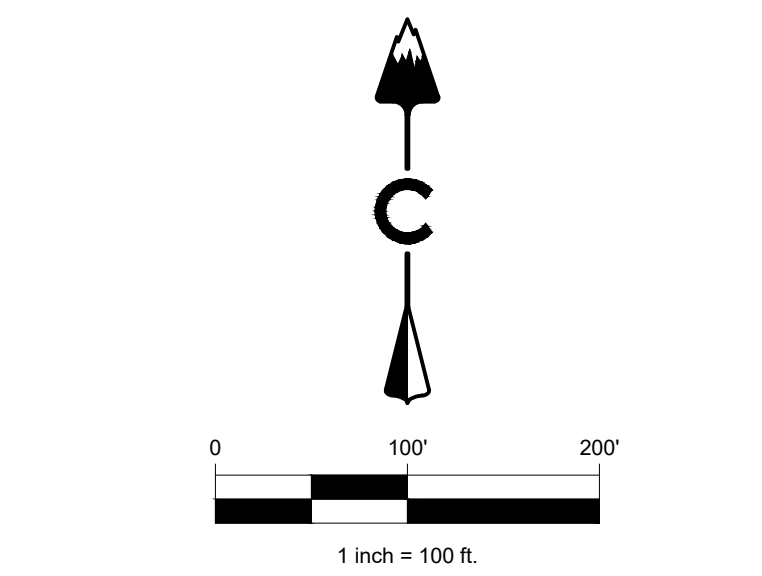
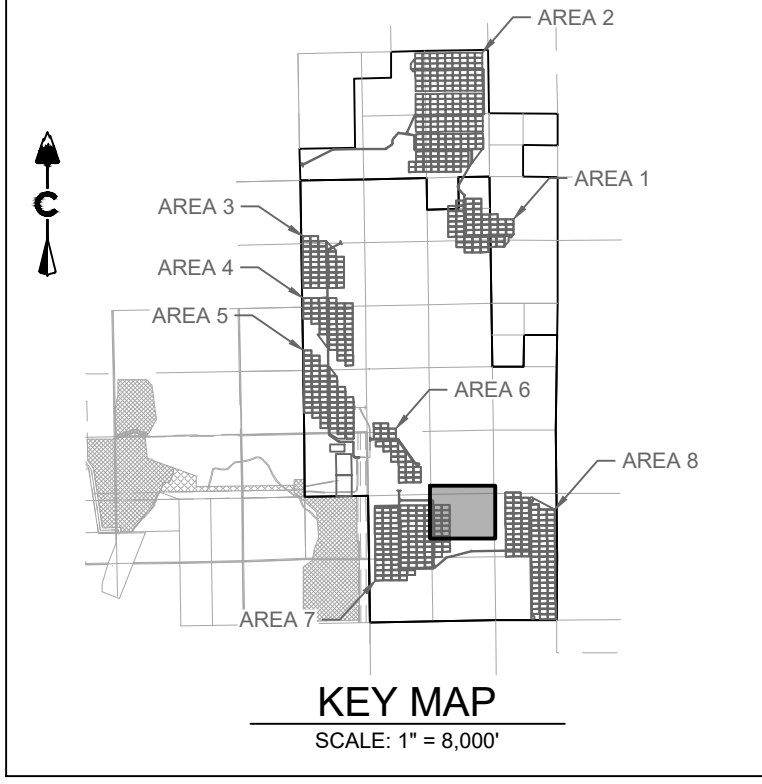
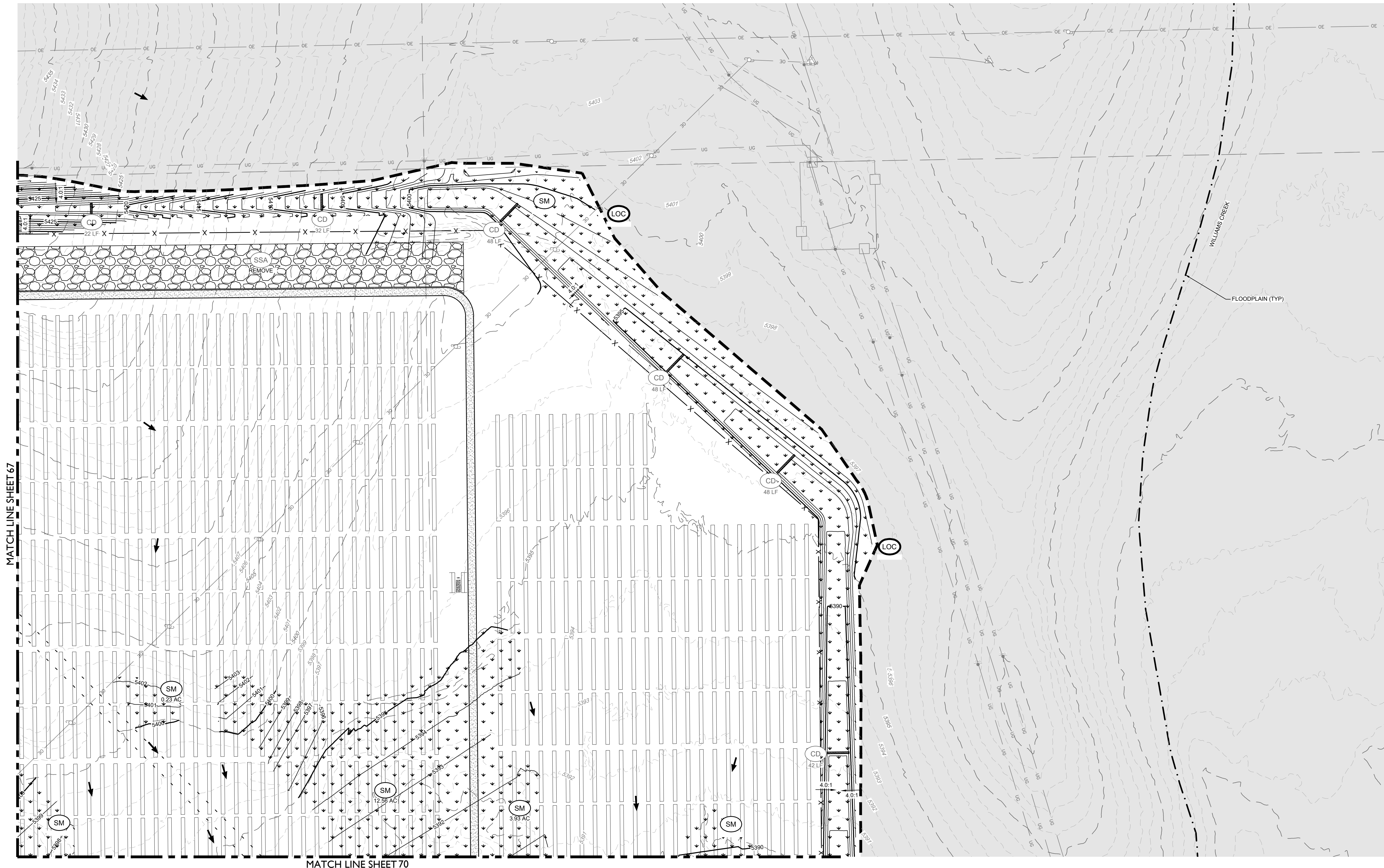
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SHEET 67 OF 78

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LEGEND

	5280	PROPOSED MAJOR CONTOUR
	5279	PROPOSED MINOR CONTOUR
	5280	EXISTING MAJOR CONTOUR
	5279	EXISTING MINOR CONTOUR
		PHASE BOUNDARY
	RC	REINFORCED CHECK DAM
	CWA	CONCRETE WASHOUT AREA
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	IP	INLET PROTECTION
	RC	ROCK SOCK
	SB	SEDIMENT BASIN
	SCL	SEDIMENT CONTROL LOG
	SM	SEEDING
	SF	SILT FENCE
	SSA	STABILIZED STAGING AREA
	ST	SEDIMENT TRAP
	TSC	TEMPORARY STREAM CROSSING
	VTC	VEHICLE TRACKING CONTROL

- NOTES:**
1. SEE COVER SHEET FOR EL PASO COUNTY GEC STANDARD NOTES.
 2. SEE SHEETS 74-75 FOR EROSION CONTROL DETAILS.
 3. SHADED CONTROL MEASURES WERE INSTALLED IN INITIAL OR INTERIM PLANS AND, UNLESS OTHERWISE INDICATED SHALL BE LEFT IN PLACE UNTIL REVEGETATION ESTABLISHMENT IS APPROVED BY THE CITY.
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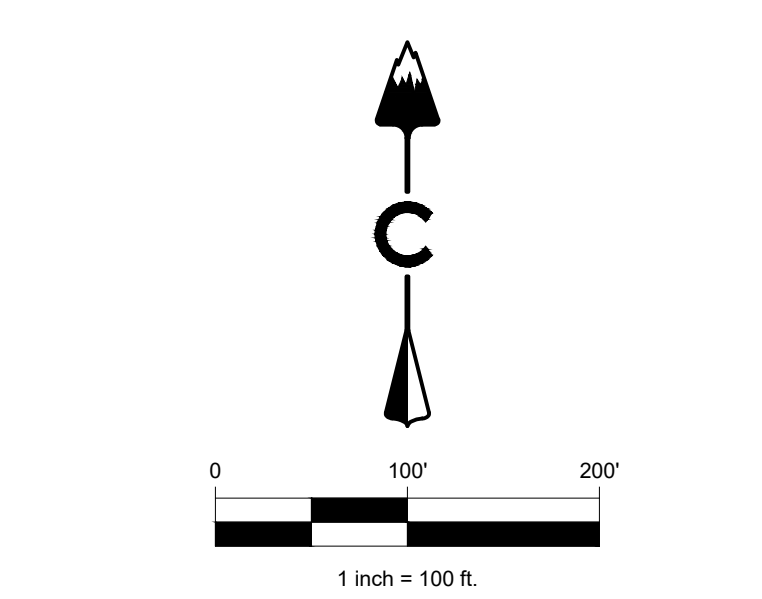
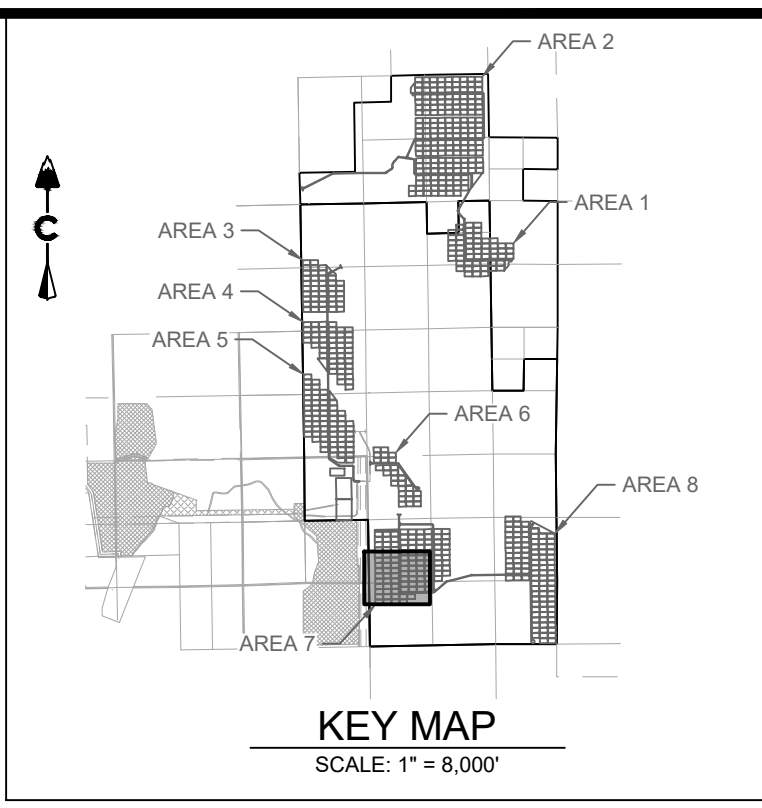
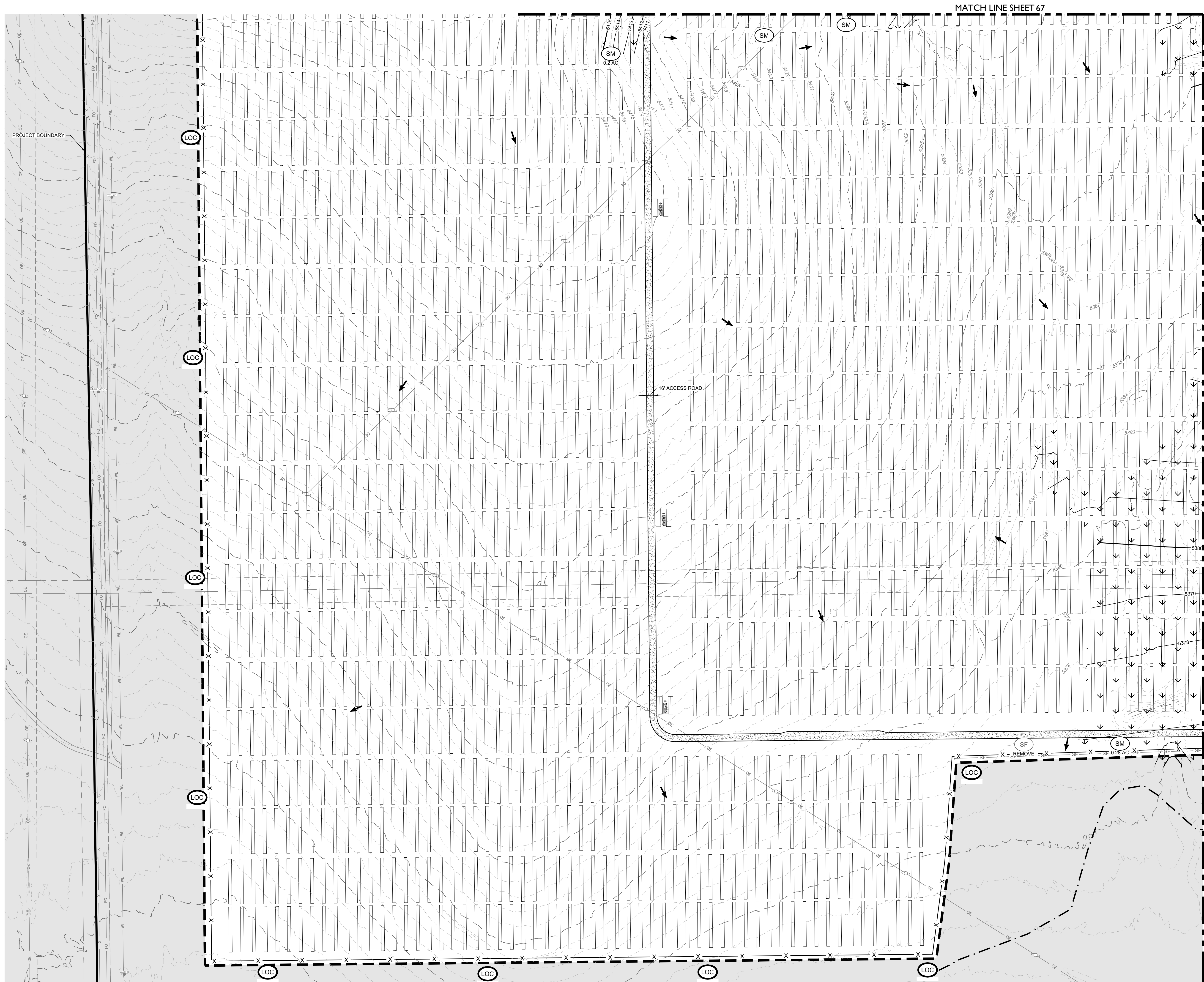
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 EL PASO COUNTY, COLORADO
 GRADING & EROSION CONTROL PLANS
 FINAL (18 OF 24)

