SPN Helms
ENGINEERS & SURVEYORS

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ABERDEEN, SD 57401

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June 15, 2026

Re: Runway 18/36 Reconstruction and Taxiway Improvements
Mitchell Municipal Airport
Mitchell, South Dakota
AIP #3-46-0037-035-2026
Helms #A-7141

Bid Opening: **June 17th, 2026**
1:30 pm Local Time

ADDENDUM NUMBER 1

The following modifications are made to the plans and specifications for the Runway 18/36 Reconstruction and Taxiway Improvements Project, Mitchell Municipal Airport:

CONTRACT DOCUMENTS AND TECHNICAL SPECIFICATIONS

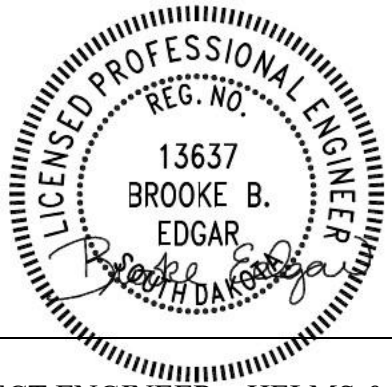
1. **Proposal, remove pages 497-505 and replace with the attached pages.**

PLANS

2. **Remove sheets 50-51 and replace with the attached pages.**

THE FOLLWING ATTACHMENT INCLUDES THE ELECTRICAL ADDENDUM.

ALL OTHER ITEMS OF THE PLANS AND SPECIFICATIONS REMAIN UNCHANGED



BY:_____

PROJECT ENGINEER – HELMS & ASSOCIATES

Acknowledge receipt of the Addendum by inserting its number on the Bid Form. Failure to do so may subject bidder to disqualification. This Addendum forms a part of the Contract Documents. It modifies them as above.

RUNWAY 18/36 RECONSTRUCTION WITH TURNAROUNDS AND CONNECTOR TAXILANES WITH LIGHTING IMPROVEMENTS
MITCHELL MUNICIPAL AIRPORT
AIP #3-46-0037-035-2026
A-7141

Base Bid - Runway 18/36 Reconstruction and Taxiway Improvements

Item No.	Spec No.	Item Description	Quantity	Unit	Unit Price	Total Price
1	C-105	Mobilization	1	L.S.	$	$
2	C-100	Contractor Quality Control Program	1	L.S.	$	$
3	S-100	Construction Safety Phasing Plan	1	L.S.	$	$
4	P-101	Asphalt Transition Cold Milling (2" Nominal Depth)	20	SqYd	$	$
5	P-101	Remove and Salvage Asphalt / Concrete Pavement (15' Nominal Depth)	63,417	SqYd	$	$
6	P-101	Remove and Salvage Concrete Intersection Pavement (10" Nominal Depth)	1,037	SqYd	$	$
7	P-101	Remove and Salvage Asphalt Pavement / Base Material (24" Nominal Depth)	6,605	SqYd	$	$
8	P-102	Remove and Salvage Asphalt Access Road Pavement / Base Material (6" Nominal Depth)	2,399	SqYd	$	$
9	P-152	Unclassified Excavation	74,166	CuYd	$	$
10	P-152	Disposal of Excess Material	10,143	CuYd	$	$
11	P-154	Subbase Course (Furnished)	13,565	CuYd	$	$
12	P-154	Subbase Course (Recycled)	25,470	CuYd	$	$
13	P-154	Geotextile Separator Fabric	55,315	SqYd	$	$
14	P-154	Geogrid	1,500	SqYd	$	$
15	P-208	Aggregate Base Course	9,638	CuYd	$	$
16	P-401	Asphalt Base/Surface Course	12,432.1	Ton	$	$
17	P-401	Asphalt Binder (PG 64-34)	870.2	Ton	$	$
18	P-602	Emulsified Asphalt Prime Coat	67.8	Ton	$	$
19	P-603	Emulsified Asphalt Tack Coat	22.6	Ton	$	$
20	P-605	Route and Seal Existing / New Asphalt Joint	572	Ft	$	$
21	P-620	Temporary Runway and Taxiway Pavement Markings (Yellow)	19,590	SqFt	$	$
22	P-620	Temporary Runway and Taxiway Pavement Markings (Black)	643	SqFt	$	$
23	P-620	Temporary Runway and Taxiway Pavement Markings (White)	2,028	SqFt	$	$
24	P-620	Runway and Taxiway Pavement Markings (Yellow)	19,590	SqFt	$	$
25	P-620	Runway and Taxiway Pavement Markings (Black)	643	SqFt	$	$
26	P-620	Runway and Taxiway Pavement Markings (White)	2,028	SqFt	$	$
27	D-701	12" RCP Pipe (Class III)	208	Ft	$	$

Item No.	Spec No.	Item Description	Quantity	Unit	Unit Price	Total Price
28	D-701	12" RCP Flared Ends (Class III)	4	Each	$	$
29	D-701	15" RCP Pipe (Class III)	240	Ft	$	$
30	D-701	15" RCP Flared End (Class III)	6	Each	$	$
31	D-705	4" Perforated Underdrain Pipe	12,828	Ft	$	$
32	D-705	4"Solid Wall Underdrain Pipe	196	Ft	$	$
33	D-705	Underdrain Cleanout	65	Each	$	$
34	D-705	Connect Underdrain to RCP Storm Sewer	13	Each	$	$
35	D-705	Underdrain Tee	2	Each	$	$
36	T-901	Seeding and Fertilizing	42.0	Acre	$	$
37	T-905	Topsoil (Removed from Stockpile)	17,276	CuYd	$	$
38	T-905	Topsoil (Furnished from off the Site)	2,229	CuYd	$	$
39	T-908	Mulching	203,333	SqYd	$	$
40	Plans	Gravel Surfacing	93.0	Ton	$	$
41	Plans	Remove and Salvage Existing Gravel Access Road	663	SqYd	$	$
42	Plans	Remove and Dispose Existing Underdrain / Storm Manhole	11	Each	$	$
43	Plans	Remove and Dispose Existing Underdrain Cleanout	12	Each	$	$
44	Plans	Adjust Existing Storm Sewer Manhole Lid	1	Each	$	$
45	Plans	Inlet Protection	4	Each	$	$
46	Plans	Culvert Protection	2	Each	$	$
47	Plans	Erosion Control Wattle	13	Each	$	$
49	01 51 26	Temporary Phasing Work, Electrical	1	L.S.	$	$
50	Plan	Locating Underground Utility Work	1	L.S.	$	$
51	02 01 00	Verify Underground Utility Work (Pothole)	8	Each	$	$
52	34 43 26.13	L-821 Airfield Lighting Control Panel, Type I (Conventional), Class W (Wall Mounted), Style 1 (Unlighted), Mode 1 (Generic)	1	Each	$	$
53	34 43 26.16	L-854, Type 1 Air-to-Ground Radio Control Equipment w/ Heavy Duty Antenna & Mounting Brackets	1	Each	$	$
54	34 43 26.19	L-829 Constant Current Regulator (CCR) w/ Monitoring Options, Class 1 (6.6A), Style 1 (3-Step), Size 7.5 kW	1	Each	$	$
55	Plan	Electrical Vault Work, Complete	1	L.S.	$	$
56	Plan	Electrical Equipment Rack	3	Each	$	$
57	L-101	De-Energize Existing Rotating Beacon at Electrical Vault Building	1	L.S.	$	$
58	L-101	L-802A, LED, Class 2, w/ Bird Spikes, w/ Dual L-810 LED Steady Burn Red Obstruction Lights, Mounted on New Tip-Down Pole	1	Each	$	$
59	L-103	40' Tip-Down Pole, Primed & Painted, Including Concrete Footing & Site Pad	1	Each	$	$

