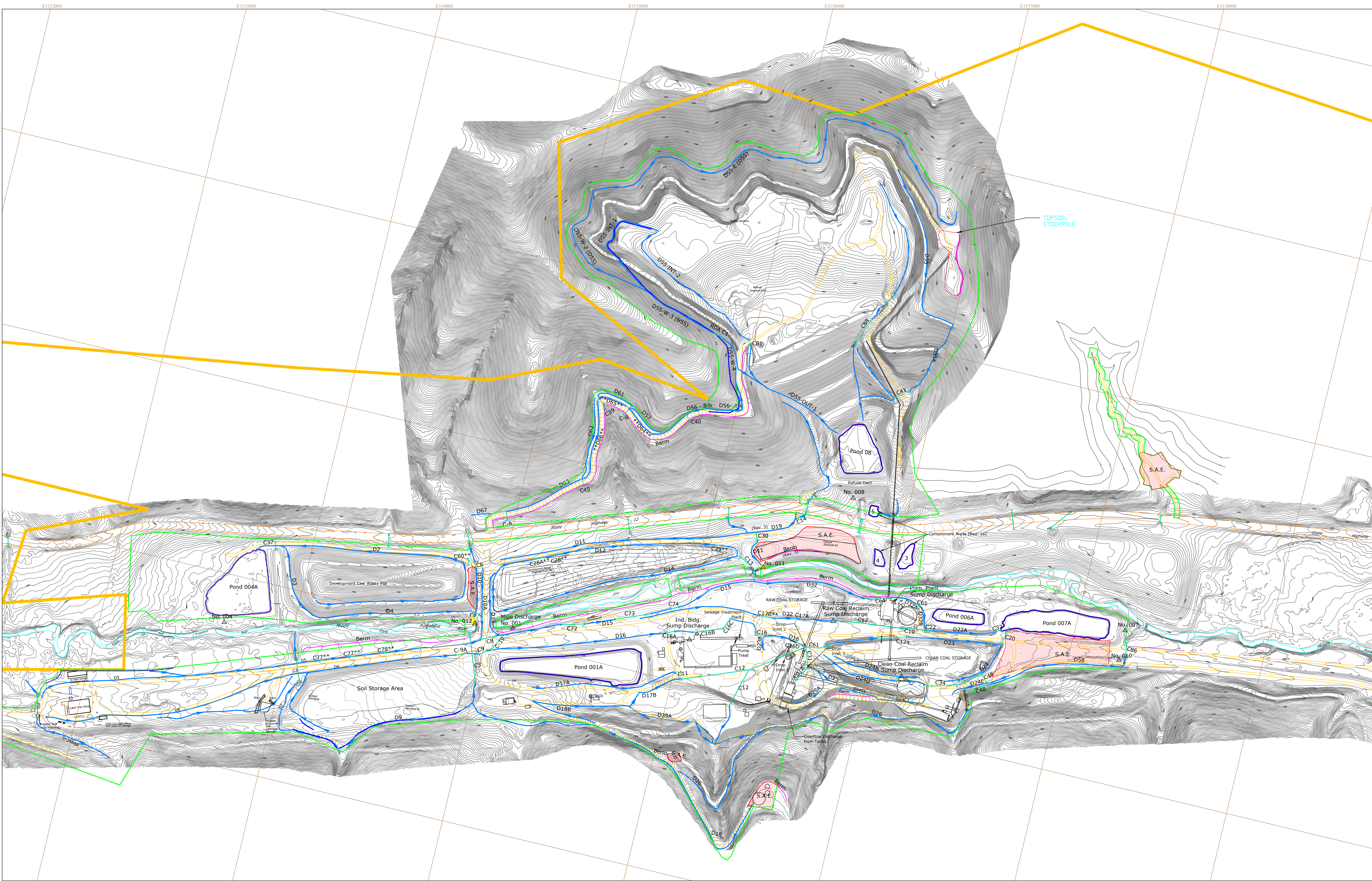


PLAN VIEW



REVISIONS

REV	DESCRIPTION	BY	DATE	REV	DESCRIPTION	BY	DATE	REV	DESCRIPTION	BY	DATE
1	Permit Boundary	DMS	11/20/86	16	Added containment areas 1, 2, 3, 4, & 5	RCS	08/28/91	39	TR-62 Added Culverts C75 and C76	JES	01/04/12
2	Ditch D6 extended	SM	12/09/86	17	Added Small Area Exemption around water tanks	DF	09/20/91	40	TR-62 Added light-use road by cell repeater tower	JES	02/15/12
3	Culvert 21, 22 & 23 added - Berm added - Ditch 11 & 19 revised - Road around topsoil pile #1 & contained area revised	TJA	02/26/87	18	Added Coal Stockpiles & Culverts 43 & 44	DF	12/26/91	41	MR-111 Relocate D18 around 25,000 gallon potable water tank, remove small area exemption at 25,000 gallon potable water tank	JES	03/23/12
4	Freeboard added to ditch types, ditch and culvert tables revised	SM	03/19/87	19	Extended Coal Stockpile to D17	RT/DB	03/26/92	42	MR-112 DWDA Expansion	JES	04/02/12
5	Culverts 21, 22 & 23 are revised to 28, 29 & 30 respectively and culvert table revised	DMS	03/26/87	20	Added Culvert 10 Extension & D17A	RCS	04/08/92	43	TR-64 Bates Shaft	JES	04/05/12
6	Culvert C14 removed from plan	DMS	04/13/87	21	Added Development Coal Waste Pile and Sewage Treatment Plant. Changed Permit Boundary	RCS	02/26/93	44	TR-66 Increase height of DWDA #2, added haul road to RDA, added culverts to employee parking lot, revised drainage RDA conveyor area, and changed road designation north of stockpile area to haul road	JES	05/25/12
7	C31 added, Ditch 30 added to table	SM	04/04/88	22	Changed Surface Disturbance Boundary	RCS	07/20/93	45	TR-66 Removed the northern-most C-A culvert	JES	07/25/12
8	Reroute D8, D20 & D24, add D6A & D25A, add C8(2), C32, C33 with drop inlet & C34, move C10, shorten C7, lengthen D4.	SM	05/31/88	23	Added Raw Coal Stacking Tube and revised RDA road and removed Headwall near Lab Bldg.	RCS	11/17/93	46	TR-67 Up-Date	RT	03/25/13
9	Remove C1, add road in Refuse Area, extend D11, revise road to Contained Area, add C35 & C36, extend D24, add Drop Inlet #3, Add C37.	SM	08/09/88	24	Added D34AAA, D34BBB, D17B, Shower trailer, TS Pile, C46, C47, C48, C50, Temporary Culverts and Berm along D34BBB and D34BBB Added D17B	RCS	12/01/93	47	TR-68 Up-Date	RT	07/31/13
10	Ditches 3 & 4 changed from type A to type B & ditch 15 from type B to type C	RCS	05/04/89	25	Revised Surface Disturbance Boundary	RCS	02/10/94	48	TR-70 Up-Date RDA Haul Road and Up-Date Ditch Lines and Culvert locations and add a Waste Belt to the RDA Belt System and the re-linement of the Bates Portal's Surface Belt Line	JT/MV	04/30/13