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JOB NO.
20-194

SHEET
68 OF 78



LEGEND

	5280	PROPOSED MAJOR CONTOUR
	5279	PROPOSED MINOR CONTOUR
	5280	EXISTING MAJOR CONTOUR
	5279	EXISTING MINOR CONTOUR
		PHASE BOUNDARY
	(RCD)	REINFORCED CHECK DAM
	(CWA)	CONCRETE WASHOUT AREA
	(DD)	DIVERSION DITCH
	(IP)	INLET PROTECTION
	(RC)	ROCK SOCK
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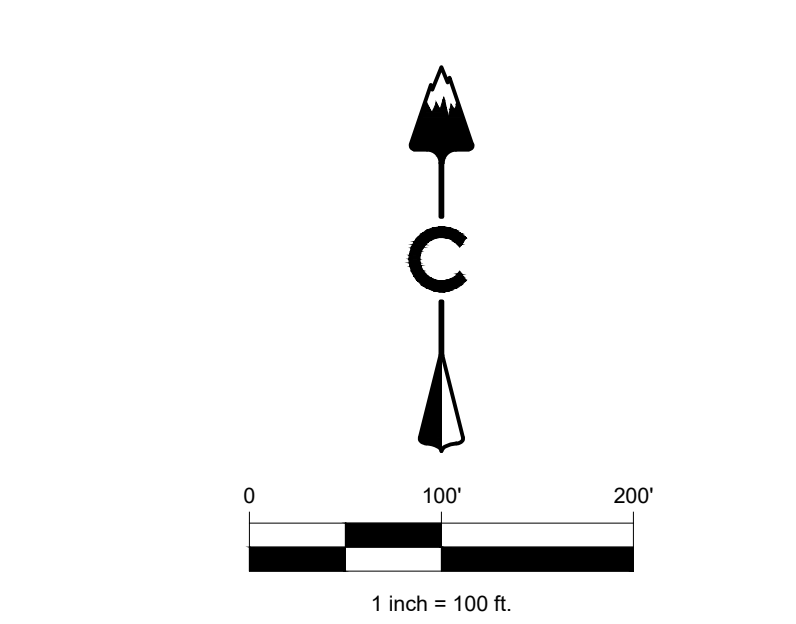
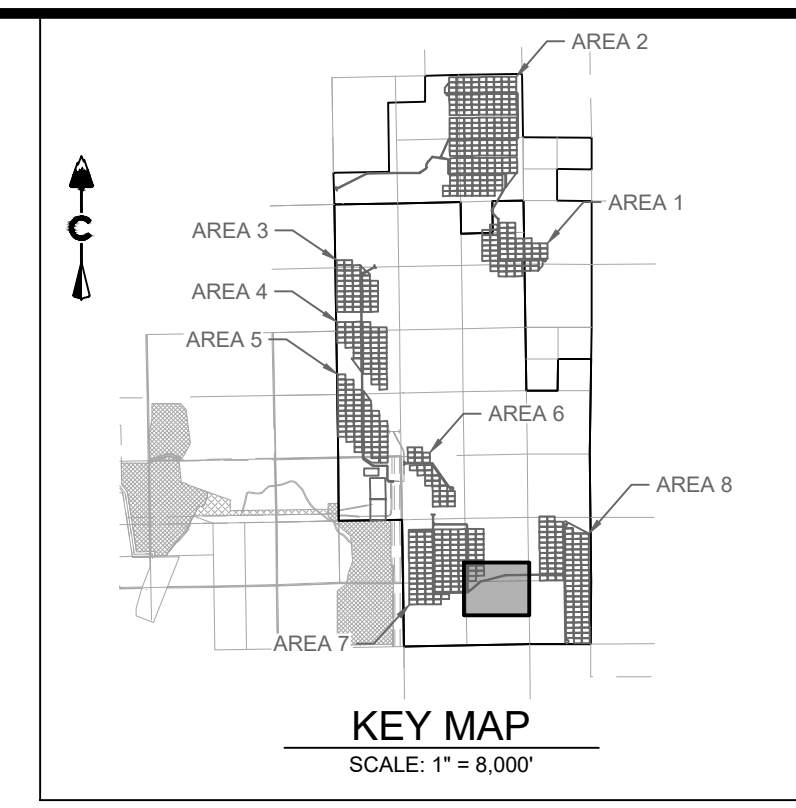
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LEGEND

5280	PROPOSED MAJOR CONTOUR
5279	PROPOSED MINOR CONTOUR
5280	EXISTING MAJOR CONTOUR
5279	EXISTING MINOR CONTOUR
- - - - -	PHASE BOUNDARY
[Symbol]	REINFORCED CHECK DAM (RCD)
[Symbol]	CONCRETE WASHOUT AREA (CWA)
[Symbol]	DIVERSION DITCH (DD)
[Symbol]	INLET PROTECTION (IP)
[Symbol]	ROCK SOCK (RC)
[Symbol]	SEDIMENT BASIN (SB)
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[Symbol]	SEEDING (SM)
[Symbol]	SILT FENCE (SF)
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[Symbol]	SEDIMENT TRAP (ST)
[Symbol]	TEMPORARY STREAM CROSSING (TSC)
[Symbol]	VEHICLE TRACKING CONTROL (VTC)

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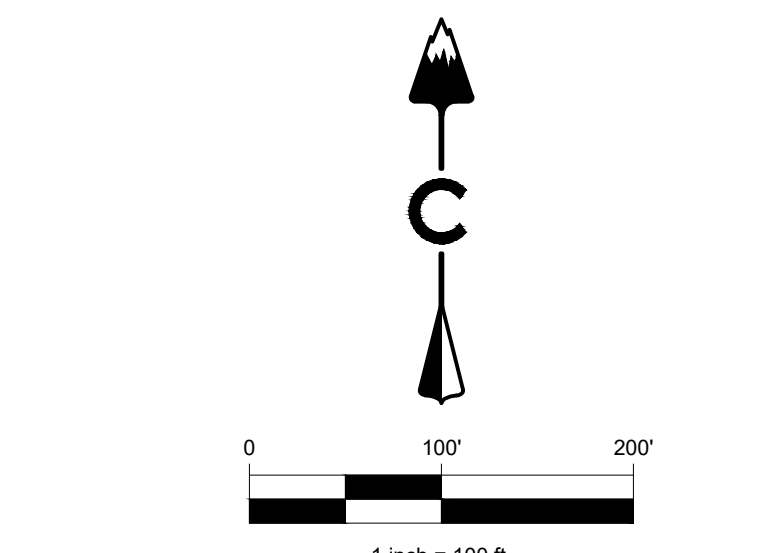
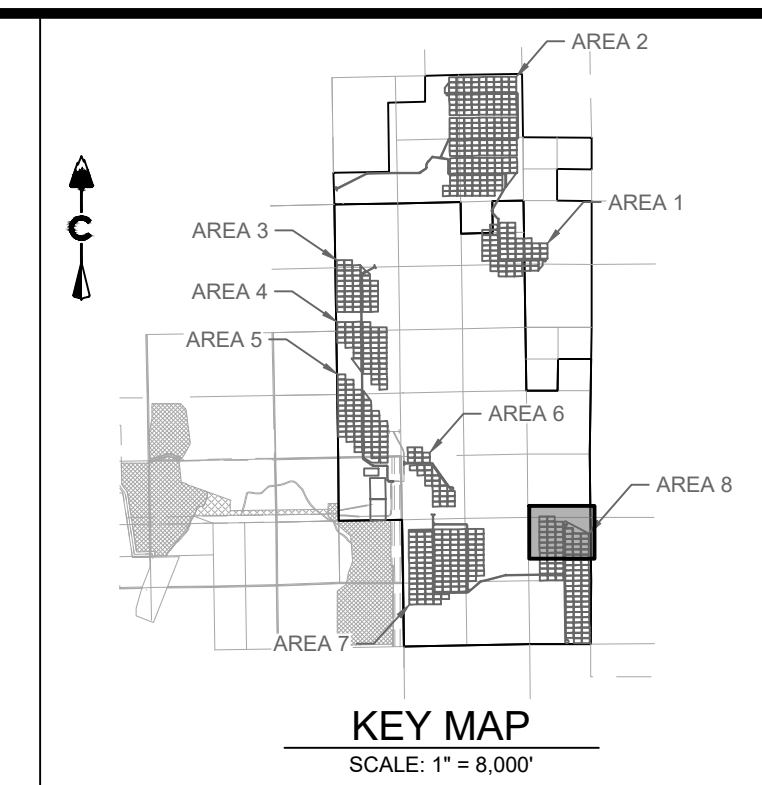
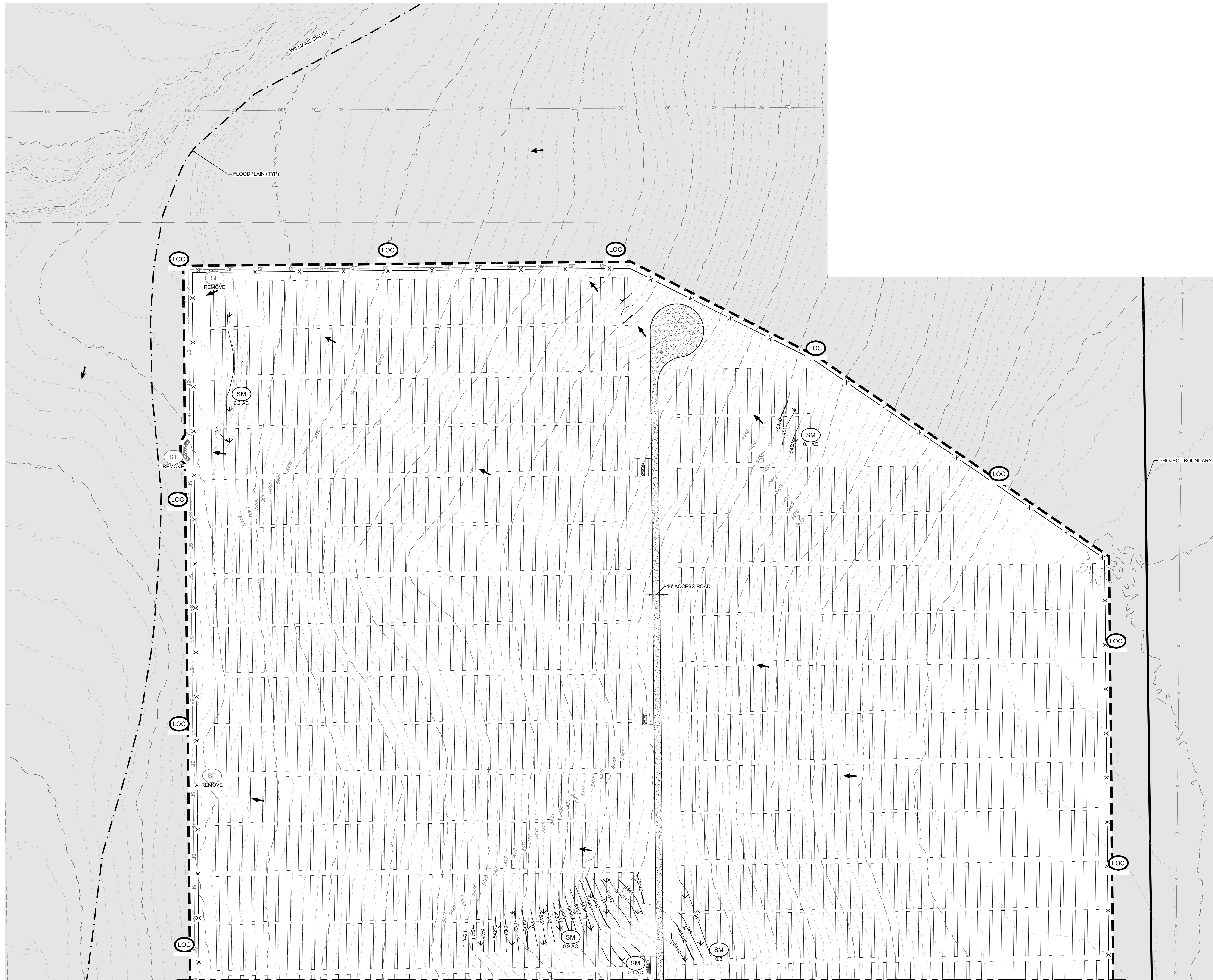
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LEGEND

— 5280	PROPOSED MAJOR CONTOUR
— 5279	PROPOSED MINOR CONTOUR
- - - 5280	EXISTING MAJOR CONTOUR
- - - 5279	EXISTING MINOR CONTOUR
- - - - -	PHASE BOUNDARY
[Symbol]	RCI REINFORCED CHECK DAM
[Symbol]	CWA CONCRETE WASHOUT AREA
[Symbol]	DD DIVERSION DITCH
[Symbol]	IP INLET PROTECTION
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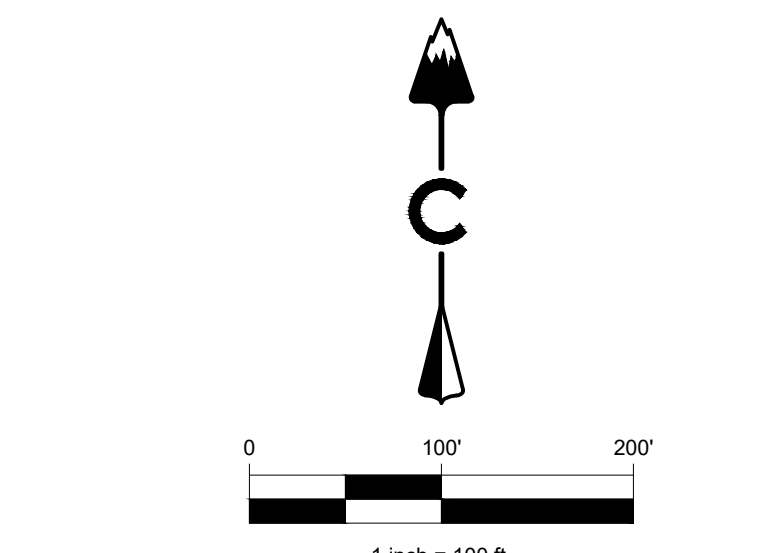
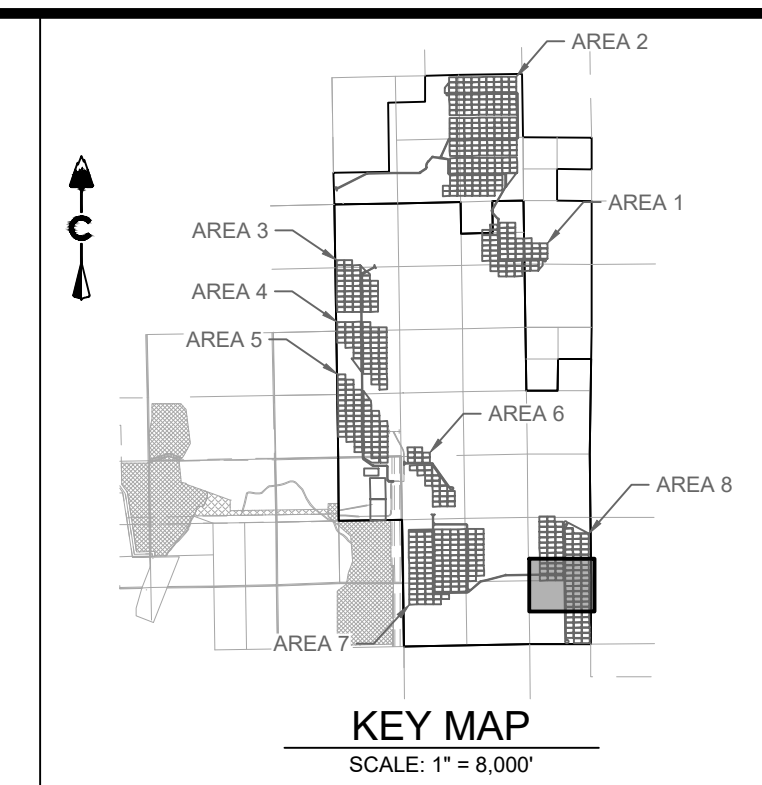
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LEGEND