Item No.	Spec No.	Item Description	Quantity	Unit	Unit Price	Total Price
60	L-107	Remove & Salvage Existing Supplemental Windcone; Remove & Dispose of Concrete Footing & Junction Box	2	Each	$	$
61	L-107	L-806, LED, Style 1B (Internally Lit), Size 1 (8 Feet) w/ Single L-810 LED Steady Burn Red Obstruction Light Including Concrete Footing & Site Pad	2	Each	$	$
62	L-108	1/C No. 8 AWG, 5kV, L-824, Type C Cable Installed in Conduit	22,328	Ft	$	$
63	L-108	1/C No. 4 Cu. AWG, 600V, THWN-2, Installed in Conduit	11,620	Ft	$	$
64	L-108	1/C No. 6 Cu. AWG, 600V, THWN-2, Installed in Conduit	6,338	Ft	$	$
65	L-108	1/C No. 8 Cu. AWG, 600V, THWN-2, Installed in Conduit	7,218	Ft	$	$
66	L-108	1/C No. 6 Cu. AWG, 600V (GND), THWN-2, Installed in Conduit	5,810	Ft	$	$
67	L-108	1/C No. 8 Cu. AWG, 600V (GND), THWN-2, Installed in Conduit	8,571	Ft	$	$
68	L-108	1/C No. 10 Cu. AWG, 600V (GND), THWN-2, Installed in Conduit	3,609	Ft	$	$
69	L-108	1/C No. 6 AWG, Solid, Bare Copper Counterpoise Wire, Including Trenching or Plowing, Including Ground Rods, Connections & Terminations	15,819	Ft	$	$
70	Plan	Core Drill Existing Light Base Can	4	Each	$	$
71	L-110	Remove & Dispose of Existing Cable in Conduit; Abandon Remaining Conduit	22,920	Ft	$	$
72	L-110	Remove & Dispose of Existing Cable in Conduit; Conduit to Remain	2,141	Ft	$	$
73	L-110	Abandon Existing DEB Counterpoise	1	L.S.	$	$
74	L-110	Trenching & Backfilling or Plowing for Conduit	20,676	Ft	$	$
75	L-110	Non-Encased, Electrical Conduit, (1) 2 Inch, Type I, Sch. 40 PVC in Trench or SDR 13 HDPE Plowed	14,713	Ft	$	$
76	L-110	Non-Encased, Electrical Conduit, (2) 2 Inch, Type I, Sch. 40 PVC in Joint Trench or SDR 13 HDPE Plowed	4,694	Ft	$	$
77	L-110	Non-Encased, Electrical Conduit, (3) 2 Inch, Type I, Sch. 40 PVC in Joint Trench or SDR 13 HDPE Plowed	673	Ft	$	$
78	L-110	Non-Encased, Electrical Conduit, (1) 2 Inch, Type III, SDR 11 HDPE, Bored	570	Ft	$	$
79	L-110	Sand-Encased, Electrical Split Conduit, (1) 2 Inch, Type III, Sch. 80 PVC in Trench	225	Ft	$	$
80	L-110	Concrete Cap, 4 Inch, Over Adjusted FAA-Owned Underground Electrical Line Distribution (ELD) System	75	Ft	$	$
81	L-110	Boring for Electrical Conduit, (1) 2 Inch	570	Ft	$	$
82	L-110	Sand-Encased, Electrical Conduit, (1) 2 Inch, Type III, Sch. 80 PVC in Trench	30	Ft	$	$

Item No.	Spec No.	Item Description	Quantity	Unit	Unit Price	Total Price
83	L-110	Sand-Encased, Electrical Conduit, (2) 2 Inch, Type III, Sch. 80 PVC in Joint Trench	506	Ft	$	$
84	L-110	Sand-Encased, Electrical Conduit, (3) 2 Inch, Type III, Sch. 80 PVC in Joint Trench	60	Ft	$	$
85	L-110	Adjust Existing Conduit and/or Cable Including Trenching/Excavation & Backfilling	1,040	Ft	$	$
86	L-110	Cable Markers	14	Each	$	$
87	L-115	Remove & Dispose of Existing Electrical Manhole & Concrete Site Pad	12	Each	$	$
88	L-115	Adjust Electrical Manhole/Junction Box to Finished Grade Including 48"x48" Concrete Site Pad	2	Each	$	$
89	L-115	L-867B (12"), Class 1A, Electrical Junction Box with Flat Etched Steel Cover	29	Each	$	$
90	L-115	L-867B (12"), Class 1A, Light Base Can w/ Steel Cover	9	Each	$	$
91	L-125	Remove & Salvage Existing Runway End Identifier Light (REIL); Remove & Dispose of Concrete Site Pads, Footings, & Junction Box	1	Set	$	$
92	L-125	Remove & Salvage Existing Runway Threshold Light & Transformer; Remove & Dispose of Light Base Can & Concrete	16	Each	$	$
93	L-125	Remove & Salvage Existing Runway Edge Light & Transformer; Remove & Dispose of Light Base Can & Concrete	50	Each	$	$
94	L-125	Remove & Salvage Existing Taxiway Edge Lights & Transformers; Remove & Dispose of Light Base Can & Concrete	50	Each	$	$
95	L-125	Remove & Salvage Existing Precision Approach Path Indicators (PAPI) & Electrical Equipment Rack; Remove & Dispose of Screw-Anchor Footings, Site Pads, & Landscape Rock (4 units per Set)	2	Set	$	$
96	L-125	Remove & Salvage Existing Sign & Transformer; Remove & Dispose of Junction Box & Concrete Sign Pad	9	Each	$	$
97	L-125	L-849I, Style E (3 Brightness Steps), LED, Runway End Identifier Light (REIL), Including Footing & Site Pad	1	Set	$	$
98	L-125	L-861, 30-Inch Elevated, Mode 1, LED, Medium Intensity Runway Light (MIRL), White/Yellow, Including Base Can & Concrete	40	Each	$	$
99	L-125	L-861E, 30-Inch Elevated, Mode 1, LED, Medium Intensity Runway Light (MIRL), Red/Green, Including Base Can & Concrete	16	Each	$	$
100	L-125	L-861T, 30-Inch Elevated, Mode 1, LED, Medium Intensity Taxiway Light (MITL), Blue, Including Base Can & Concrete	76	Each	$	$
101	L-125	L-862, 30-Inch Elevated, Mode 1, Quartz, High Intensity Runway Light (HIRL), White/Yellow, Including L-868B (11.25" B.C.) to L-867B (10.25" B.C.) Bolt Circle Conversion/Adapter Ring	4	Each	$	$