11	Added note for culverts 28 and 29, revised Raw and Clean Coal Storage Areas and Drainage (included C14, C22 and D32), included C26 at bridge, revised Topsoil Pile location, expanded disturbed area at Clean Coal Storage Area.	RCS	09/20/89	26	Added Wells, Sparge and VES Points	RCS	03/08/94	49	RN-6 Up-Date Labeling, Ditches, and Culverts	RT/LH	06/21/16
12	Added diesel fuel station, coal sample system, raw truck dump, temp. truck dump, disturbed area line, ditch around plant, realignment of ditch 23 & 24, elbow on outlet of C12, shorten C20, and ditch around plant.	DF	01/26/90	27	Moved C50, AddedD24A and C55	RCS	04/06/94	50	RN-7 Up-Date Labeling, Ditches, and Culverts	NM	7/16/19
13	Added D33 and Refuse Area Side and North collection ditch.	RCS	09/11/90	28	Revised Inset 1	RCS	05/18/94	51	RDA-77 Expansion Moved Clean Water Ditch Up-slope. Revised Haul Road Access.	JP	02/17/23
14	Added C35, C39, C40 & C41 to Inset 1	DF	04/13/87	29	Added S.A.E.	RCS	07/07/94				
15	Added C42 to D32 under Refuse Conv.	DF	11/16/90	30	Relocated D32	RCS	03/07/95				
				31	Added Ditches 24A, 24B, 24C, 24D and 24E	RCS	04/12/95				
				32	Added C1, C60 & C61	RCS	05/10/95				
				33	Added Culverts through C65, Added Ditches through D32B	DGF	10/01/95				
				34	Added Topsoil Stockpile #3, and revised North Collection Ditch around Refuse Area	DF	10/06/95				
				35	Added Culverts C12A and C12B	RGT	08/17/01				
				36	TR-49, Mine Dewatering System	RGT	09/18/06				
				37	TR-55 Bates Mine Portal	LKJ	02/03/11				
				38	TR-60 Updated culvert locations to as built field locations, revise soil storage area footprint, expand DWDA, move top soil pile	JES	12/30/11				

Legend

- Permit Boundary
- Surface Disturbance Boundary

Notes

Culvert data shown on table 21, page 2.05-26, 27, and 28 of Mine Permit Text.
Ditch design data shown in Exhibit 19.
Ditch summary on page 2.05-23 through 26.
Refer to Maps 13A, 13B, 13C, and 13D for Definitive Drainage Controls

Key - Sedimentation Control Structures

- D15 Ditch (with direction of flow)
- C12 Culvert
- C34** Temporary culvert installed as needed for vehicle crossing
- Berm
- Small Area Exemption
- Existing Well
- Discharge Location
- Proposed Sparge Point
- V. E. S. Point
- Rip-Rap
- Proposed RDA Haul Road (TR-66)
- Existing RDA Haul Road (TR-70)
- **D64** Ditch Approved in TR-66 (with direction of flow) to be installed with construction of Haul Road Design Approved in TR-66

Scale (ft)
1"=200'
Contour Interval = 2'
Contour Interval = 20' in area of Expanded RDA

Map Grid - State Plane Zone 0503 NAD83



New Elk Mine Site Plan East Portal
Sediment and Surface Water Control Plan

DESIGNED BY: JLP DRAWN BY: JLP	DATE: 02-17-2023 SCALE: AS SHOWN
	PERMIT MAP TR-77 Map 13