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POD 8 EARTHWORK
 CUT: 4,211 CY
 FILL: 4,153 CY
 TOTAL: 58 CY (CUT)

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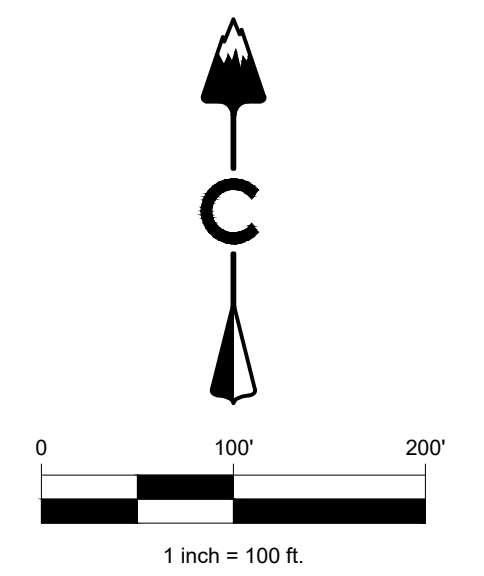
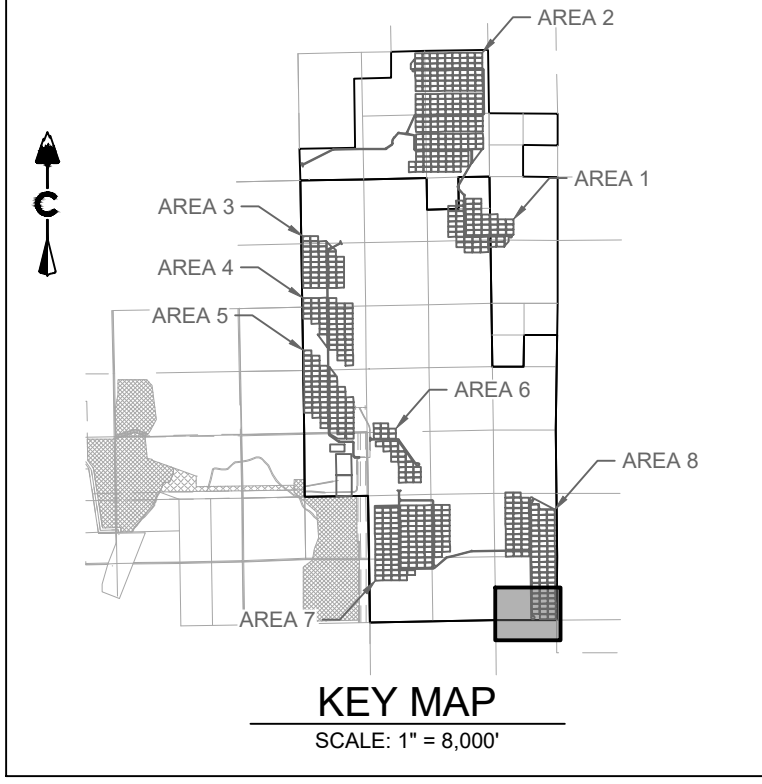
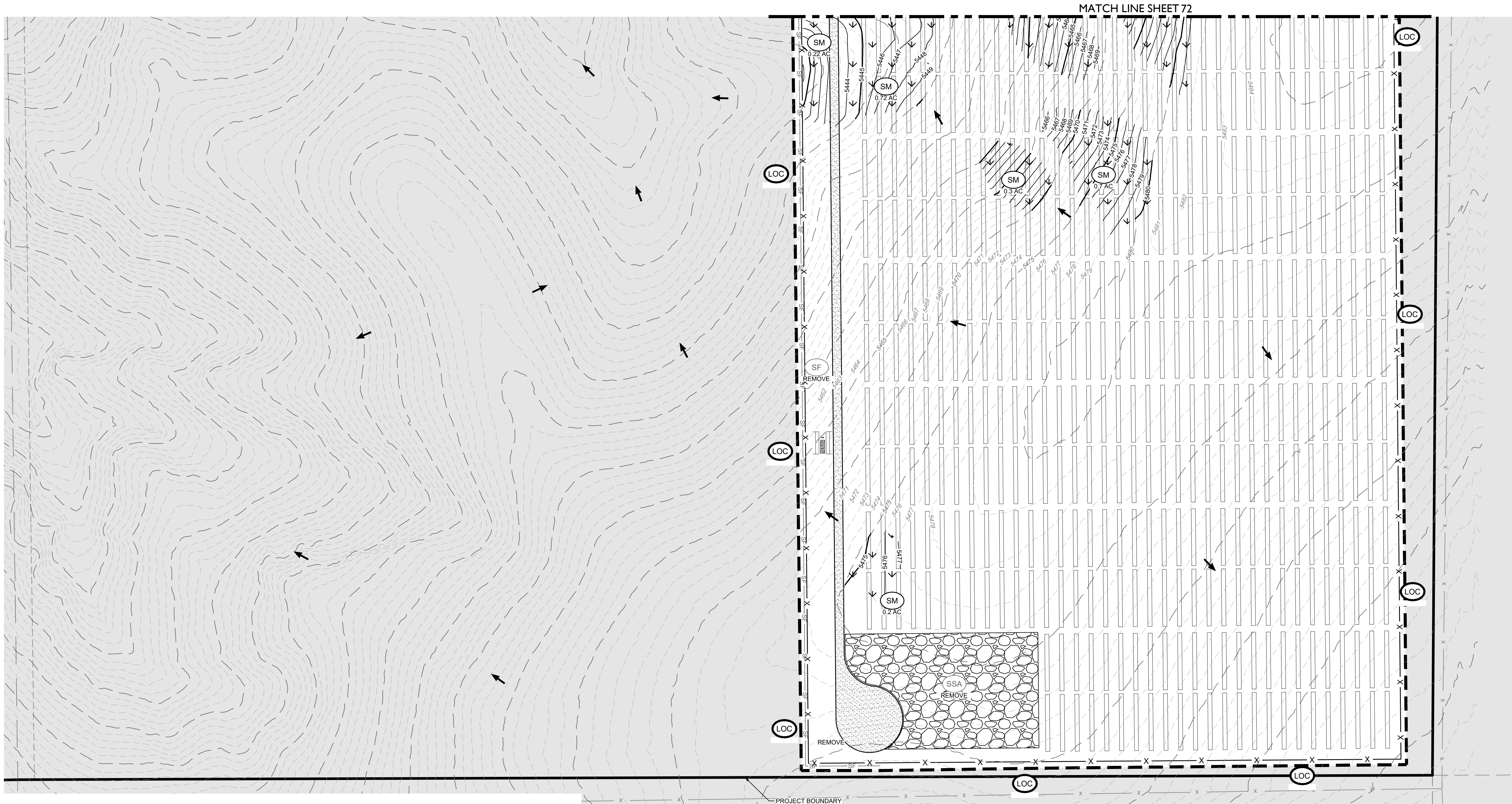
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 GRADING & EROSION CONTROL PLANS
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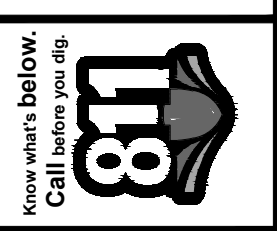


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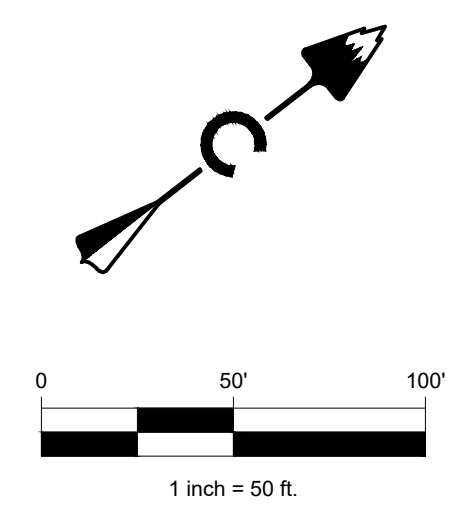
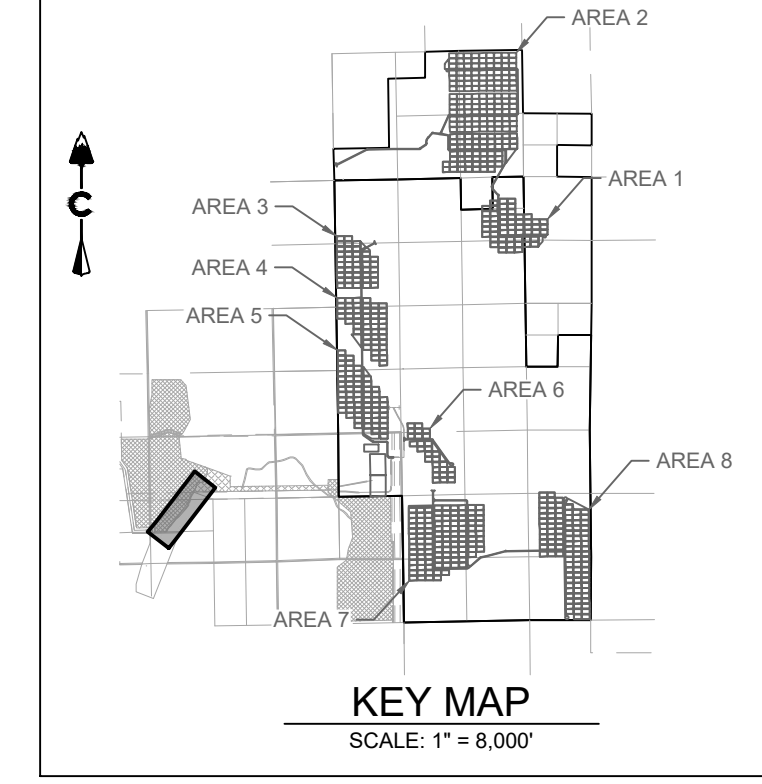
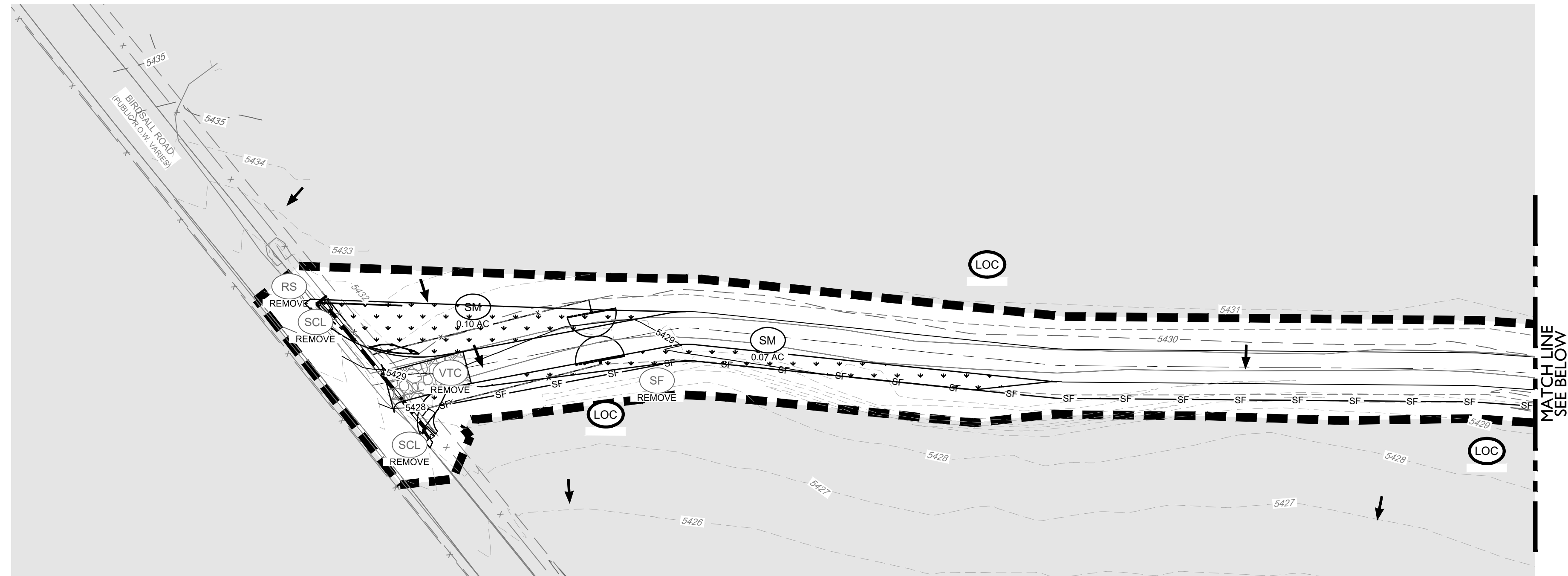
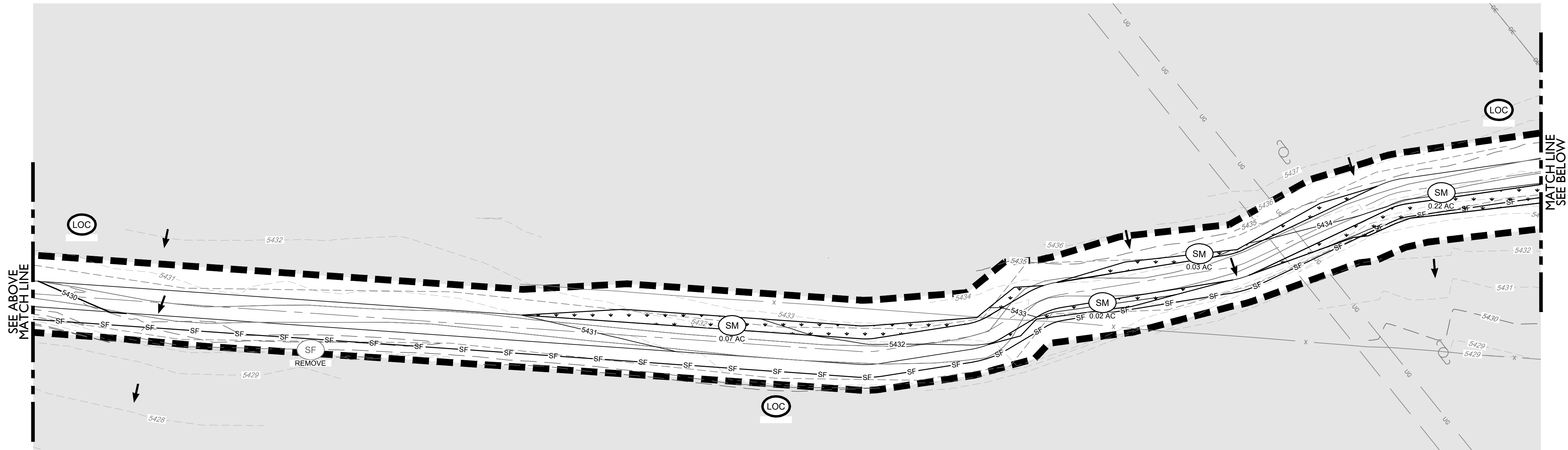
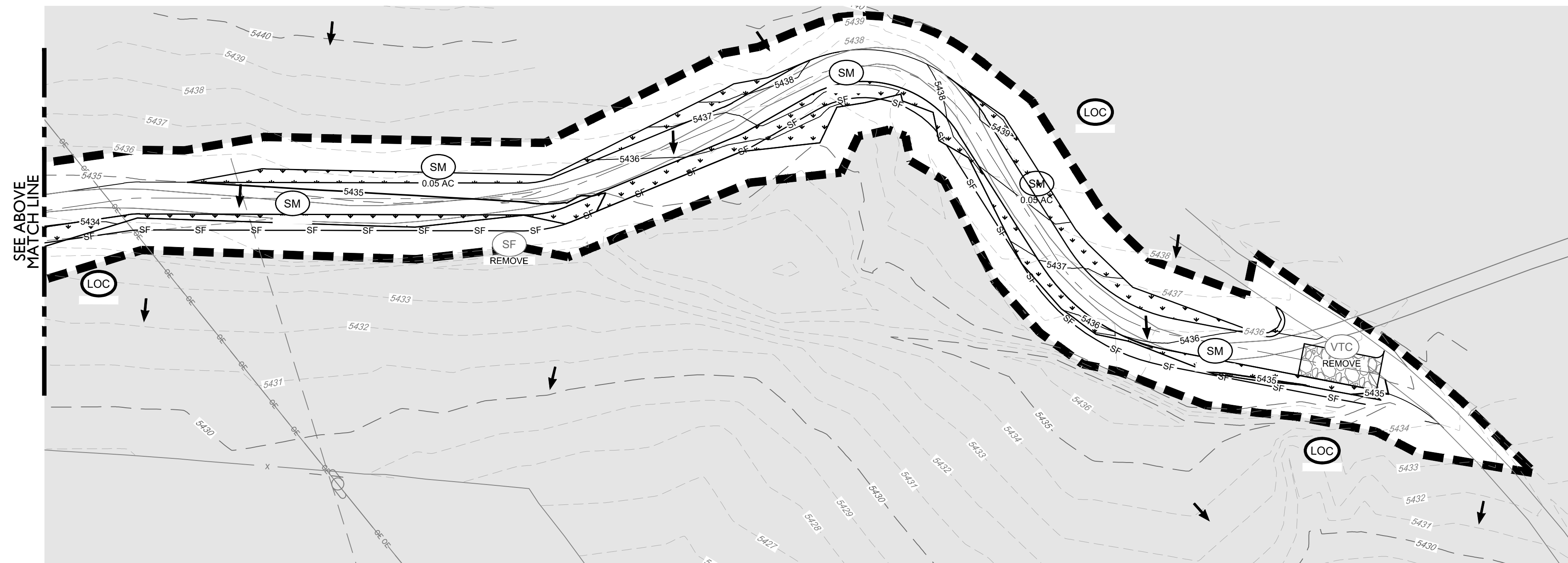
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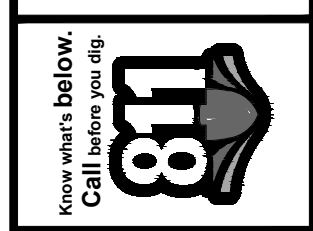
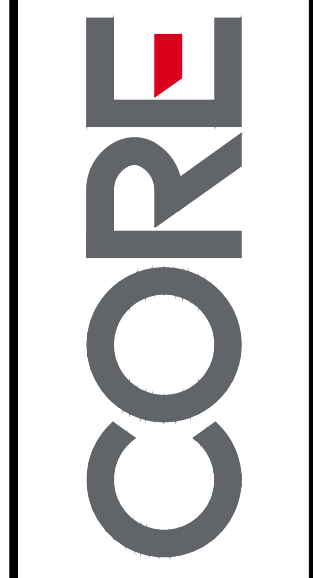