Item No.	Spec No.	Item Description	Quantity	Unit	Unit Price	Total Price
102	L-125	L-858Y, Direction, LED, Airfield Sign, Size 2, Style 2, Class 2, Mode 2, 2-Module Including Junction Box & Concrete Sign Pad	1	Each	$	$
103	L-125	L-858Y, Destination, LED, Airfield Sign, Size 2, Style 2, Class 2, Mode 2, 3-Module Including Junction Box & Concrete Sign Pad	1	Each	$	$
104	L-125	L-858Y, Destination, LED, Airfield Sign, Size 2, Style 2, Class 2, Mode 2, 4-Module Including Junction Box & Concrete Sign Pad	1	Each	$	$
105	L-125	L-858Y, Direction, LED, Airfield Sign, Size 2, Style 3, Class 2, Mode 2, 2-Module Including Junction Box & Concrete Sign Pad	3	Each	$	$
106	L-125	L-858R/L, Mandatory/Location, LED, Airfield Sign, Size 2, Style 2, Class 2, Mode 2, 2-Module, Including Junction Box & Concrete Sign Pad	1	Each	$	$
107	L-125	L-858R/L, Mandatory/Location, LED, Airfield Sign, Size 2, Style 3, Class 2, Mode 2, 2-Module, Including Junction Box & Concrete Sign Pad	1	Each	$	$
108	L-125	L-858R/L, Mandatory/Location, LED, Airfield Sign, Size 2, Style 3, Class 2, Mode 2, 3-Module, Including Junction Box & Concrete Sign Pad	2	Each	$	$
109	L-125	L-858L/Y, Location/Destination, LED, Airfield Sign, Size 2, Style 2, Class 2, Mode 2, 3-Module, Including Junction Box & Concrete Sign Pad	1	Each	$	$
110	L-125	L-880, Style A (Voltage Driven), Class 2, LED, Precision Approach Path Indicator (PAPI) w/ Baffles, Concrete Footings & Site Pads	2	Set	$	$
111	L-125	Spare Parts	1	L.S.	$	$

Subtotal Base Bid items 1 – 111 inclusive **$_____**

Alternate Bid 1 - Runway 18 Turnaround

Item No.	Spec No.	Item Description	Quantity	Unit	Unit Price	Total Price
1	P-152	Unclassified Excavation	5,435	CuYd	$	$
2	P-154	Subbase Course (Furnished)	1,465	CuYd	$	$
3	P-154	Subbase Course (Recycled)	2,021	CuYd	$	$
4	P-154	Geotextile Separator Fabric	4,153	SqYd	$	$
5	P-154	Geogrid	500	SqYd	$	$
6	P-208	Aggregate Base Course	638	CuYd	$	$
7	P-401	Asphalt Base/Surface Course	902.9	Ton	$	$
8	P-401	Asphalt Binder (PG 64-34)	63.2	Ton	$	$
9	P-602	Emulsified Asphalt Prime Coat	4.9	Ton	$	$
10	P-603	Emulsified Asphalt Tack Coat	1.6	Ton	$	$
11	P-605	Route and Seal Existing / New Asphalt Joint	120	Ft	$	$
12	P-620	Temporary Pavement Markings (Yellow)	520	SqFt	$	$
13	P-620	Temporary Pavement Markings (Black)	153	SqFt	$	$
14	P-620	Pavement Markings (Yellow)	520	SqFt	$	$
15	P-620	Pavement Markings (Black)	153	SqFt	$	$
16	D-701	15" RCP Culvert	150	Ft	$	$
17	D-701	15" RCP Flared Ends	1	Each	$	$
18	D-705	4" Perforated Underdrain Pipe	1,495	Ft	$	$
19	D-705	Underdrain Cleanout	6	Each	$	$
20	D-705	Connect Underdrain to Storm Sewer	4	Each	$	$
21	D-751	2' x 3' Type B Inlet w/ Type E Frame and Grate and 6' x 6' Concrete Apron	1	Each	$	$
22	T-905	Topsoil (Removed from Stockpile)	1,258	CuYd	$	$
23	Plans	Inlet Protection	2	Each	$	$
24	L-108	1/C No. 8 AWG, 5kV, L-824, Type C Cable Installed in Conduit	1,958	Ft	$	$
25	L-108	1/C No. 6 AWG, Solid, Bare Copper Counterpoise Wire, Including Trenching or Plowing, Including Ground Rods, Connections & Terminations	1,760	Ft	$	$
26	L-110	Trenching & Backfilling or Plowing for Conduit	1,926	Ft	$	$
27	L-110	Non-Encased, Electrical Conduit, (1) 2 Inch, Type I, Sch. 40 PVC in Trench or SDR 13 HDPE Plowed	1,816	Ft	$	$
28	L-110	Sand-Encased, Electrical Conduit, (2) 2 Inch, Type III, Sch. 80 PVC in Joint Trench	110	Ft	$	$
29	L-110	Cable Markers	4	Each	$	$

Item No.	Spec No.	Item Description	Quantity	Unit	Unit Price	Total Price
30	L-125	**DEDUCT** - L-861, 30-Inch Elevated, Mode 1, LED, Medium Intensity Runway Light (MIRL), White/Yellow, Including Base Can & Concrete	-1	Each	$	$
31	L-125	L-861T, 30-Inch Elevated, Mode 1, LED, Medium Intensity Taxiway Light (MITL), Blue, Including Base Can & Concrete	43	Each	$	$
32	L-125	L-858Y, Direction, LED, Airfield Sign, Size 2, Style 2, Class 2, Mode 2, 2-Module Including Junction Box & Concrete Sign Pad	1	Each	$	$
33	L-125	L-858R/L, Mandatory/Location, LED, Airfield Sign, Size 2, Style 2, Class 2, Mode 2, 2-Module, Including Junction Box & Concrete Sign Pad	1	Each	$	$
34	L-125	L-858R/L, Mandatory/Location, LED, Airfield Sign, Size 2, Style 2, Class 2, Mode 2, 3-Module, Including Junction Box & Concrete Sign Pad	1	Each	$	$

Subtotal Alternate Bid 1 items 1 – 34 inclusive **$ _____**

Alternate Bid 2 - Runway 36 Turnaround

Item No.	Spec No.	Item Description	Quantity	Unit	Unit Price	Total Price
1	P-152	Unclassified Excavation	6,035	CuYd	$	$
2	P-152	Disposal of Excess Material	1,226	CuYd	$	$
3	P-154	Subbase Course (Furnished)	990	CuYd	$	$
4	P-154	Subbase Course (Recycled)	1,265	CuYd	$	$
5	P-154	Geotextile Separator Fabric	2,698	SqYd	$	$
6	P-154	Geogrid	500	SqYd	$	$
7	P-208	Aggregate Base Course	400	CuYd	$	$
8	P-401	Asphalt Base/Surface Course	567.2	Ton	$	$
9	P-401	Asphalt Binder (PG 64-34)	39.7	Ton	$	$
10	P-602	Emulsified Asphalt Prime Coat	3.1	Ton	$	$
11	P-603	Emulsified Asphalt Tack Coat	1.0	Ton	$	$
12	P-605	Route and Seal Existing / New Asphalt Joint	120	Ft	$	$
13	P-620	Temporary Pavement Markings (Yellow)	452	SqFt	$	$
14	P-620	Temporary Pavement Markings (Black)	153	SqFt	$	$
15	P-620	Pavement Markings (Yellow)	452	SqFt	$	$

