

Millimeters  
Scale For Microfilming  
Inches

0 35FT 70FT 140FT  
SCALE: 1"=70'

**LEGEND**

- EXISTING GRADE MAJOR CONTOUR
- - - EXISTING GRADE MINOR CONTOUR
- PROPOSED GRADE MAJOR CONTOUR
- - - PROPOSED GRADE MINOR CONTOUR
- PROPOSED SUBSTATION BASELINE
- × × × × CHAINLINK FENCE
- □ □ □ SILT FENCE
- - - PROPERTY BOUNDARY
- ⌒ ROCK CHECK DAM
- WATER SHEET FLOW
- FG: FINISH GRADE (TOP OF SURFACE ROCK)
- SG: SUBGRADE (TOP OF FLEXIBLE BASE)
- RG: ROUGH GRADE (TOP OF DIRT)
- EG: EXISTING GRADE

- NOTES**
- CUT AND FILL VOLUMES ARE RAW VOLUMES WITH NO ALLOWANCES FOR SHRINKAGE WHERE APPLICABLE.
  - THE CONTRACTOR SHALL STRIP ALL TOPSOIL AND ORGANIC MATERIAL FROM THE WORKING AREA. CUT AND FILL VOLUMES ARE BASED ON THE ASSUMPTION THAT THE DEPTH OF TOPSOIL STRIPPED FROM THE WORKING AREA IS IN ACCORDANCE WITH THE DEPTH SHOWN IN THE EARTHWORK QUANTITIES TABLE. THE ACTUAL DEPTH OF ORGANIC MATERIAL NEEDING REMOVAL MAY VARY. IT IS RECOMMENDED THAT A GEOTECHNICAL ENGINEER IS ON-SITE TO ENSURE THAT ALL ORGANIC MATERIAL HAS BEEN REMOVED. THE STRIPPED TOPSOIL MAY BE USED FOR EMBANKMENTS AND SLOPES OUTSIDE THE IMMEDIATE AREA OF THE PAD.
  - SUITABLE EXCESS FILL INCLUDING WASTE TOP SOILS MAY BE USED FOR EMBANKMENTS AND SLOPES OUTSIDE OF THE IMMEDIATE AREA OF THE PAD.
  - SITE AND ROADWAY TO BE COVERED BY ROAD BASE GRAVEL (FLEXIBLE BASE) AS A WORKING SURFACE.
  - SLOPE ACCESS ROADS FOR DRAINAGE.
  - NEW YARD CONTOURS INDICATE SUBGRADE AND DO NOT INCLUDE CRUSHED ROCK SURFACING; NEW APPROACH CONTOURS INDICATE FINISH GRADE; YARD SUBGRADE TO MATCH APPROACH FINISH GRADE; YARD FINISH ROCK WILL FEATHER OUT ONTO APPROACH.
  - ALL AREAS NOT RECEIVING CRUSHED ROCK SURFACING OR ROAD BASE (FLEXIBLE BASE) SHALL BE FILLED WITH TOPSOIL AND RE-SEEDED.
  - CRUSHED ROCK SURFACING SHALL NOT BE PLACED UNTIL ALL SUBGRADE CONDUIT, GROUNDING AND UTILITIES ARE COMPLETE.
  - SUBGRADE INCLUDES FLEXIBLE BASE MATERIAL.
  - THE EARTHWORK CONTRACTOR SHALL FURNISH AND INSTALL COMPACTED NON-EXPANSIVE BACKFILL.

**APPROXIMATE EARTHWORK QUANTITIES**

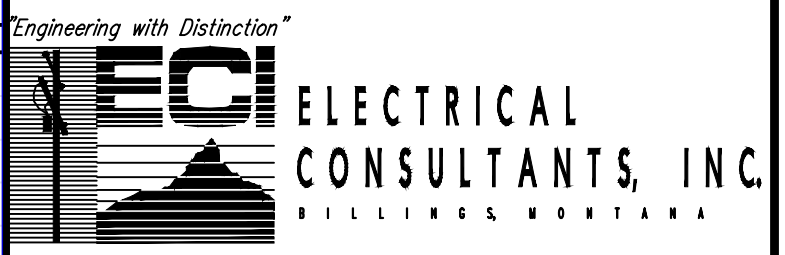
<b>TOTAL GRADED AREA</b>	11.5	ACRES
<b>TOPSOIL</b>		
REMOVAL	AREA (SF)	DEPTH (IN) VOL (CY)
YARD	475010	3 4398
POND	56234	3 521
APPROACH	23874	3 221
<b>TOTALS</b>	<b>11.5</b>	<b>ACRES 5140 CY</b>
RE-USED ON SITE	0	4 0
EXPORT / STOCKPILED / WASTED		5140 CY

<b>CUT/FILL QUANTITIES*</b>	CUT	FILL	NET
YARD	25199	28733	3534 FILL
POND	7742	1479	6263 CUT
APPROACH	509	2708	2199 FILL
NET CUT/FILL TO R.G.	33450	32920	530 CUT
ONSITE MATERIAL IS SUITABLE AS FILL			33450 CY
CUT AVAILABLE FOR FILL			0 CY
STRUCTURAL FILL REQUIRED			0 CY

<b>SELECT IMPORT**</b>	AREA (SF)	DEPTH (IN)	VOL (CY)
YARD-FLEXIBLE BASE	408257	8	10080
APPROACH-FLEXIBLE BASE	14386	14	622
<b>TOTAL</b>			<b>10702</b>
<b>SUMMARY</b>			
TOTAL CUT (TOPSOIL + NET CUT)			38590 CY
TOTAL FILL (SELECT IMPORT + NET FILL)			43622 CY
TOTAL EXPORT / STOCKPILED / WASTED			5670 CY
TOTAL IMPORT (SELECT IMPORT + STRUCTURAL FILL)			10702 CY

**ISSUED FOR REVIEW**

no.	date	by	ckd	description
A	09/10/24	KJF	SKC	PRELIMINARY
B	09/20/24	KJF	SKC	PRELIMINARY
C	10/11/24	KJF	SKC	PRELIMINARY
D	11/05/24	KJF	SKC	PRELIMINARY
E	12/13/24	KJF	SKC	ISSUED FOR REVIEW
D	01/14/25	KJF	SKC	ISSUED FOR PERMITTING



date	12/06/24	detailed	KJF/ECI
designed	KJF/ECI	checked	SKC/ECI



COLLINSVILLE 500-230 KV SUBSTATION  
LS POWER GRID  
CALIFORNIA, LLC  
SITE DIMENSION PLAN

project	rev	date
	F	01/14/25
drawing	CL-C-GRD-002	
sheet	2	of 5 sheets