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 - ALL INTERIM EROSION AND SEDIMENT CONTROL MEASURES INCLUDING DRILL SEEDING AND CRIMP MULCHING OF DISTURBED AREAS MUST BE INSTALLED, INSPECTED, AND APPROVED BY THE CITY PRIOR TO THE ISSUANCE OF CONSTRUCTION PERMITS.
 - SOIL COMPACTION WILL BE MINIMIZED IN AREAS THAT WILL BE REVEGETATED AT THE END OF CONSTRUCTION UNLESS INFEASIBLE. SOIL WILL BE SCARIFIED TO REMOVE EFFECTS OF COMPACTION TO THE EXTENT PRACTICABLE BEFORE RESEEDING.
 - SEE CONSTRUCTION PLANS FOR DETAILS OF PERMANENT DRAINAGE FACILITIES SUCH AS DETENTION FACILITIES, WATER QUALITY FACILITIES, CULVERTS, STORM DRAINS, AND OUTLET PROTECTION.

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 74 OF 78

EL PASO COUNTY CONSERVATION DISTRICT
SHOTGUN MIX

Non Irrigated
PLS Rate per acre

Common Name	Recommended Cultivar	% of seed mix	Drill	Broadcast
Bluestem, Big Native	Kaw, Bison, Champ	20.0 %	5.5	11.
Grama, Blue Native	Lovington, Hachita, Alma	10.0%	1.5	3
Green Needlegrass Native	Lodorm	10.0%	5.0	10
Wheatgrass, Western Native	Amba, Barton	20.0%	8	16
Grama, Sideoats Native	Vaughn, Butte, El Reno, Niner	10.0%	4.5	9
Switchgrass Native	Blackwell, Greenville	10%	2	4
Prairie Sandreed Native	Goshen, Pronghorn	10.0%	3.5	7.0
Yellow Indiangrass Native	Cheyenne, Holt, Llano	10.0%	5.0	10

El Paso County Conservation District
5610 Industrial Pl. Suite 100
Colorado Springs, CO 80916

719-600-4706
www.epccd.org

EC-8 Temporary Outlet Protection (TOP)

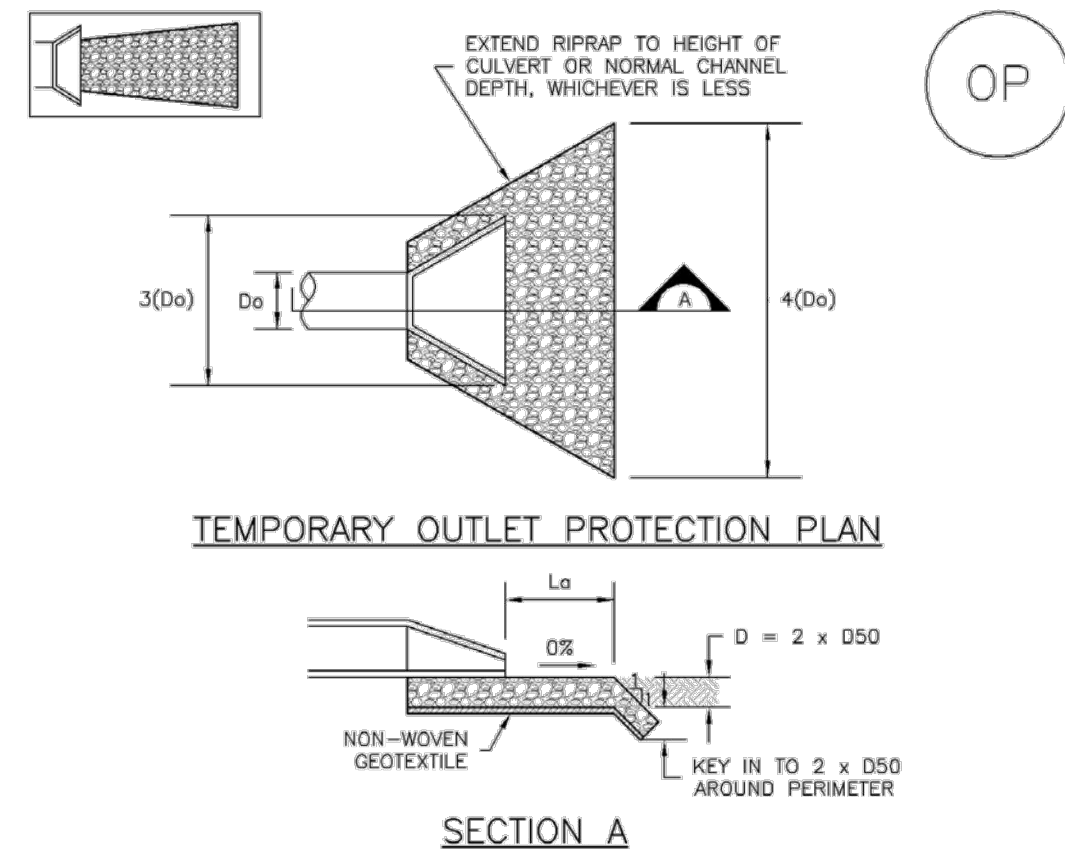


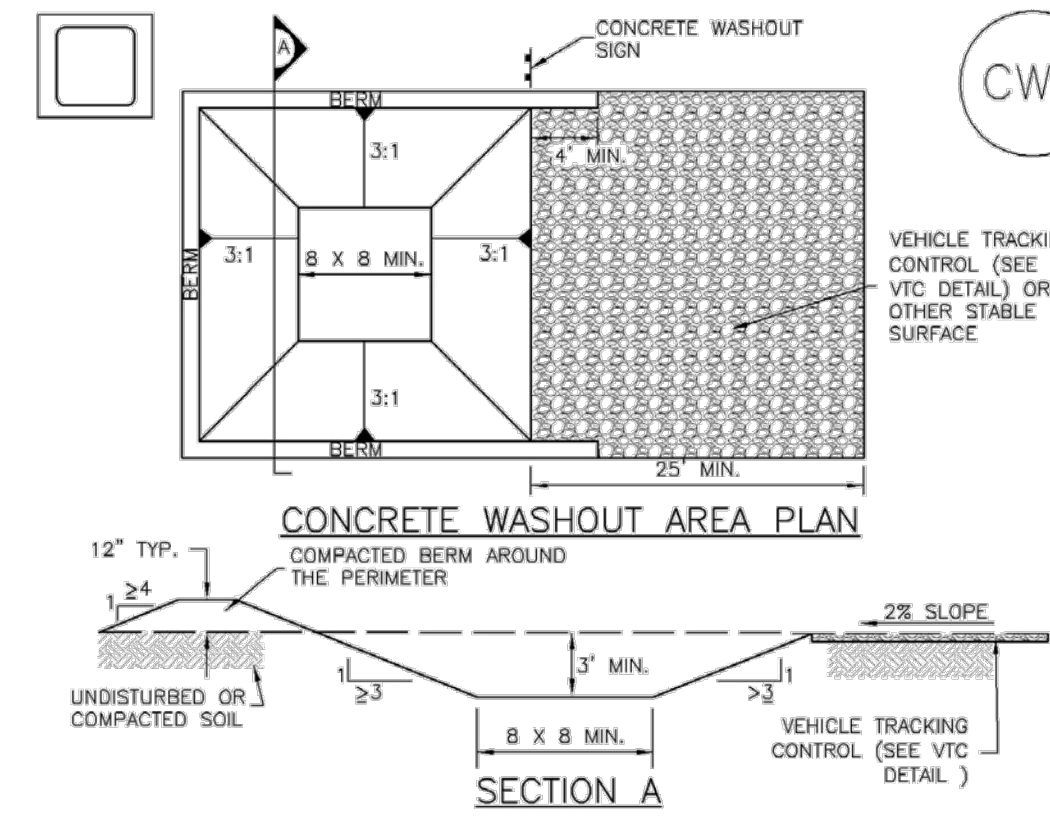
TABLE OP-1. TEMPORARY OUTLET PROTECTION SIZING TABLE

PIPE DIAMETER, D _p (INCHES)	DISCHARGE, Q (CFS)	APRON LENGTH, L _a (FT)	RIPRAP D ₅₀ DIAMETER MIN (INCHES)
8	2.5	5	4
	5	10	6
12	3	10	4
	10	13	6
18	10	10	6
	20	16	9
	30	23	12
	40	26	16
24	30	16	9
	50	26	12
	60	30	16

OP-1. TEMPORARY OUTLET PROTECTION

TOP-2 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

MM-1 Concrete Washout Area (CWA)

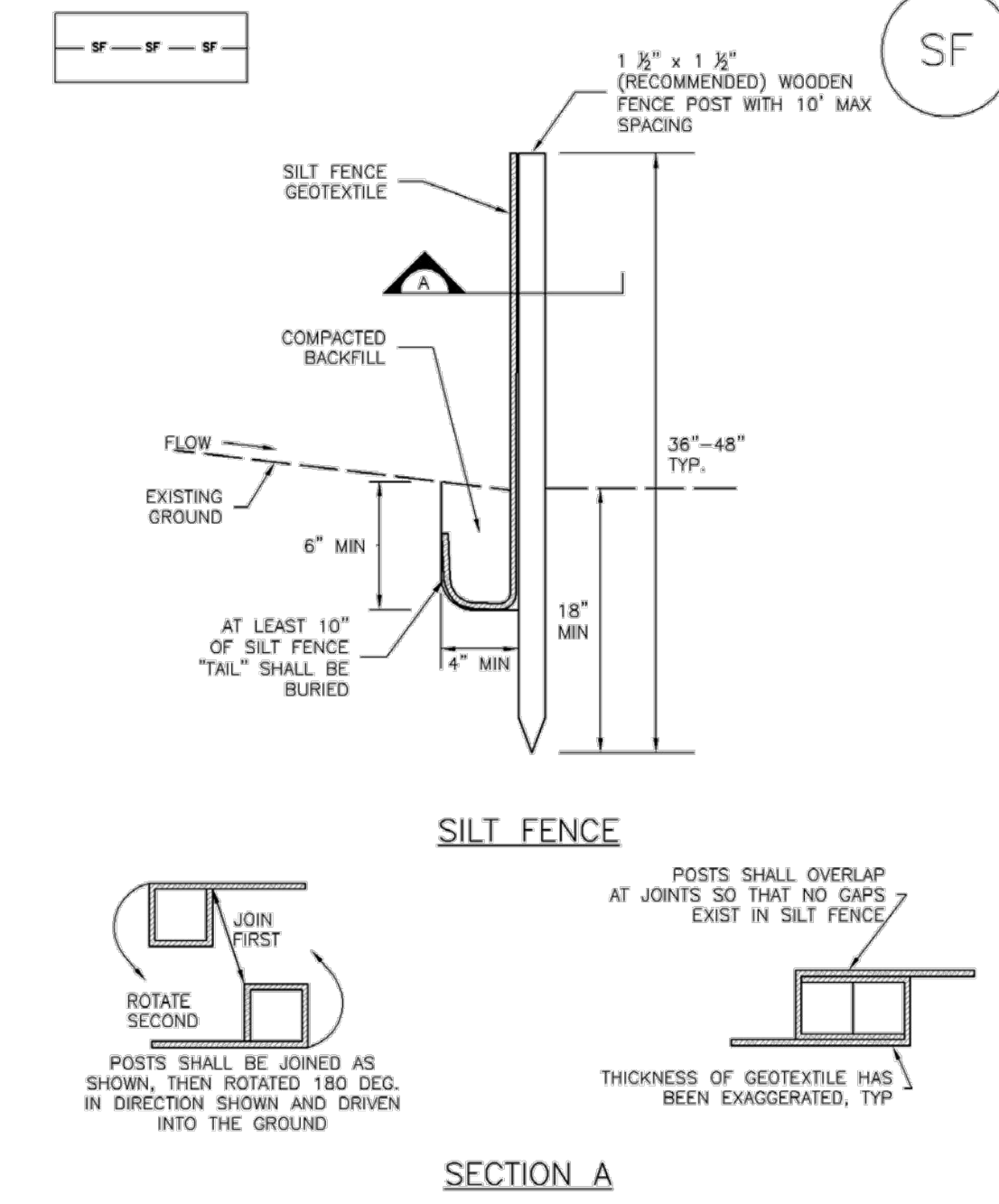


CWA-1. CONCRETE WASHOUT AREA

- CWA INSTALLATION NOTES
- SEE PLAN VIEW FOR -CWA INSTALLATION LOCATION.
 - DO NOT LOCATE AN UNLINED CWA WITHIN 400' OF ANY NATURAL DRAINAGE PATHWAY OR WATERBODY. DO NOT LOCATE WITHIN 1,000' OF ANY WELLS OR DRINKING WATER SOURCES. IF SITE CONSTRAINTS MAKE THIS INFEASIBLE, OR IF HIGHLY PERMEABLE SOILS EXIST ON SITE, THE CWA MUST BE INSTALLED WITH AN IMPERMEABLE LINER (16 MIL MIN. THICKNESS) OR SURFACE STORAGE ALTERNATIVES USING PREFABRICATED CONCRETE WASHOUT DEVICES OR A LINED ABOVE GROUND STORAGE ARE SHOULD BE USED.
 - THE CWA SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE.
 - CWA SHALL INCLUDE A FLAT SUBSURFACE PIT THAT IS AT LEAST 8' BY 8' SLOPES LEADING OUT OF THE SUBSURFACE PIT SHALL BE 3:1 OR FLATTER. THE PIT SHALL BE AT LEAST 3' DEEP.
 - BERM SURROUNDING SIDES AND BACK OF THE CWA SHALL HAVE MINIMUM HEIGHT OF 1'.
 - VEHICLE TRACKING PAD SHALL BE SLOPED 2% TOWARDS THE CWA.
 - SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE CWA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CWA TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS.
 - USE EXCAVATED MATERIAL FOR PERIMETER BERM CONSTRUCTION.