Item No.	Spec No.	Item Description	Quantity	Unit	Unit Price	Total Price
16	P-620	Pavement Markings (Black)	153	SqFt	$	$
17	D-701	12" RCP Culvert	114	Ft	$	$
18	D-701	12" RCP Flared Ends	2	Each	$	$
19	D-705	4" Perforated Underdrain Pipe	1,207	Ft	$	$
20	D-705	Underdrain Cleanout	4	Each	$	$
21	D-705	Connect Underdrain to Storm Sewer	4	Each	$	$
22	T-905	Topsoil (Removed from Stockpile)	1,352	CuYd	$	$
23	Plans	Culvert Protection	2	Each	$	$
24	L-108	1/C No. 8 AWG, 5kV, L-824, Type C Cable Installed in Conduit	1,562	Ft	$	$
25	L-108	1/C No. 6 AWG, Solid, Bare Copper Counterpoise Wire, Including Trenching or Plowing, Including Ground Rods, Connections & Terminations	1,260	Ft	$	$
26	L-110	Trenching & Backfilling or Plowing for Conduit	1,377	Ft	$	$
27	L-110	Non-Encased, Electrical Conduit, (1) 2 Inch, Type I, Sch. 40 PVC in Trench or SDR 13 HDPE Plowed	1,317	Ft	$	$
28	L-110	Sand-Encased, Electrical Conduit, (2) 2 Inch, Type III, Sch. 80 PVC in Joint Trench	60	Ft	$	$
29	L-110	Cable Markers	2	Each	$	$
30	L-125	**DEDUCT** - L-861, 30-Inch Elevated, Mode 1, LED, Medium Intensity Runway Light (MIRL), White/Yellow, Including Base Can & Concrete	-1	Each	$	$
31	L-125	L-861T, 30-Inch Elevated, Mode 1, LED, Medium Intensity Taxiway Light (MITL), Blue, Installed on Existing L-867B Light Base Can	9	Each	$	$
32	L-125	L-861T, 30-Inch Elevated, Mode 1, LED, Medium Intensity Taxiway Light (MITL), Blue, Including Base Can & Concrete	30	Each	$	$
33	L-125	L-858Y, Direction, LED, Airfield Sign, Size 2, Style 2, Class 2, Mode 2, 2-Module Including Junction Box & Concrete Sign Pad	1	Each	$	$
34	L-125	L-858R/L, Mandatory/Location, LED, Airfield Sign, Size 2, Style 2, Class 2, Mode 2, 2-Module, Including Junction Box & Concrete Sign Pad	1	Each	$	$
35	L-125	L-858R/L, Mandatory/Location, LED, Airfield Sign, Size 2, Style 2, Class 2, Mode 2, 3-Module, Including Junction Box & Concrete Sign Pad	1	Each	$	$

Subtotal Alternate Bid 2 items 1 – 35 inclusive **$_____**

Alternate Bid 3 - Lighting and Electrical (Solar Powered Beacon)

Item No.	Spec No.	Item Description	Quantity	Unit	Unit Price	Total Price
1	Plan	**DEDUCT** - Electrical Equipment Rack (Beacon)	-1	Each	$	$
2	L-101	**DEDUCT** - L-802A, LED, Class 2, w/ Bird Spikes, w/ Dual L-810 LED Steady Burn Red Obstruction Lights, Mounted on New Tip-Down Pole	-1	Each	$	$
3	L-101	L-802A, LED, Class 2, Solar, w/ Bird Spikes, w/ Dual L-810 LED Steady Burn Red Obstruction Lights, Mounted on New Tip-Down Pole	1	Each	$	$
4	L-103	**DEDUCT** - L-103 40' Tip-Down Pole, Primed & Painted, Including Concrete Footing & Site Pad	-1	Each	$	$
5	L-103	L-103 40' Tip-Down Pole, Primed & Painted, Including Concrete Footing & Site Pad & Solar Power Supply (SPS)	1	Each	$	$
6	L-108	**DEDUCT** - 1/C No. 8 Cu. AWG, 600V, THWN-2, Installed in Conduit	-7,218	Ft	$	$
7	L-108	**DEDUCT** - 1/C No. 10 Cu. AWG, 600V (GND), THWN-2, Installed in Conduit	-3,609	Ft	$	$
8	L-110	**DEDUCT** - Trenching & Backfilling or Plowing for Conduit	-2,578	Ft	$	$
9	L-110	**DEDUCT** - Non-Encased, Electrical Conduit, (1) 2 Inch, Type I, Sch. 40 PVC in Trench or SDR 13 HDPE Plowed	-2,578	Ft	$	$
10	L-110	**DEDUCT** - Non-Encased, Electrical Conduit, (1) 2 Inch, Type III, SDR 11 HDPE, Bored	-207	Ft	$	$
11	L-110	**DEDUCT** - Boring for Electrical Conduit, (1) 2 Inch	-207	Ft	$	$
12	L-115	**DEDUCT** - L-867B (12"), Class 1A, Electrical Junction Box with Flat Etched Steel Cover	-5	Each	$	$

Subtotal Alternate Bid 3 items 1 – 11 inclusive **$** _____

Total Base Bid and Alternate Bids 1 & 2 **$** _____

Written: _____

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Dollars

All Items Furnished and Installed

***For Base Bid and selected Alternate Bid(s) Unit Prices will govern where used. Incorrect extensions or totals will be corrected and the corrected figures will be used in determining the low bidder. Final contract amount after construction will be determined based upon final quantities and unit price.**

PHASE 3

N E W S

SCALE 11X17
1"=40' HORIZ
1"=5' VERT

MATCHLINE

MATCHLINE

REMOVE AND SALVAGE
291–S.Y. X 6" DEPTH EXISTING ASPHALT ACCESS ROAD
FURNISH AND INSTALL
291–S.Y. X 6" DEPTH TOPSOIL
291–S.Y. GRASS SEEDING
(PHASE 3)

EXISTING ASPHALT ACCESS ROAD TO BE REMOVED (SEE SHEET 51)

THRESHOLD LIGHT GROUND ELEVATION: 1303.10
THRESHOLD LIGHT GROUND ELEVATION: 1303.30
THRESHOLD LIGHT GROUND ELEVATION: 1303.29
THRESHOLD LIGHT GROUND ELEVATION: 1303.22
THRESHOLD LIGHT GROUND ELEVATION: 1303.54
THRESHOLD LIGHT GROUND ELEVATION: 1303.46
THRESHOLD LIGHT GROUND ELEVATION: 1303.46
THRESHOLD LIGHT GROUND ELEVATION: 1303.28

EXISTING RUNWAY END 31 ELEVATION (1303.63)

(1303.32)

0+00 1+00 2+00 3+00 4+00 5+00

1303.16 (1303.2)
1303.20 (1303.2)
1303.18 (1303.2)
1302.56 (1302.6)
1302.94 (1302.7)
1302.76 (1302.8)
R40'
R50'

PROPOSED GROUND ELEV
(EXISTING GROUND ELEV)

1302.44 (1302.4)
1302.62 (1302.4)
1302.35 (1302.4)
18'
1302.54 (1302.5)
1302.71 (1302.5)
1302.45 (1302.5)

STA: 1+20, 9'R/L TO
STA: 4+20, 7'–25'R
CONSTRUCT
608–S.Y. ASPHALT ACCESS ROAD (PHASE 3)