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 CWA-3

SC-1 Silt Fence (SF)



SF-1. SILT FENCE

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SF-3

Temporary Outlet Protection (TOP) EC-8

- TEMPORARY OUTLET PROTECTION INSTALLATION NOTES
- SEE PLAN VIEW FOR -LOCATION OF OUTLET PROTECTION. -DIMENSIONS OF OUTLET PROTECTION.
 - DETAIL IS INTENDED FOR PIPES WITH SLOPE < 10%. ADDITIONAL EVALUATION OF RIPRAP SIZING AND OUTLET PROTECTION DIMENSIONS REQUIRED FOR STEEPER SLOPES.
 - TEMPORARY OUTLET PROTECTION INFORMATION IS FOR OUTLETS INTENDED TO BE UTILIZED LESS THAN 2 YEARS.
- TEMPORARY OUTLET PROTECTION INSPECTION AND MAINTENANCE NOTES
- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
 - FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
- NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.
- (DETAILS ADAPTED FROM AURORA, COLORADO AND PREVIOUS VERSION OF VOLUME 3, NOT AVAILABLE IN AUTOCAD)

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 TOP-3

MM-1 Concrete Washout Area (CWA)

- CWA MAINTENANCE NOTES
- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
 - FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 - THE CWA SHALL BE REPAIRED, CLEANED, OR ENLARGED AS NECESSARY TO MAINTAIN CAPACITY FOR CONCRETE WASTE, CONCRETE MATERIALS, ACCUMULATED IN PIT, SHALL BE REMOVED ONCE THE MATERIALS HAVE REACHED A DEPTH OF 2'.
 - CONCRETE WASHOUT WATER, WASTED PIECES OF CONCRETE AND ALL OTHER DEBRIS IN THE SUBSURFACE PIT SHALL BE TRANSPORTED FROM THE JOB SITE IN A WATER-TIGHT CONTAINER AND DISPOSED OF PROPERLY.
 - THE CWA SHALL REMAIN IN PLACE UNTIL ALL CONCRETE FOR THE PROJECT IS PLACED.
 - WHEN THE CWA IS REMOVED, COVER THE DISTURBED AREA WITH TOP SOIL, SEED AND MULCH OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.
- (DETAIL ADAPTED FROM DOUGLAS COUNTY, COLORADO AND THE CITY OF PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD)
- NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

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SC-1 Silt Fence (SF)

- SILT FENCE INSTALLATION NOTES
- SILT FENCE MUST BE PLACED AWAY FROM THE TOE OF THE SLOPE TO ALLOW FOR WATER PONDING. SILT FENCE AT THE TOE OF A SLOPE SHOULD BE INSTALLED IN A FLAT LOCATION AT LEAST SEVERAL FEET (2-5 FT) FROM THE TOE OF THE SLOPE TO ALLOW ROOM FOR PONDING AND DEPOSITION.
 - A UNIFORM 6" X 4" ANCHOR TRENCH SHALL BE EXCAVATED USING TRENCHER OR SILT FENCE INSTALLATION DEVICE. NO ROAD GRADERS, BACKHOES, OR SIMILAR EQUIPMENT SHALL BE USED.
 - COMPACT ANCHOR TRENCH BY HAND WITH A "JUMPING JACK" OR BY WHEEL ROLLING. COMPACTION SHALL BE SUCH THAT SILT FENCE RESISTS BEING PULLED OUT OF ANCHOR TRENCH BY HAND.
 - SILT FENCE SHALL BE PULLED TIGHT AS IT IS ANCHORED TO THE STAKES. THERE SHOULD BE NO NOTICEABLE SAG BETWEEN STAKES AFTER IT HAS BEEN ANCHORED TO THE STAKES.
 - SILT FENCE FABRIC SHALL BE ANCHORED TO THE STAKES USING 1" HEAVY DUTY STAPLES OR NAILS WITH 1" HEADS. STAPLES AND NAILS SHOULD BE PLACED 3" ALONG THE FABRIC DOWN THE STAKE.
 - AT THE END OF A RUN OF SILT FENCE ALONG A CONTOUR, THE SILT FENCE SHOULD BE TURNED PERPENDICULAR TO THE CONTOUR TO CREATE A "J-HOOK." THE "J-HOOK" EXTENDING PERPENDICULAR TO THE CONTOUR SHOULD BE OF SUFFICIENT LENGTH TO KEEP RUNOFF FROM FLOWING AROUND THE END OF THE SILT FENCE (TYPICALLY 10' - 20').
 - SILT FENCE SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.
- SILT FENCE MAINTENANCE NOTES
- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
 - FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 - SEDIMENT ACCUMULATED UPSTREAM OF THE SILT FENCE SHALL BE REMOVED AS NEEDED TO MAINTAIN THE FUNCTIONALITY OF THE BMP, TYPICALLY WHEN DEPTH OF ACCUMULATED SEDIMENTS IS APPROXIMATELY 6".
 - REPAIR OR REPLACE SILT FENCE WHEN THERE ARE SIGNS OF WEAR, SUCH AS SAGGING, TEARING, OR COLLAPSE.
 - SILT FENCE IS TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION, OR IS REPLACED BY AN EQUIVALENT PERIMETER SEDIMENT CONTROL BMP.
 - WHEN SILT FENCE IS REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.
- (DETAIL ADAPTED FROM TOWN OF PARKER, COLORADO AND CITY OF AURORA, NOT AVAILABLE IN AUTOCAD)
- NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

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#	REVISION DESCRIPTION	DATE	BY
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2	BID SET	04/07/21	DB
3	2ND SUBMITTAL	10/20/21	RS

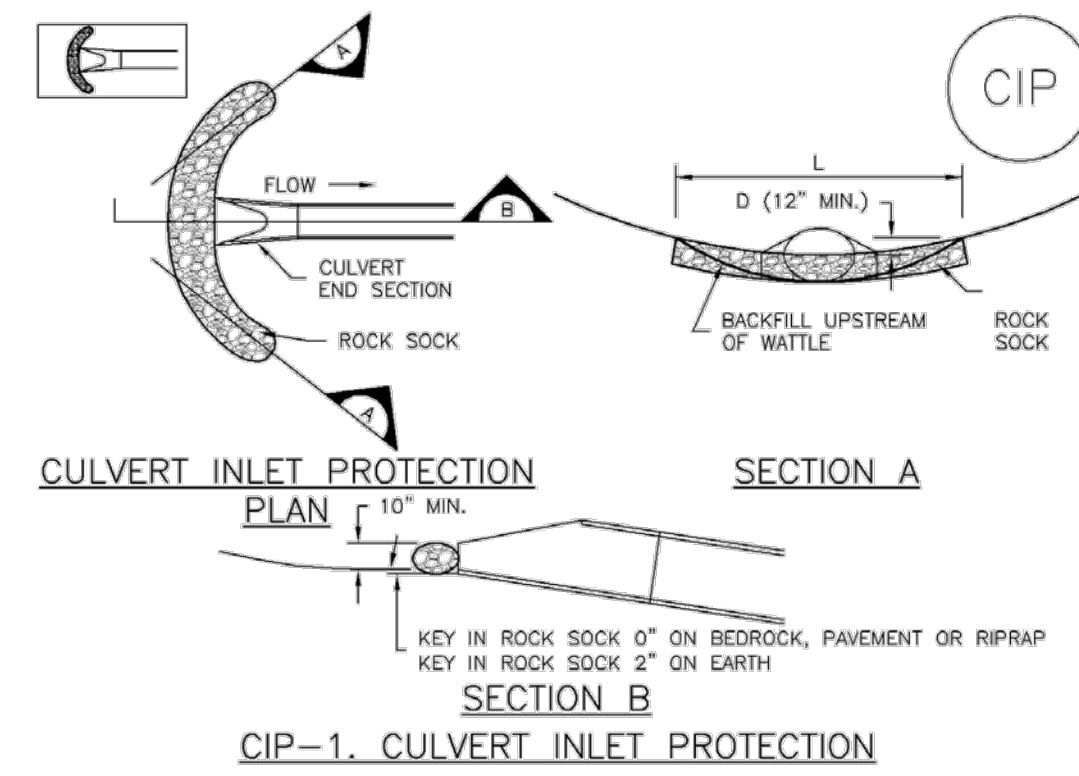
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GRADING & EROSION CONTROL PLANS
DETAILS (1 OF 4)

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DRAWN BY: SD
CHECKED BY: DB

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SHEET 75 OF 78

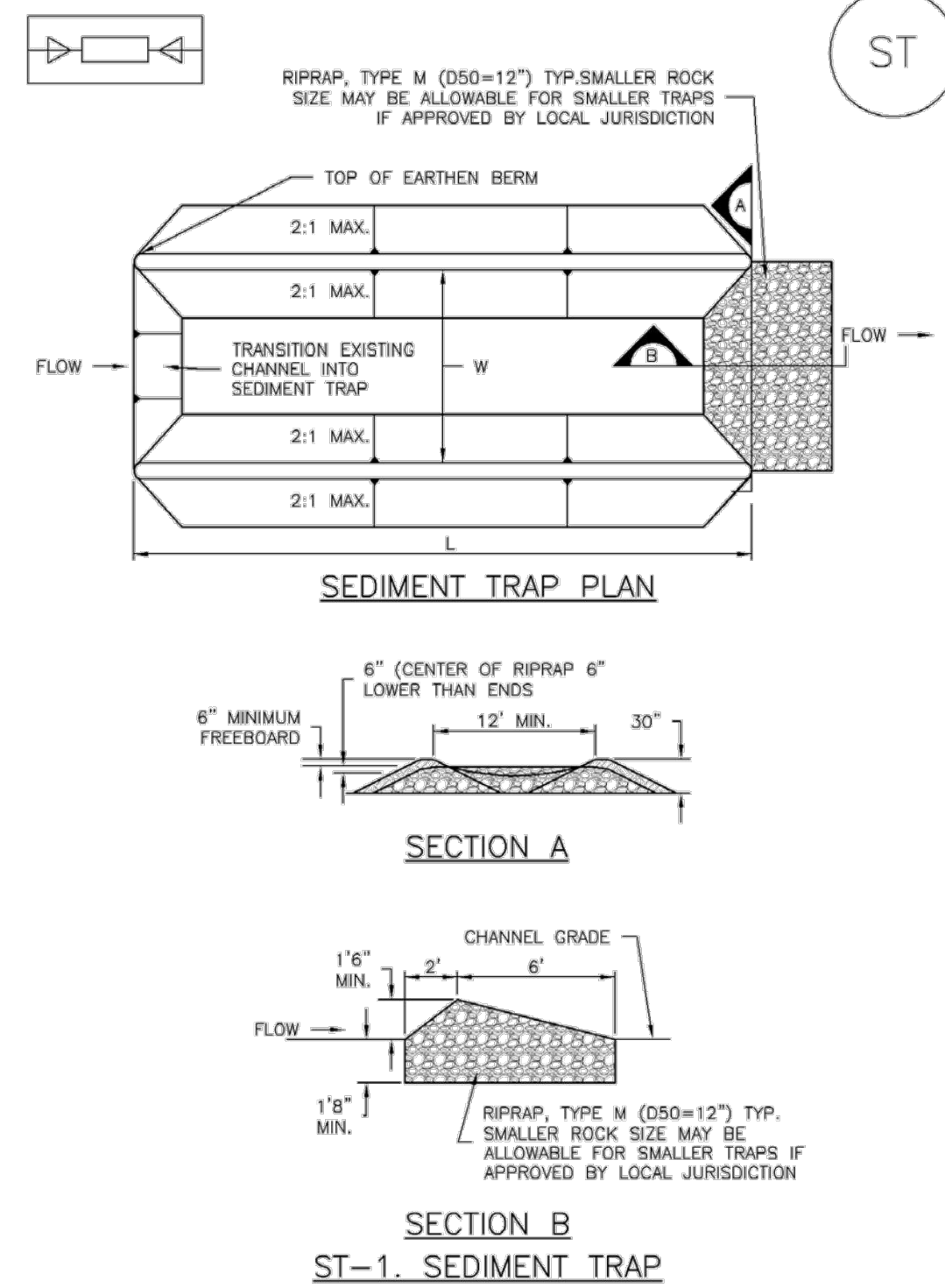
Inlet Protection (IP) SC-6



- CIP-1. CULVERT INLET PROTECTION**
- CULVERT INLET PROTECTION INSTALLATION NOTES**
- SEE PLAN VIEW FOR -LOCATION OF CULVERT INLET PROTECTION.
 - SEE ROCK SOCK DESIGN DETAIL FOR ROCK GRADATION REQUIREMENTS AND JOINTING DETAIL.
- CULVERT INLET PROTECTION MAINTENANCE NOTES**
- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
 - FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 - SEDIMENT ACCUMULATED UPSTREAM OF THE CULVERT SHALL BE REMOVED WHEN THE SEDIMENT DEPTH IS 1/2 THE HEIGHT OF THE ROCK SOCK.
 - CULVERT INLET PROTECTION SHALL REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS PERMANENTLY STABILIZED AND APPROVED BY THE LOCAL JURISDICTION.
- (DETAILS ADAPTED FROM AURORA, COLORADO, NOT AVAILABLE IN AUTOCAD)
- NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

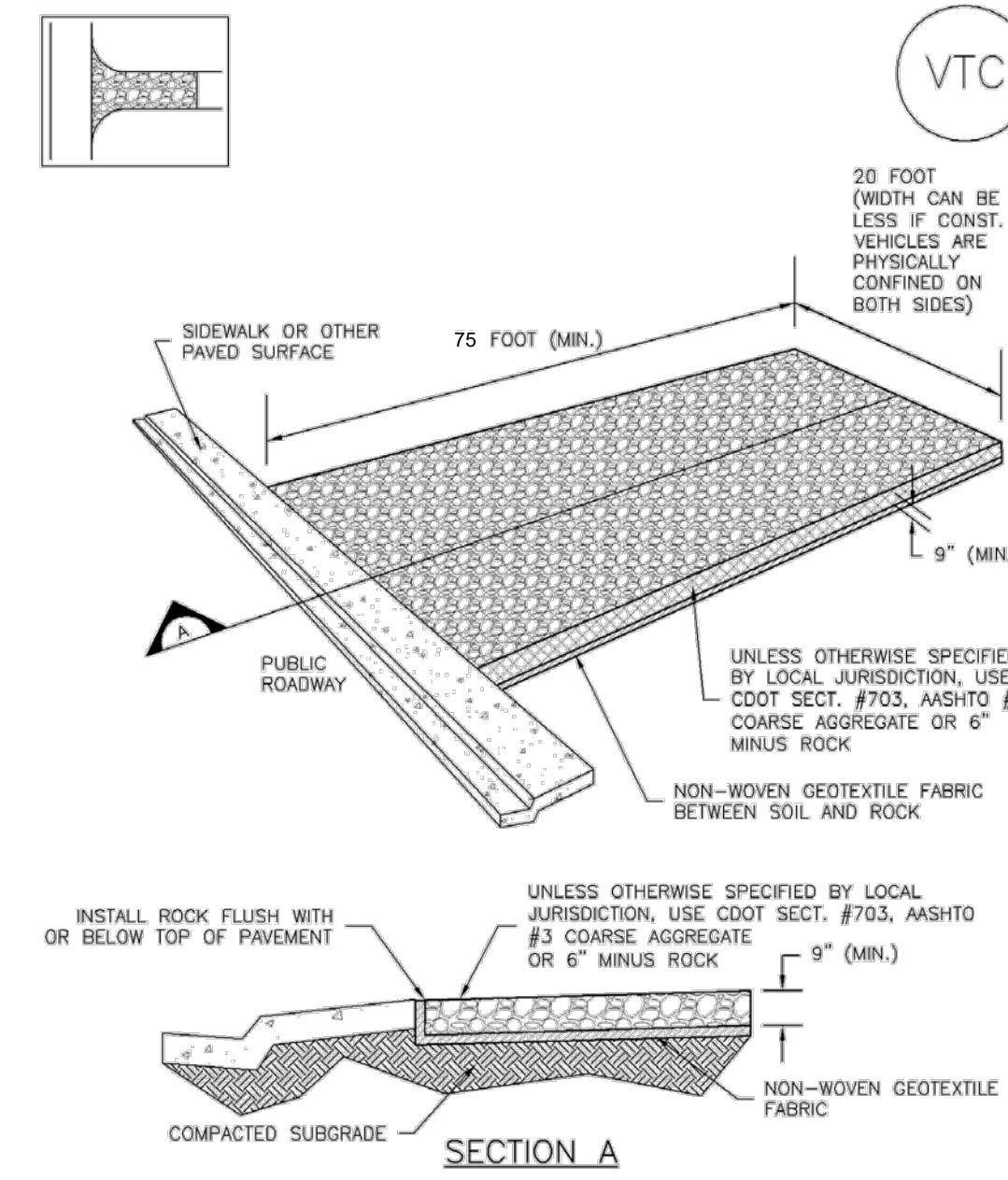
August 2013 Urban Drainage and Flood Control District IP-7
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SC-8 Sediment Trap (ST)



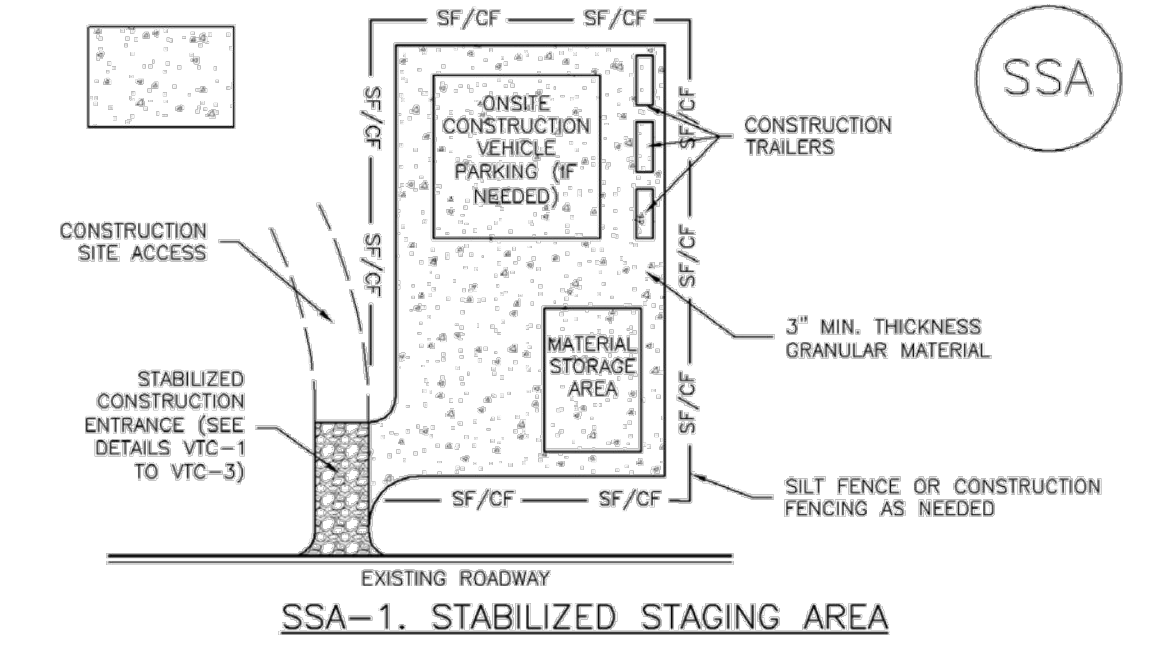
ST-2 Urban Drainage and Flood Control District November 2010
Urban Storm Drainage Criteria Manual Volume 3

Vehicle Tracking Control (VTC) SM-4



VTC-3 November 2010 Urban Drainage and Flood Control District
Urban Storm Drainage Criteria Manual Volume 3

Stabilized Staging Area (SSA) SM-6



- SSA-1. STABILIZED STAGING AREA**
- STABILIZED STAGING AREA INSTALLATION NOTES**
- SEE PLAN VIEW FOR -LOCATION OF STAGING AREA(S). -CONTRACTOR MAY ADJUST LOCATION AND SIZE OF STAGING AREA WITH APPROVAL FROM THE LOCAL JURISDICTION.
 - STABILIZED STAGING AREA SHOULD BE APPROPRIATE FOR THE NEEDS OF THE SITE. OVERSIZING RESULTS IN A LARGER AREA TO STABILIZE FOLLOWING CONSTRUCTION.
 - STAGING AREA SHALL BE STABILIZED PRIOR TO OTHER OPERATIONS ON THE SITE.
 - THE STABILIZED STAGING AREA SHALL CONSIST OF A MINIMUM 3" THICK GRANULAR MATERIAL.
 - UNLESS OTHERWISE SPECIFIED BY LOCAL JURISDICTION, ROCK SHALL CONSIST OF DOT SECT. #703, AASHTO #3 COARSE AGGREGATE OR 6" (MINUS) ROCK.
 - ADDITIONAL PERIMETER BMPs MAY BE REQUIRED INCLUDING BUT NOT LIMITED TO SILT FENCE AND CONSTRUCTION FENCING.
- STABILIZED STAGING AREA MAINTENANCE NOTES**
- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
 - FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 - ROCK SHALL BE REAPPLIED OR REGRADED AS NECESSARY IF RUTTING OCCURS OR UNDERLYING SUBGRADE BECOMES EXPOSED.
- SSA-3 November 2010 Urban Drainage and Flood Control District
Urban Storm Drainage Criteria Manual Volume 3

SC-6 Inlet Protection (IP)

- GENERAL INLET PROTECTION INSTALLATION NOTES**
- SEE PLAN VIEW FOR: -TYPE OF INLET PROTECTION. -LOCATION, LENGTH AND WIDTH OF SEDIMENT TRAP.
 - ONLY USE FOR DRAINAGE AREAS LESS THAN 1 ACRE.
 - SEDIMENT TRAPS SHALL BE INSTALLED PRIOR TO ANY UPGRADENT LAND-DISTURBING ACTIVITIES.
 - SEDIMENT TRAP BERM SHALL BE CONSTRUCTED FROM MATERIAL FROM EXCAVATION, THE BERM SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D698.
 - SEDIMENT TRAP OUTLET TO BE CONSTRUCTED OF RIPRAP, TYPE M (D50=12") TYP. SMALLER ROCK SIZE MAY BE ALLOWABLE FOR SMALLER TRAPS IF APPROVED BY LOCAL JURISDICTION.
 - THE TOP OF THE EARTHEN BERM SHALL BE A MINIMUM OF 6" HIGHER THAN THE TOP OF THE RIPRAP OUTLET STRUCTURE.
 - THE ENDS OF THE RIPRAP OUTLET STRUCTURE SHALL BE A MINIMUM OF 6" HIGHER THAN THE CENTER OF THE OUTLET STRUCTURE.
- INLET PROTECTION MAINTENANCE NOTES**
- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
 - FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 - SEDIMENT ACCUMULATED UPSTREAM OF INLET PROTECTION SHALL BE REMOVED AS NECESSARY TO MAINTAIN BMP EFFECTIVENESS, TYPICALLY WHEN STORAGE VOLUME REACHES 50% OF CAPACITY, A DEPTH OF 6" WHEN SILT FENCE IS USED, OR 1/4 OF THE HEIGHT FOR STRAW BALES.
 - INLET PROTECTION IS TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS PERMANENTLY STABILIZED, UNLESS THE LOCAL JURISDICTION APPROVES EARLIER REMOVAL OF INLET PROTECTION IN STREETS.
 - WHEN INLET PROTECTION AT AREA INLETS IS REMOVED, THE DISTURBED AREA SHALL BE COVERED WITH TOP SOIL, SEEDED AND MULCHED, OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.
- (DETAIL ADAPTED FROM TOWN OF PARKER, COLORADO AND CITY OF AURORA, COLORADO, NOT AVAILABLE IN AUTOCAD)
- NOTE: THE DETAILS INCLUDED WITH THIS FACT SHEET SHOW COMMONLY USED, CONVENTIONAL METHODS OF INLET PROTECTION IN THE DENVER METROPOLITAN AREA. THERE ARE MANY PROPRIETARY INLET PROTECTION METHODS ON THE MARKET. UDFCD NEITHER ENDORSES NOR DISCOURAGES USE OF PROPRIETARY INLET PROTECTION; HOWEVER, IN THE EVENT PROPRIETARY METHODS ARE USED, THE APPROPRIATE DETAIL FROM THE MANUFACTURER MUST BE INCLUDED IN THE SHOP AND THE BMP MUST BE INSTALLED AND MAINTAINED AS SHOWN IN THE MANUFACTURER'S DETAILS.
- NOTE: SOME MUNICIPALITIES DISCOURAGE OR PROHIBIT THE USE OF STRAW BALES FOR INLET PROTECTION. CHECK WITH LOCAL JURISDICTION TO DETERMINE IF STRAW BALE INLET PROTECTION IS ACCEPTABLE.

IP-8 August 2013 Urban Drainage and Flood Control District
Urban Storm Drainage Criteria Manual Volume 3

SC-8 Sediment Trap (ST)

- SEDIMENT TRAP INSTALLATION NOTES**
- SEE PLAN VIEW FOR: -TYPE OF CONSTRUCTION ENTRANCE(S)/EXIT(S). -TYPE OF CONSTRUCTION ENTRANCE(S)/EXIT(S) (WITH/WITHOUT WHEEL WASH, CONSTRUCTION MAT OR TRM).
 - CONSTRUCTION MAT OR TRM STABILIZED CONSTRUCTION ENTRANCES ARE ONLY TO BE USED ON SHORT DURATION PROJECTS (TYPICALLY RANGING FROM A WEEK TO A MONTH) WHERE THERE WILL BE LIMITED VEHICULAR ACCESS.
 - A STABILIZED CONSTRUCTION ENTRANCE/EXIT SHALL BE LOCATED AT ALL ACCESS POINTS WHERE VEHICLES ACCESS THE CONSTRUCTION SITE FROM PAVED RIGHT-OF-WAYS.
 - STABILIZED CONSTRUCTION ENTRANCE/EXIT SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.
 - A NON-WOVEN GEOTEXTILE FABRIC SHALL BE PLACED UNDER THE STABILIZED CONSTRUCTION ENTRANCE/EXIT PRIOR TO THE PLACEMENT OF ROCK.
 - UNLESS OTHERWISE SPECIFIED BY LOCAL JURISDICTION, ROCK SHALL CONSIST OF DOT SECT. #703, AASHTO #3 COARSE AGGREGATE OR 6" (MINUS) ROCK.
- STABILIZED CONSTRUCTION ENTRANCE/EXIT MAINTENANCE NOTES**
- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
 - FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 - ROCK SHALL BE REAPPLIED OR REGRADED AS NECESSARY TO THE STABILIZED ENTRANCE/EXIT TO MAINTAIN A CONSISTENT DEPTH.
 - SEDIMENT TRACKED ONTO PAVED ROADS IS TO BE REMOVED THROUGHOUT THE DAY AND AT THE END OF THE DAY BY SHOVELING OR SWEEPING. SEDIMENT MAY NOT BE WASHED DOWN STORM SEWER DRAINS.
- NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

ST-3 November 2010 Urban Drainage and Flood Control District
Urban Storm Drainage Criteria Manual Volume 3

SM-4 Vehicle Tracking Control (VTC)

- STABILIZED STAGING AREA MAINTENANCE NOTES**
- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
 - FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 - ROCK SHALL BE REAPPLIED OR REGRADED AS NECESSARY IF RUTTING OCCURS OR UNDERLYING SUBGRADE BECOMES EXPOSED.

VTC-6 November 2010 Urban Drainage and Flood Control District
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SM-6 Stabilized Staging Area (SSA)

- STABILIZED STAGING AREA MAINTENANCE NOTES**
- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
 - FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 - ROCK SHALL BE REAPPLIED OR REGRADED AS NECESSARY IF RUTTING OCCURS OR UNDERLYING SUBGRADE BECOMES EXPOSED.