MALSR GROUND ELEVATION: 1300.2

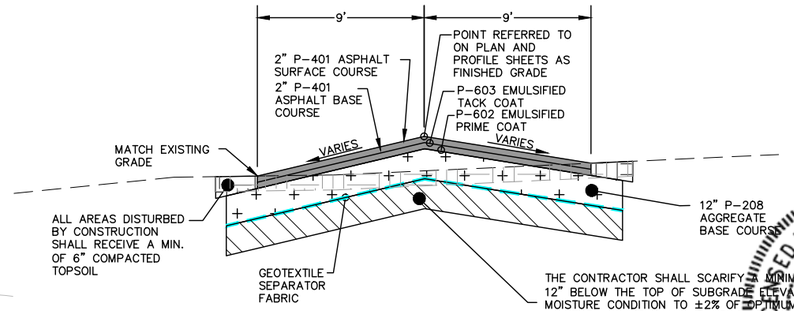
1302.83 (1302.9)
1303.00 (1302.8)
1302.76 (1302.8)
18'±
1303.00 (1303.1)
1303.18 (1302.9)
1302.77 (1302.8)
PROPOSED GROUND ELEV
(EXISTING GROUND ELEV)

PROPOSED ASPHALT ACCESS ROAD

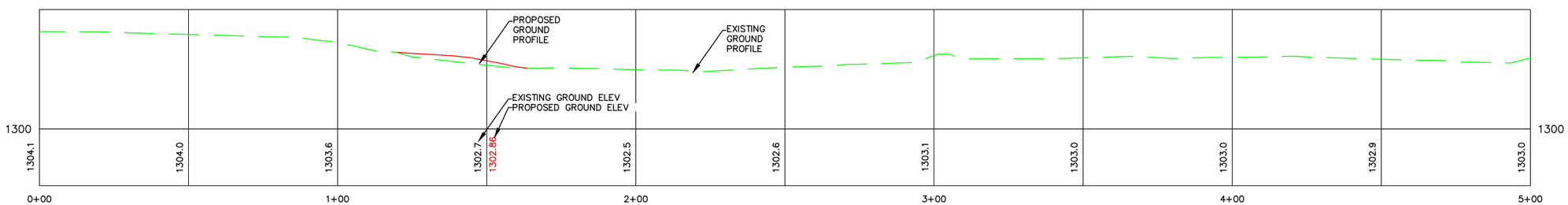
1303.17 (1303.2)
1303.26 (1303.1)
1302.95 (1303.0)
EXISTING GRAVEL ACCESS ROAD TO REMAIN

MALSR GROUND ELEVATION: 1303.0

1302



ACCESS ROAD TYPICAL SECTION



Date

I Hereby certify that this plans, specification, or report was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the State of South Dakota.
Registration No. 13607
BROOKE B. EDGAR
REGISTERED PROFESSIONAL ENGINEER
5/27/2026

416 Production St N.
P.O. Box 111,
Aberdeen, S.D. 57402
Phone: 605.225.1212
Fax: 605.225.3189
Email: bobb@helmsengineering.com

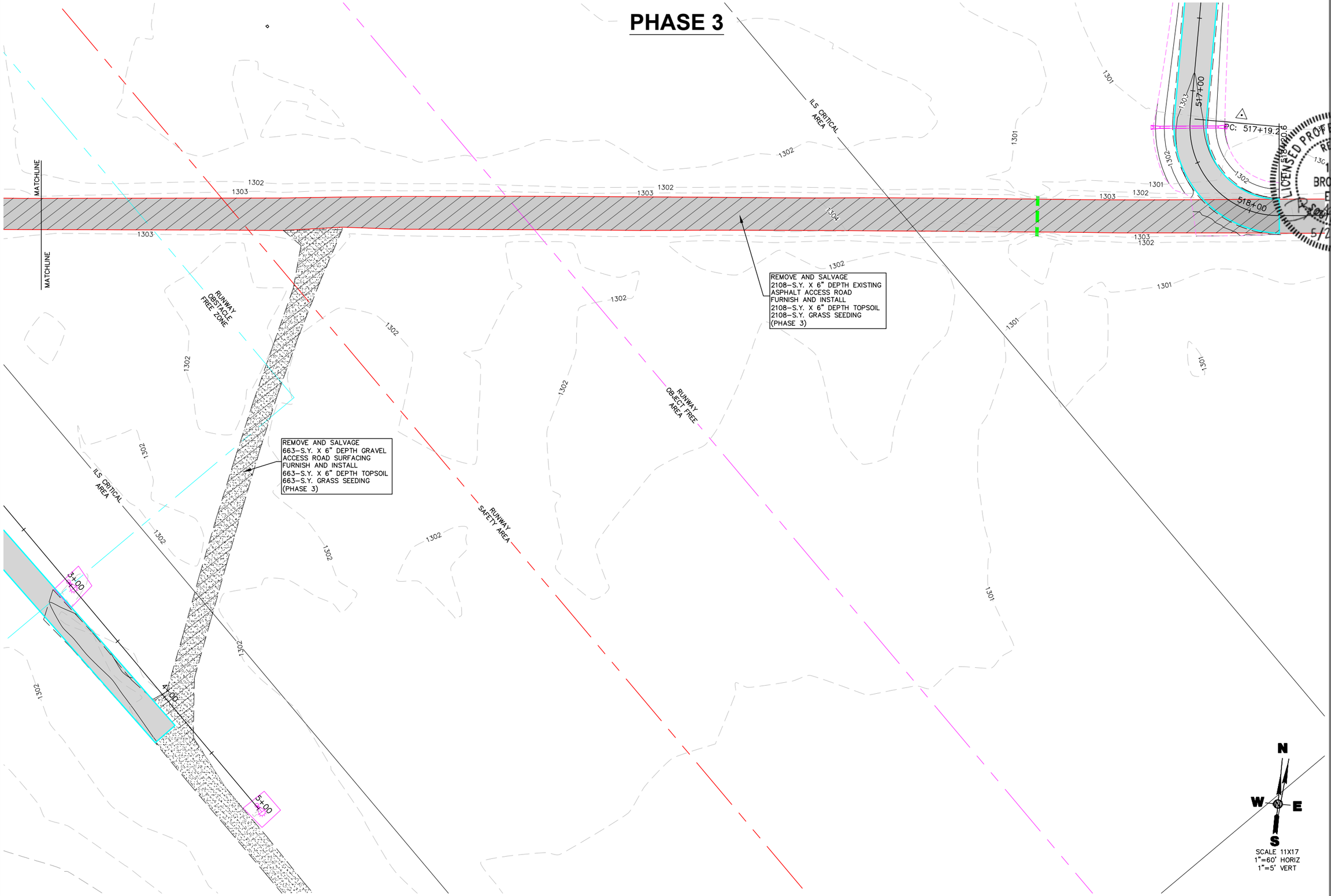
SPN Helms
CIVIL ENGINEERS & LAND SURVEYORS

ACCESS ROAD 31 END CONNECTION (PHASE 3)

RUNWAY 18/36 RECONSTRUCTION AND TAXIWAY IMPROVEMENTS
MITCHELL, SOUTH DAKOTA

Drawn By:	TMO
Chk' By:	BBE
Proj. No:	A-7141
Dwg. No:	7141-02
VP. No:	EX-AR-PP
Date:	6/9/26

PHASE 3



SCALE 11X17
1"=60' HORIZ
1"=5' VERT

Date

I Hereby certify that this plans, specification, or report was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the State of South Dakota.
Registration No.
BROOKE B. EDGAR
SOUTH DAKOTA
5/27/2026

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SPN Helms
CIVIL ENGINEERS & LAND SURVEYORS

ACCESS ROAD REMOVALS (PHASE 3)

RUNWAY 18/36 RECONSTRUCTION
AND TAXIWAY IMPROVEMENTS
MITCHELL, SOUTH DAKOTA

Drawn By:	TMO
Chk' By:	BBE
Proj. No:	A-7141
Dwg. No:	7141-02
VP. No:	EX-AR(2)
Date:	6/9/26

DATE: June 15, 2026

PROJECT: Runway 18/36 Reconstruction and Taxiway Improvements
Mitchell Municipal Airport
Mitchell, South Dakota
DGR Project No. 731501

LETTING DATE AND LOCATION: Wednesday, June 17, 2026 at 1:30 PM
City of Mitchell
612 N. Main Street
Mitchell, SD 57301

ADDENDUM NO. 1

This Addendum forms a part of the Contract Documents and modifies the Contract Documents, Specifications, and Drawings as described below. The Bidder shall acknowledge receipt of this Addendum in the space provided on the Revised Bid Form as failure to do so may subject the bid to disqualification.