SSA-4 November 2010 Urban Drainage and Flood Control District
Urban Storm Drainage Criteria Manual Volume 3

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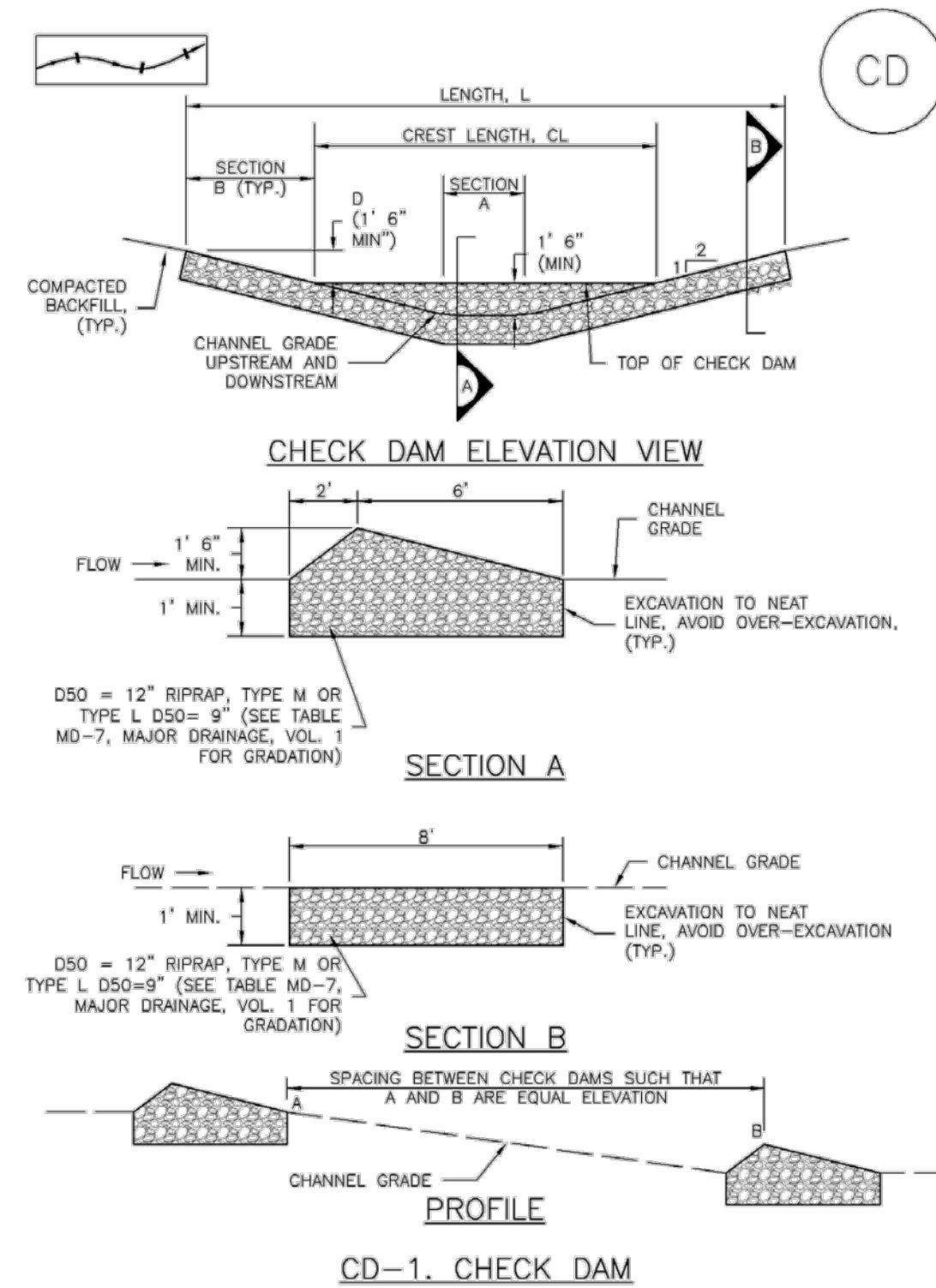
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DETAILS (2 OF 4)

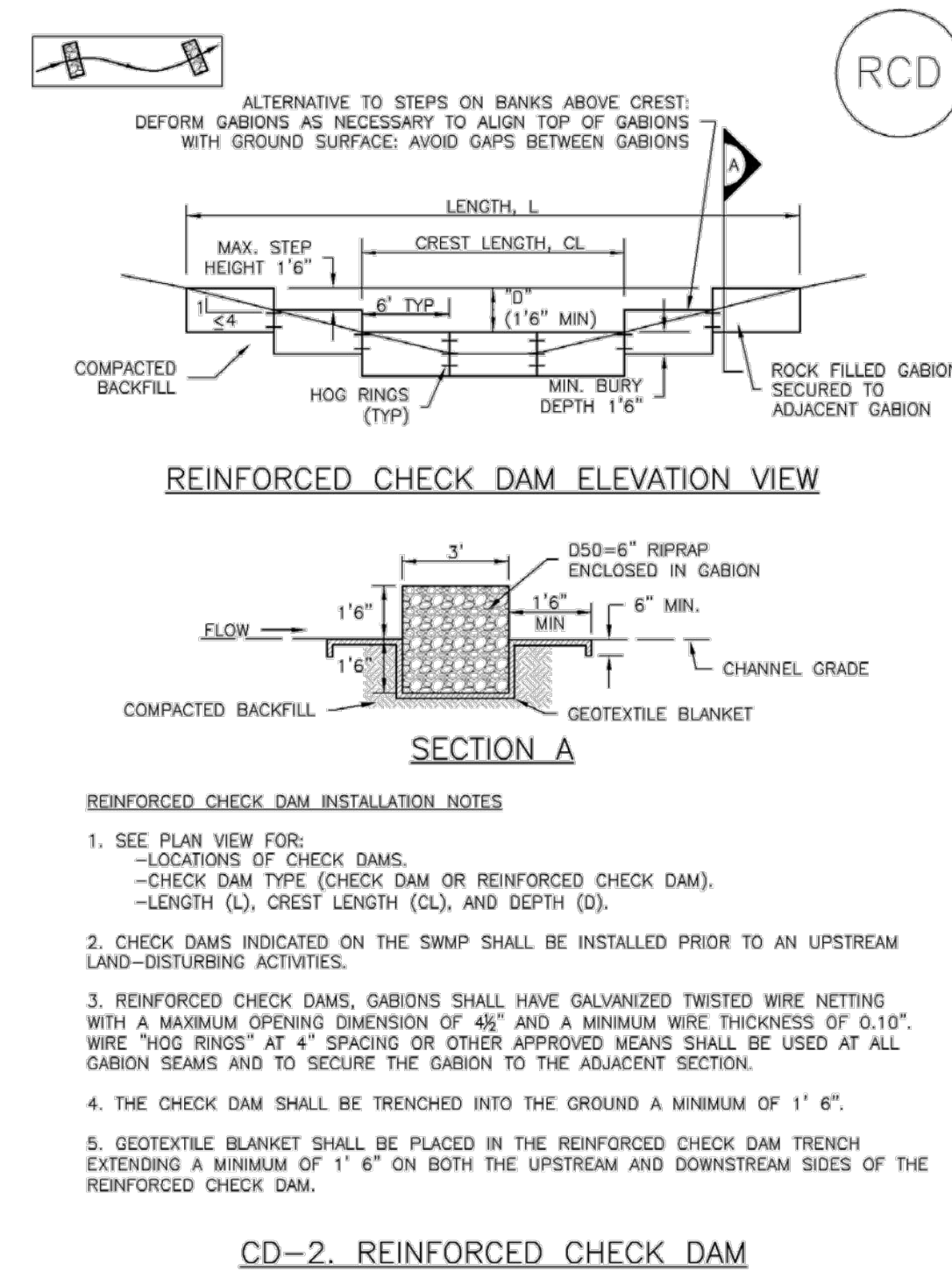
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Check Dams (CD) EC-12



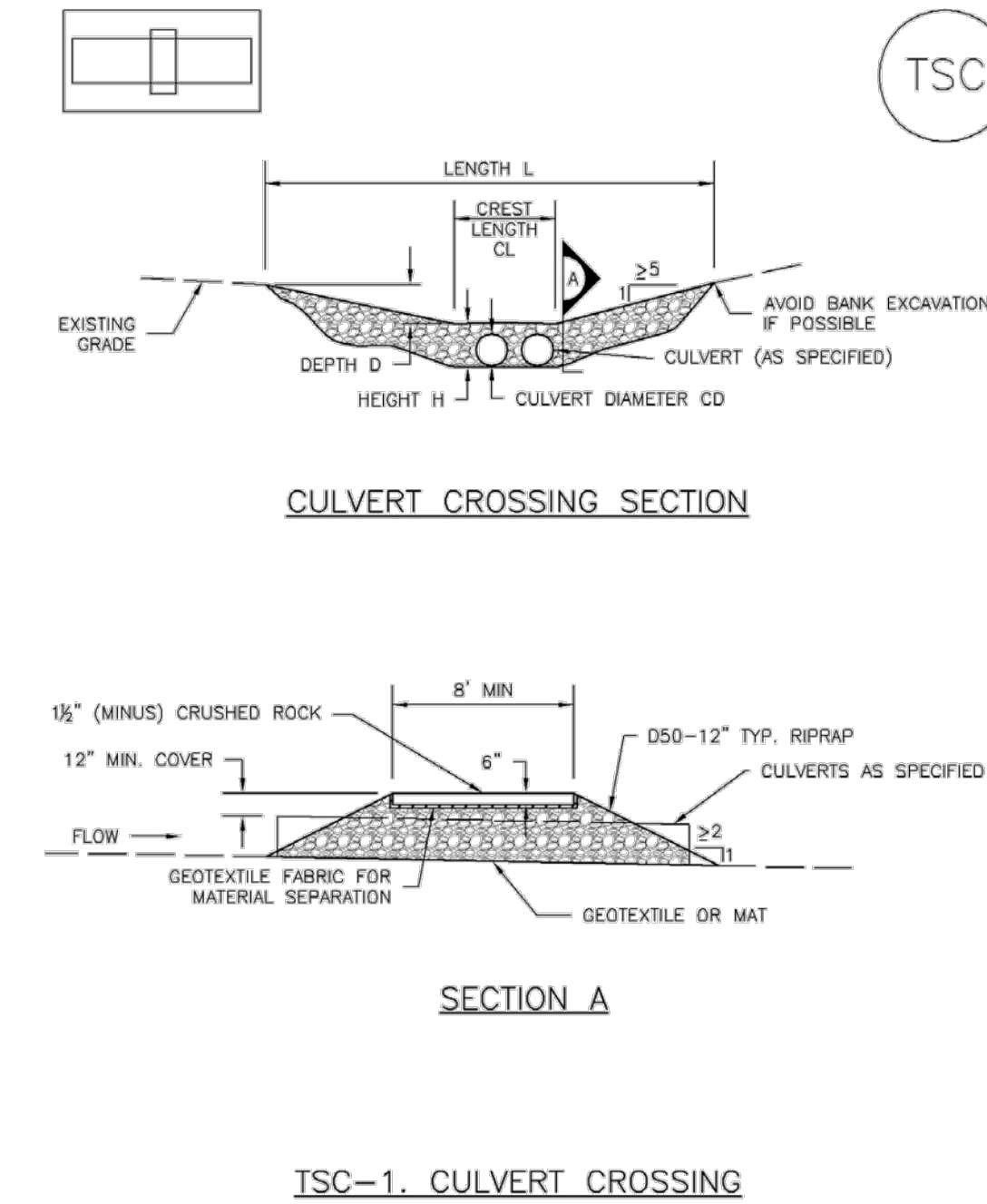
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Check Dams (CD) EC-12



November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 CD-5

Temporary Stream Crossing (TSC) SM-10



June 2012 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 TSC-3

EC-12 Check Dams (CD)

CHECK DAM INSTALLATION NOTES

- SEE PLAN VIEW FOR:
 - LOCATIONS OF CHECK DAMS.
 - CHECK DAM TYPE (CHECK DAM OR REINFORCED CHECK DAM).
 - LENGTH (L), CREST LENGTH (CL), AND DEPTH (D).
- CHECK DAMS INDICATED ON INITIAL SWMP SHALL BE INSTALLED AFTER CONSTRUCTION FENCE, BUT PRIOR TO ANY UPSTREAM LAND DISTURBING ACTIVITIES.
- RIPRAP UTILIZED FOR CHECK DAMS SHOULD BE OF APPROPRIATE SIZE FOR THE APPLICATION. TYPICAL TYPES OF RIPRAP USED FOR CHECK DAMS ARE TYPE M (D50 12") OR TYPE L (D50 9").
- RIPRAP PAD SHALL BE TRENCHED INTO THE GROUND A MINIMUM OF 1'.
- THE ENDS OF THE CHECK DAM SHALL BE A MINIMUM OF 1' 6" HIGHER THAN THE CENTER OF THE CHECK DAM.

CHECK DAM MAINTENANCE NOTES

- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
- FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
- WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
- SEDIMENT ACCUMULATED UPSTREAM OF THE CHECK DAMS SHALL BE REMOVED WHEN THE SEDIMENT DEPTH IS WITHIN 1/2 OF THE HEIGHT OF THE CREST.
- CHECK DAMS ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION.
- WHEN CHECK DAMS ARE REMOVED, EXCAVATIONS SHALL BE FILLED WITH SUITABLE COMPACTED BACKFILL. DISTURBED AREA SHALL BE SEEDED AND MULCHED AND COVERED WITH GEOTEXTILE OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.

(DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO, NOT AVAILABLE IN AUTOCAD)

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

CD-4 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

EC-12 Check Dams (CD)

REINFORCED CHECK DAM MAINTENANCE NOTES

- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
- FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
- WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
- SEDIMENT ACCUMULATED UPSTREAM OF REINFORCED CHECK DAMS SHALL BE REMOVED AS NEEDED TO MAINTAIN THE EFFECTIVENESS OF BMP, TYPICALLY WHEN THE UPSTREAM SEDIMENT DEPTH IS WITHIN 1/2 OF THE HEIGHT OF THE CREST.
- REPAIR OR REPLACE REINFORCED CHECK DAMS WHEN THERE ARE SIGNS OF DAMAGE SUCH AS HOLES IN THE GABION OR UNDERCUTTING.
- REINFORCED CHECK DAMS ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION.
- WHEN REINFORCED CHECK DAMS ARE REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED, AND COVERED WITH A GEOTEXTILE BLANKET, OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.

(DETAIL ADAPTED FROM DOUGLAS COUNTY, COLORADO AND CITY OF AURORA, COLORADO, NOT AVAILABLE IN AUTOCAD)

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

CD-6 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

SM-10 Temporary Stream Crossing (TSC)

TEMPORARY STREAM CROSSING INSTALLATION NOTES

- SEE PLAN VIEW FOR:
 - LOCATIONS OF TEMPORARY STREAM CROSSINGS.
 - STREAM CROSSING TYPE (FORD, CULVERT, OR FLUME).
 - FOR FORD CROSSING: LENGTH (L), CREST LENGTH (CL), AND DEPTH (D).
 - FOR CULVERT CROSSING: LENGTH (L), CREST LENGTH (CL), CROSSING HEIGHT (H), DEPTH (D), CULVERT DIAMETER (CD), AND NUMBER, TYPE AND CLASS OR GAUGE OF CULVERTS.
- TEMPORARY STREAM CROSSING DIMENSIONS, D50, AND NUMBER OF CULVERTS INDICATED (FOR CULVERT CROSSING) SHALL BE CONSIDERED MINIMUM DIMENSIONS; ENGINEER MAY ELECT TO INSTALL LARGER FACILITIES. ANY DAMAGE TO STREAM CROSSING OR EXISTING STREAM CHANNEL DURING BASEFLOW OR FLOOD EVENTS SHALL BE PROMPTLY REPAIRED.
- SEE MAJOR DRAINAGE CHAPTER FOR RIPRAP GRADATIONS.
- WHERE FAILURE OF A STREAM CROSSING CAN RESULT IN SIGNIFICANT DAMAGE OR HARM IT MUST BE DESIGNED BY A STRUCTURAL ENGINEER.

TEMPORARY STREAM CROSSING MAINTENANCE NOTES

- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
- FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
- WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
- REMOVE SEDIMENT ACCUMULATED UPSTREAM OF CROSSING AS NEEDED TO MAINTAIN THE FUNCTIONALITY OF THE CROSSING.
- STREAM CROSSINGS ARE TO REMAIN IN PLACE UNTIL NO LONGER NEEDED AND SHALL BE REMOVED PRIOR TO THE END OF CONSTRUCTION.
- WHEN STREAM CROSSINGS ARE REMOVED, THE DISTURBED AREA SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED AND COVERED WITH GEOTEXTILE OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.

(DETAIL ADAPTED FROM DOUGLAS COUNTY, COLORADO AND CITY OF AURORA, COLORADO (S.D. 05/06), NOT AVAILABLE IN AUTOCAD)

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

TSC-6 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 June 2012

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LAND DEVELOPMENT
ENERGY
PUBLIC INFRASTRUCTURE

CORE CONSULTANTS, INC.
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CORE



#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	02/25/21	DB
2	BID SET	04/07/21	DB
3	2ND SUBMITTAL	10/20/21	RB

PIKE SOLAR
EL PASO COUNTY, COLORADO
GRADING & EROSION CONTROL PLANS
DETAILS (3 OF 4)

NOT FOR CONSTRUCTION

DESIGNED BY: BB
DRAWN BY: SD
CHECKED BY: DB

JOB NO.
20-194
SHEET
77 OF 78

Sediment Basin (SB)

SC-7

Description

A sediment basin is a temporary pond built on a construction site to capture eroded or disturbed soil transported in storm runoff prior to discharge from the site. Sediment basins are designed to capture site runoff and slowly release it to allow time for settling of sediment prior to discharge. Sediment basins are often constructed in locations that will later be modified to serve as post-construction stormwater basins.



Photograph SB-1. Sediment basin at the toe of a slope. Photo courtesy of WVE.

Appropriate Uses

Most large construction sites (typically greater than 2 acres) will require one or more sediment basins for effective management of construction site runoff. On linear construction projects, sediment basins may be impractical; instead, sediment traps or other combinations of BMPs may be more appropriate.

Sediment basins should not be used as stand-alone sediment controls. Erosion and other sediment controls should also be implemented upstream.

When feasible, the sediment basin should be installed in the same location where a permanent post-construction detention pond will be located.

Design and Installation

The design procedure for a sediment basin includes these steps:

- Basin Storage Volume:** Provide a storage volume of at least 3,600 cubic feet per acre of drainage area. To the extent practical, undisturbed and/or off-site areas should be diverted around sediment basins to prevent "clean" runoff from mixing with runoff from disturbed areas. For undisturbed areas (both on-site and off-site) that cannot be diverted around the sediment basin, provide a minimum of 500 ft³/acre of storage for undeveloped (but stable) off-site areas in addition to the 3,600 ft³/acre for disturbed areas. For stable, developed areas that cannot be diverted around the sediment basin, storage volume requirements are summarized in Table SB-1.
- Basin Geometry:** Design basin with a minimum length-to-width ratio of 2:1 (L:W). If this cannot be achieved because of site space constraints, baffling may be required to extend the effective distance between the inflow point(s) and the outlet to minimize short-circuiting.
- Dam Embankment:** It is recommended that embankment slopes be 4:1 (H:V) or flatter and no steeper than 3:1 (H:V) in any location.

Sediment Basins	
Functions	
Erosion Control	No
Sediment Control	Yes
Site/Material Management	No

Sediment Basin (SB)

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- Inflow Structure:** For concentrated flow entering the basin, provide energy dissipation at the point of inflow.

Table SB-1. Additional Volume Requirements for Undisturbed and Developed Tributary Areas Draining through Sediment Basins

Imperviousness (%)	Additional Storage Volume (ft ³) Per Acre of Tributary Area
Undeveloped	500
10	800
20	1230
30	1600
40	2030
50	2470
60	2980
70	3560
80	4360
90	5300
100	6460

- Outlet Works:** The outlet pipe shall extend through the embankment at a minimum slope of 0.5 percent. Outlet works can be designed using one of the following approaches:
 - Riser Pipe (Simplified Detail):** Detail SB-1 provides a simplified design for basins treating no more than 15 acres.
 - Orifice Plate or Riser Pipe:** Follow the design criteria for Full Spectrum Detention outlets in the EDB Fact Sheet provided in Chapter 4 of this manual for sizing of outlet perforations with an emptying time of approximately 72 hours. In lieu of the trash rack, pack uniformly sized 1½ - to 2-inch gravel in front of the plate or surrounding the riser pipe. This gravel will need to be cleaned out frequently during the construction period as sediment accumulates within it. The gravel pack will need to be removed and disposed of following construction to reclaim the basin for use as a permanent detention facility. If the basin will be used as a permanent extended detention basin for the site, a trash rack will need to be installed once contributing drainage areas have been stabilized and the gravel pack and accumulated sediment have been removed.
 - Floating Skimmer:** If a floating skimmer is used, install it using manufacturer's recommendations. Illustration SB-1 provides an illustration of a Faircloth Skimmer Floating Outlet™, one of the more commonly used floating skimmer outlets. A skimmer should be designed to release the design volume in no less than 48 hours. The use of a floating skimmer outlet can increase the sediment capture efficiency of a basin significantly. A floating outlet continually decants cleanest water off the surface of the pond and releases cleaner water than would discharge from a perforated riser pipe or plate.

Sediment Basin (SB)

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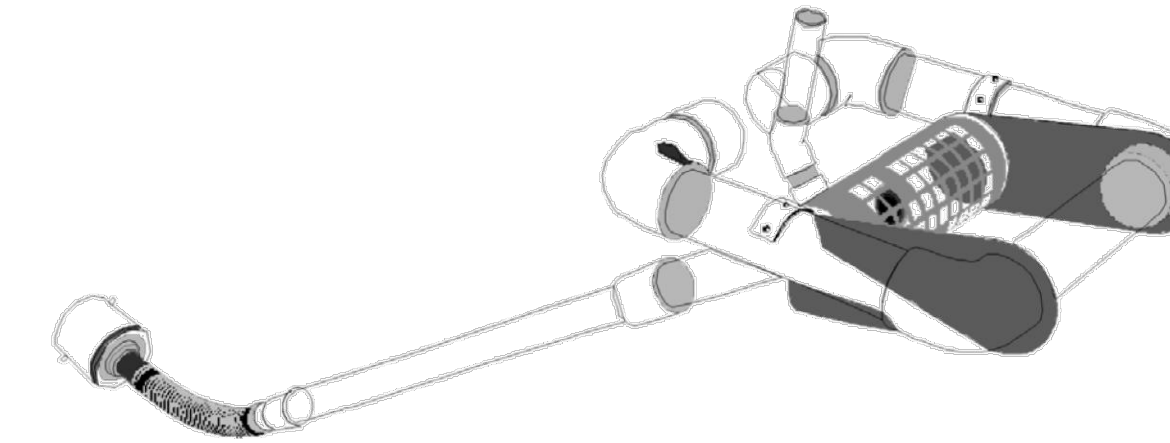


Illustration SB-1. Outlet structure for a temporary sediment basin - Faircloth Skimmer Floating Outlet. Illustration courtesy of J. W. Faircloth & Sons, Inc., FairclothSkimmer.com.

- Outlet Protection and Spillway:** Consider all flow paths for runoff leaving the basin, including protection at the typical point of discharge as well as overtopping.
 - Outlet Protection:** Outlet protection should be provided where the velocity of flow will exceed the maximum permissible velocity of the waterway into which discharge occurs. This may require the use of a riprap apron at the outlet location and/or other measures to keep the waterway from eroding.
 - Emergency Spillway:** Provide a stabilized emergency overflow spillway for rainstorms that exceed the capacity of the sediment basin volume and its outlet. Protect basin embankments from erosion and overtopping. If the sediment basin will be converted to a permanent detention basin, design and construct the emergency spillway(s) as required for the permanent facility. If the sediment basin will not become a permanent detention basin, it may be possible to substitute a heavy polyvinyl membrane or properly bedded rock cover to line the spillway and downstream embankment, depending on the height, slope, and width of the embankments.

Sediment Basin (SB)

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Maintenance and Removal

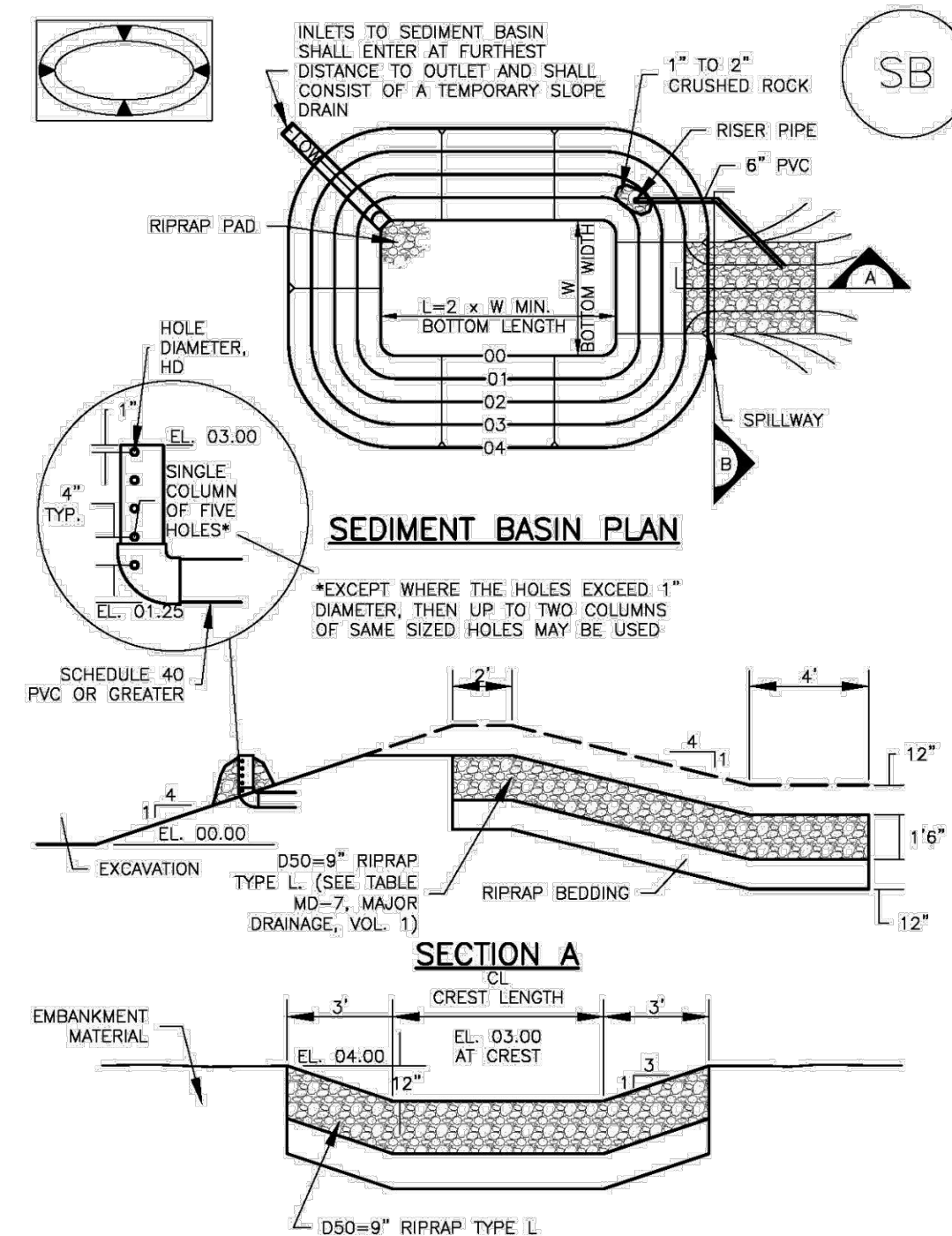
Maintenance activities include the following:

- Dredge sediment from the basin, as needed to maintain BMP effectiveness, typically when the design storage volume is no more than one-third filled with sediment.
- Inspect the sediment basin embankments for stability and seepage.
- Inspect the inlet and outlet of the basin, repair damage, and remove debris. Remove, clean and replace the gravel around the outlet on a regular basis to remove the accumulated sediment within it and keep the outlet functioning.
- Be aware that removal of a sediment basin may require dewatering and associated permit requirements.
- Do not remove a sediment basin until the upstream area has been stabilized with vegetation.

Final disposition of the sediment basin depends on whether the basin will be converted to a permanent post-construction stormwater basin or whether the basin area will be returned to grade. For basins being converted to permanent detention basins, remove accumulated sediment and reconfigure the basin and outlet to meet the requirements of the final design for the detention facility. If the sediment basin is not to be used as a permanent detention facility, fill the excavated area with soil and stabilize with vegetation.

Sediment Basin (SB)

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Sediment Basin (SB)

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Upstream Drainage Area (rounded to nearest acre), (ac)	Basin Bottom Width (W), (ft)	Spillway Crest Length (CL), (ft)	Hole Diameter (HD), (in)
1	12 ½	2	¾
2	21	3	1 ¼
3	28	5	1 ¾
4	33 ½	6	2
5	38 ½	8	2 ½
6	43	9	2 ¾
7	47 ½	11	3
8	51	12	3 ½
9	55	13	3 ¾
10	58 ½	15	4
11	61	16	4 ½
12	64	18	5
13	67 ½	19	5 ½
14	70 ½	21	6
15	73 ½	22	6 ½

- SEDIMENT BASIN INSTALLATION NOTES**
- SEE PLAN VIEW FOR:
 - LOCATION OF SEDIMENT BASIN.
 - TYPE OF BASIN (STANDARD BASIN OR NONSTANDARD BASIN).
 - FOR STANDARD BASIN, BOTTOM WIDTH W, CREST LENGTH CL, AND HOLE DIAMETER, HD.
 - FOR NONSTANDARD BASIN, SEE CONSTRUCTION DRAWINGS FOR DESIGN OF BASIN INCLUDING RISER HEIGHT H, NUMBER OF COLUMNS N, HOLE DIAMETER HD AND PIPE DIAMETER D.
 - FOR STANDARD BASIN, BOTTOM DIMENSION MAY BE MODIFIED AS LONG AS BOTTOM AREA IS NOT REDUCED.
 - SEDIMENT BASINS SHALL BE INSTALLED PRIOR TO ANY OTHER LAND-DISTURBING ACTIVITY THAT RELIES ON ON BASINS AS A STORMWATER CONTROL.
 - EMBANKMENT MATERIAL SHALL CONSIST OF SOIL FREE OF DEBRIS, ORGANIC MATERIAL, AND ROCKS OR CONCRETE GREATER THAN 3 INCHES AND SHALL HAVE A MINIMUM OF 15 PERCENT BY WEIGHT PASSING THE NO. 200 SIEVE.
 - EMBANKMENT MATERIAL SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D698.
 - PIPE SCH 40 OR GREATER SHALL BE USED.
 - THE DETAILS SHOWN ON THESE SHEETS PERTAIN TO STANDARD SEDIMENT BASIN(S) FOR DRAINAGE AREAS LESS THAN 15 ACRES. SEE CONSTRUCTION DRAWINGS FOR EMBANKMENT, STORAGE VOLUME, SPILLWAY, OUTLET, AND OUTLET PROTECTION DETAILS FOR ANY SEDIMENT BASIN(S) THAT HAVE BEEN INDIVIDUALLY DESIGNED FOR DRAINAGE AREAS LARGER THAN 15 ACRES.

Sediment Basin (SB)

SC-7

- SEDIMENT BASIN MAINTENANCE NOTES**
- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
 - FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 - SEDIMENT ACCUMULATED IN BASIN SHALL BE REMOVED AS NEEDED TO MAINTAIN BMP EFFECTIVENESS, TYPICALLY WHEN SEDIMENT DEPTH REACHES ONE FOOT (I.E., TWO FEET BELOW THE SPILLWAY CREST).
 - SEDIMENT BASINS ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND GRASS COVER IS ACCEPTED BY THE LOCAL JURISDICTION.
 - WHEN SEDIMENT BASINS ARE REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.
- (DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO)
- NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

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