Clarifications:

1. **Electrical Equipment Rack Plan Sheet E210.** Remove the Electrical Equipment Rack row on the Pier Schedule table. The Electrical Equipment Rack shall be constructed per the Electrical Equipment Rack detail on Sheet E213, including embedding the 2-1/2" RGS conduit.
2. **Solar Panel Supply Plan Sheet E214.** The Solar Panel Supply (SPS) Detail is a conceptual drawing. The Contractor shall propose design concepts to include solar panel size, battery type, enclosures, etc. to meet the performance specifications indicated in Keynote 1 for minimum charge/discharge cycles, and at least 7 days of autonomy.
3. **Solar Panel Supply Site Pad Plan Sheet E214.** An acceptable alternative to the concrete and aggregate base course site pad under the Solar Panel Supply (SPS) array is five inch thick, 1-1/2" landscape rock over 6 mil black polyethylene fabric with a green treat 2"x6" perimeter wood frame.

Project Manual:

1. **L-125-3.1-C Spare Parts.** The L-861(L) complete light fixtures spare quantity should be:
    a. 5 spare white/yellow
    b. 5 spare isolation transformers.

Drawings:

1. REPLACE the following plan sheets with the attached: E2, E30, and E37.

This addendum shall become a legal and binding part of the contract documents. All Bidders shall agree to accept the revisions indicated and prepare proposals in accordance there with.

DGR Engineering

By_____
Brian Meyer, PE

Plot Date: 6/12/2026 9:46:24 AM

GENERAL NOTES

1. COORDINATE CONSTRUCTION ACTIVITIES WITH THE PLANS AND THE CSPP.
2. COORDINATE VAULT ACTIVITIES WITH OWNER TO DE-ENERGIZE PANELS AND/OR CIRCUITS AS NECESSARY TO PERFORM WORK SAFELY.
3. COORDINATE REMOVAL AND SALVAGING OF ITEMS WITH THE ENGINEER AND OWNER.
4. COORDINATE THE INSTALLATION OF ALL BELOW-GRADE AND CAST-IN-PLACE CIRCUITRY WITH OTHER TRADES.
5. CONTRACTOR SHALL RETURN ALL DISTURBED SURFACES AND SOILS TO ORIGINAL OR PRE-CONSTRUCTION CONDITIONS UNLESS SPECIFICALLY INDICATED OTHERWISE.
6. EXISTING AND/OR NEW UNDERGROUND CONDUITS, DUCT BANKS, AND OTHER CIRCUITRY SHOWN ON THE PLANS ARE INTENDED TO BE DIAGRAMMATIC IN NATURE. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING ALL CIRCUITRY AND ROUTING IN THE FIELD.
7. THE CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR COORDINATING THE WORK WITH OTHER TRADES TO AVOID CONFLICTS IN SPACE REQUIREMENTS, CLEARANCE, ETC. PROBLEMS ARISING DUE TO LACK OF COORDINATION WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RESOLVE.
8. PROVIDE PANEL SCHEDULES FOR ALL NEW AND/OR MODIFIED PANELS. SCHEDULES SHALL BE TYPED.
9. FINAL CONNECTIONS TO EQUIPMENT SHALL BE PER MANUFACTURER'S APPROVED WIRING DIAGRAMS, DETAILS, AND INSTRUCTIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE MATERIALS AND EQUIPMENT COMPATIBLE WITH EQUIPMENT ACTUALLY SUPPLIED.
10. ALL EMPTY RACEWAY SYSTEMS SHALL HAVE A PULLWIRE OR APPROVED EQUIVALENT AND SHALL BE IDENTIFIED AT ALL JUNCTION, PULL, AND TERMINATION POINTS, USING PERMANENT METALLIC TAGS. TAG SHALL INDICATE THE INTENDED USE OF THE CONDUIT, ORIGINATION, AND TERMINATION POINTS OF EACH INDIVIDUAL CONDUIT.
11. WORK, MATERIALS, AND EQUIPMENT SHALL CONFORM TO THE LATEST EDITIONS OF LOCAL, STATE, AND NATIONAL CODES AND ORDINANCES.
12. VERIFY THAT EXACT LOCATION OF EQUIPMENT TO BE FURNISHED BY OTHERS PRIOR TO ROUGH-IN.
13. SYSTEMS SHALL BE TESTED FOR PROPER OPERATION. IF TESTS SHOW THAT WORK IS DEFECTIVE, CONTRACTOR SHALL MAKE CORRECTIONS NECESSARY AT NO COST TO OWNER.
14. SYSTEMS SHALL BE COMPLETE, OPERABLE, AND READY FOR CONTINUOUS OPERATION.
15. THE CONTRACTOR SHALL PERFORM ALL WORK AND FURNISH ALL MATERIALS AS INDICATED IN THE PLANS AND SPECIFICATIONS AS NECESSARY FOR THE SUCCESSFUL COMPLETION OF THIS PROJECT.
16. ALL WORK SHALL BE TESTED, AS REQUIRED BY CODE.
17. WORK SHALL BE PERFORMED ONLY BY INDIVIDUALS LICENSED AND TRAINED TO DO THE TYPE OF WORK.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL APPLICABLE PERMITS AND FEES. ANY PROBLEMS OR ISSUES ARISING FROM CONTRACTOR'S FAILURE TO OBTAIN PERMITS AND/OR FEES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO RESOLVE.
19. EQUIPMENT, WHICH IS REQUIRED BY CODE OR IS SPECIFIED TO HAVE SIMILAR LISTING, SHALL BE INSTALLED AS REQUIRED TO MEET THAT LISTING.
20. FINAL LOCATIONS OF EQUIPMENT MAY DIFFER SLIGHTLY FROM THOSE SHOWN ON THE PLANS. COORDINATE EXACT LOCATION OF EQUIPMENT WITH EQUIPMENT SUPPLIER, STRUCTURAL MEMBERS, AND OTHER TRADES BEFORE ROUGH-IN AND ADJUST ACCORDINGLY.
21. COORDINATE UTILITY WORK WITH LOCAL UTILITY, OWNER, AND OTHER CONTRACTORS TO MINIMIZE DISRUPTION AND DOWNTIME. ANY AND ALL CHARGES ASSESSED BY THE UTILITY TO ACCOMMODATE THE REQUIREMENTS OF THIS PROJECT ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. VERIFY ALL CHARGES WITH UTILITY BEFORE SUBMITTING BID.
22. PROVIDE LABELING OF ALL ITEMS TO IDENTIFY THEM BY NAME AND/OR FUNCTION. THESE LABELS SHALL BE ENGRAVED, PLASTIC-LAMINATED LABELS AS FOLLOWS: ENGRAVING STOCK, MELAMINE PLASTIC LAMINATE 1/16" MINIMUM THICKNESS, WITH ENGRAVED LEGEND IN BLACK LETTERS ON WHITE FACE. LABELS SHALL BE PROPERLY SECURED TO ENCLOSURES UTILIZING GLUE OR SCREWS.
23. MANUFACTURERS WHOSE PRODUCT IS NOT SPECIFIED OR SPECIFICALLY LISTED ON THE PLANS OR IN THE SPECIFICATIONS ARE ALLOWED TO SUBMIT INFORMATION ON A PRODUCT THAT THEY WOULD LIKE TO BE CONSIDERED AS AN EQUAL TO THOSE SPECIFIED OR LISTED. BY SUBMITTING THIS INFORMATION FOR CONSIDERATION, THE PRODUCT REPRESENTATIVE IS INDICATING THAT THE PRODUCT BEING PRESENTED FOR CONSIDERATION EQUALS OR EXCEEDS THE SPECIFIED PRODUCT IN QUALITY, PERFORMANCE, AND OPERATING PARAMETERS. THE PROCEDURE FOR THIS SUBMITTAL IS LISTED BELOW.
24. MARKUP PROCEDURE: DURING CONSTRUCTION, MAINTAIN A SET OF RED-LINED PRINTS OF CONTRACT DRAWINGS AND SHOP DRAWINGS FOR PROJECT RECORD DOCUMENT PURPOSES. MARK THESE DRAWINGS TO SHOW THE ACTUAL INSTALLATION WHERE THE INSTALLATION VARIES FROM THE INSTALLATION SHOWN ORIGINALLY. GIVE PARTICULAR ATTENTION TO INFORMATION ON CONCEALED ELEMENTS THAT WOULD BE DIFFICULT TO IDENTIFY OR MEASURE AND RECORD LATER.
25. AT COMPLETION OF PROJECT, PROVIDE TWO (2) OPERATION AND MAINTENANCE MANUALS. EACH MANUAL SHALL CONSIST OF ONE (1) 3-RING BINDER AND ONE (1) USB DRIVE CONTAINING PDF FILES WITH COPIES OF CUT SHEETS OF ALL EQUIPMENT INSTALLED AS PART OF THIS PROJECT. PROVIDE A TYPED LABEL ON FRONT OF MANUAL IDENTIFYING PROJECT NAME, DATE OF PROJECT, ENGINEER'S NAME, CONTRACTOR'S NAME, PHONE NUMBER, AND ADDRESS. PROVIDE AN INDEX SHEET AT FRONT OF MANUAL AND INDEX TABS.
26. SEE ARCHITECTURAL PLANS FOR ADDITIONAL BUILDING DIMENSIONS AND STOOP DETAILS.
27. A 1/2" PREFORMED EXPANSION MATERIAL SHALL BE PLACED BETWEEN THE PROPOSED CONCRETE PAVEMENT WHEN INSTALLED ADJACENT TO EXISTING CONCRETE PAVEMENT AND BUILDINGS.
28. PAVEMENT SURFACE SLOPES SHALL NOT EXCEED 2% MAXIMUM IN ANY ACCESSIBLE PARKING STALL OR ACCESSIBLE ISLE.
29. CONCRETE SIDEWALK JOINT PATTERNS SHALL NOT EXCEED WIDTH OF SIDEWALK.
30. CONCRETE JOINT SEALANT SHALL BE USED FOR ALL CONCRETE PAVEMENT. SEALANT SHALL BE HOT POURED ELASTIC JOINT SEALANT OR LOW MODULUS SILICONE SEALANT AS SPECIFIED IN THE SUDAS STANDARD SPECIFICATION, DIVISION 7.
31. ALL EXTERIOR CONCRETE SHALL BE SEALED WITH W.R. MEADOWS INTRAGUARD OR OWNER APPROVED EQUAL. APPLICATION SHALL BE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.

INSTALLATION NOTES

1. FIELD VERIFY CIRCUIT LOCATIONS AND EXISTING STRUCTURES.
2. REFER TO ELECTRICAL DETAILS FOR ADDITIONAL INFORMATION.
3. LOW VOLTAGE CABLES SHALL NOT BE INSTALLED IN HIGH VOLTAGE MANHOLES, JUNCTION BOXES, CANS, CONDUITS, ETC.
4. ALL CONDUIT UNDER PAVEMENT SHALL BE SCH. 80 PVC OR SDR 11 HDPE.
5. ALL SPLICES SHALL BE LOCATED IN A JUNCTION STRUCTURE, EXCEPT COUNTERPOISE.
6. ALL SPLICES, CONDUIT CONNECTIONS, AND CONDUIT FITTINGS SHALL BE CONSIDERED INCIDENTAL TO CORRESPONDING EQUIPMENT.
7. PROVIDE MINIMUM 3 FEET OF CABLE SLACK IN EACH JUNCTION STRUCTURE. SLACK SHALL BE INCIDENTAL TO ITS RESPECTIVE WIRE BID ITEM.
8. MARK PROPOSED CONDUIT AND CABLE WITH CABLE MARKERS.
9. ALL CONCRETE SHALL BE SDDOT 462 CLASS M CONCRETE, OR FAA P-610 CONCRETE FOR MISCELLANEOUS STRUCTURES.
10. ALL CONSTRUCTION METHODS, PROCEDURES, AND MATERIALS PROPOSED FOR THE PROJECT SHALL COMPLY WITH THE PLANS AND SPECIFICATIONS. THE ENGINEER, PRIOR TO CONSTRUCTION, SHALL APPROVE ANY ALTERNATE CONSTRUCTION METHOD PROPOSED BY THE CONTRACTOR.

REMOVE AND DISPOSE

1. ITEMS IDENTIFIED SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR PROPERLY PER LOCAL, STATE, AND FEDERAL REQUIREMENTS OFF AIRPORT PROPERTY.

REMOVE AND SALVAGE

1. ITEMS IDENTIFIED SHALL BE REMOVED AND SALVAGED TO THE OWNER IN AN ORGANIZED AND CLEAN MANNER. THE CONTRACTOR SHALL PLACE THE MATERIALS ON AIRPORT PROPERTY AT A LOCATION DETERMINED BY THE OWNER.

CONTRACTOR SAFETY REQUIREMENTS

1. THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING ALL LOCAL, STATE, AND FEDERAL RULES AND REGULATIONS REGARDING SITE SAFETY. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR SITE SAFETY FROM THE ISSUANCE OF THE NOTICE TO PROCEED UNTIL FINAL ACCEPTANCE. THE OWNER SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO FOLLOW ALL APPLICABLE RULES AND REGULATIONS.
2. CONDUIT TO REMAIN IS CONDUIT THAT WILL BE REUTILIZED WITH THIS PROJECT. CONDUIT TO BE ABANDONED IS NOT INTENDED TO BE REUTILIZED WITH THIS PROJECT.

CONSTRUCTION METHODS

1. ALL CONSTRUCTION METHODS, PROCEDURES, AND MATERIALS PROPOSED FOR THE PROJECT SHALL COMPLY WITH THE PLANS AND SPECIFICATIONS. THE ENGINEER, PRIOR TO CONSTRUCTION, SHALL APPROVE ANY ALTERNATE CONSTRUCTION METHOD PROPOSED BY THE CONTRACTOR.

ELECTRICAL VAULT WORK, COMPLETE

1. ALSO REFER TO ITEM L-109 AIRPORT TRANSFORMER VAULT AND VAULT EQUIPMENT.
2. THE CONTRACTOR SHALL ARRANGE AND PAY FOR ALL NECESSARY INSPECTIONS REQUIRED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
3. EMT CONDUIT AND STAMPED STEEL CONDUITS MAY BE USED IN VAULT INTERIOR. ALL EXTERIOR ABOVE-GROUND CONDUITS SHALL BE RIGID METALLIC CONDUIT, GALVANIZED WITH CAST BOXES AND LONG BENDS (LB).
4. CONDUIT ENTERING THROUGH AN INSIDE WALL OF THE VAULT BUILDING SHALL TERMINATE IN A NEMA ENCLOSURE, A PULLBOX, OR WIREWAY. SIZE PER PLAN.
5. ALL INSTALLED EQUIPMENT SHALL BE CLEARLY MARKED AND LABELED ON THE OUTSIDE OF THE CASINGS.
6. ITEMS IDENTIFIED AS "FUTURE CKTs" SHALL BE PROVIDED WITH THE APPROPRIATE SIZE CONDUIT/STUBOUT THROUGH THE VAULT WALL AND CONNECTED TO THE WIREWAY ON THE INTERIOR OF THE VAULT. ALL CONDUIT/STUBOUTS IDENTIFIED AS "FUTURE CKTs" SHALL BE TERMINATED, CAPPED, AND WATERTIGHT SEALED ON THE EXTERIOR OF THE VAULT TO ACCOMMODATE FUTURE CONDUIT CONNECTIONS. ALL STUBOUTS SHALL EXTEND A MINIMUM OF 3 FEET BEYOND THE VAULT BUILDING GROUNDING WIRE (COUNTERPOISE) OR 5 FEET BEYOND THE BUILDING FOOTPRINT, WHICHEVER IS GREATER.
7. ALL CONDUITS SHALL BE INSTALLED TO BELOW FINISHED GRADE AND FRICTION-FIT CAPPED (DO NOT GLUE).
8. ALL EQUIPMENT SHALL BE INSTALLED PER NEC, NFPA, AND FAA REQUIREMENTS.
9. LAYOUT IS DIAGRAMMATIC IN NATURE AND DOES NOT SHOW ALL ITEMS REQUIRED.
10. PROVIDE SEPARATE WIREWAY FOR COMMUNICATION, LV, AND HV CONDUCTORS.

BUY AMERICAN BUILD AMERICAN ACT (BABA)

1. THE PLANS AND SPECIFICATIONS CALL FOR EQUIPMENT MODELS IN SEVERAL PLACES, BUT THEY ARE CONSIDERED AS A "PERFORMANCE STANDARD", ALTHOUGH IT IS NOT BABA/BUY AMERICAN COMPLIANT. IF THE BIDDER CANNOT FIND A BABA/BUY AMERICAN COMPLIANT SUBSTITUTE, THE BIDDER CAN CHECK THE "THE BIDDER OR OFFEROR HEREBY CERTIFIES IT CANNOT COMPLY WITH THE 100 PERCENT BUY AMERICAN PREFERENCES OF 49 U.S.C § 50101(A) BUT MAY QUALIFY FOR A TYPE 3 WAIVER UNDER 49 U.S.C § 50101(B)" BOX ON THE BUY AMERICAN FORMS AND SUBMIT A WAIVER REQUEST.

LOCATING UNDERGROUND UTILITY WORK

1. CONTRACTOR SHALL LOCATE OR SHALL HAVE THE SERVING UTILITIES LOCATE ALL UNDERGROUND CABLE, CONDUITS, PIPING, UTILITIES, ETC., PRIOR TO COMMENCING CONSTRUCTION (UNDERGROUND EXCAVATION). CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGES DUE TO CONSTRUCTION ACTIVITIES.
2. THE CONTRACTOR SHALL FIELD LOCATE AND MARK ON THE GROUND WITH PAINT AND FLAGS ALL EXISTING AIRFIELD LIGHTING CIRCUITS. THE ENGINEER SHALL SURVEY THE LOCATIONS.
3. LOCATING UNDERGROUND UTILITY WORK SHALL BE MEASURED AND PAID ON A LUMP SUM BASIS.

VERIFY UNDERGROUND UTILITY WORK (POTHOLE)

1. ALSO REFER TO ITEM 02 01 00 MAINTENANCE OF EXISTING CONDITIONS.
2. VERIFYING UTILITY WORK SHALL CONSIST OF EXCAVATING MATERIAL (POTHOLING) TO VERIFY THE DEPTH OF AN EXISTING UTILITY LINE (PRIVATE OR PUBLIC), TO AVOID POSSIBLE CONFLICTS, WHEN DIRECTED BY THE ENGINEER. VERIFYING UNDERGROUND UTILITY WORK IS INCIDENTAL TO THE VERIFY UNDERGROUND UTILITY WORK (POTHOLE) BID ITEM.

CORE DRILLING OF EXISTING LIGHT BASE CANS

1. CORE DRILL AT LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE RESIDENT PROJECT REPRESENTATIVE (RPR), INTO THE SIDES OF EXISTING CONCRETE ENCASED LIGHT BASE CANS FOR THE PURPOSE OF INSTALLING ADDITIONAL CONDUIT ENTRANCES. THE CONTRACTOR SHALL ACCURATELY LOCATE AND EXPOSE THE LIGHT BASE AND SURROUNDING CONCRETE AS NECESSARY TO PERFORM THE WORK. CORE DRILL OPENINGS OF SUFFICIENT SIZE AND ALIGNMENT TO ACCOMMODATE THE PROPOSED CONDUIT(S) WITHOUT DAMAGING THE LIGHT BASE, EXISTING CONDUITS, CONDUCTORS, OR APPURTENANCES. EXERCISE EXTREME CARE TO AVOID DAMAGE TO EXISTING AIRFIELD LIGHTING SYSTEMS AND MAINTAIN OPERATIONAL INTEGRITY. PROVIDE WATERTIGHT AND SECURE CONDUIT ENTRIES (FLEXIBLE GROMMETS) INTO THE LIGHT BASE, INCLUDING SEALING OF ANNULAR SPACES WITH APPROVED NON-SHRINK GROUT OR DUCT SEAL. COMPLETE ALL REQUIRED CONDUIT INSTALLATION, CABLE ROUTING, SPLICING, GROUNDING, AND SYSTEM RESTORATION IN ACCORDANCE WITH THE PLANS. RESTORE DISTURBED CONCRETE, BACKFILL, AND SURFACE CONDITIONS TO EQUAL OR BETTER CONDITION THAN EXISTING. CORE DRILLING OPERATIONS THAT DAMAGE PROTECTIVE COATINGS, STRUCTURAL INTEGRITY, OR FUNCTIONALITY OF THE LIGHT BASE SHALL BE REJECTED AND REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE OWNER. CORE DRILLING OF LIGHT BASE CANS WILL BE MEASURED ON A PER EACH BASIS FOR EACH COMPLETED CORE DRILL, INCLUDING ALL ASSOCIATED AND INCIDENTAL WORK. PAYMENT SHALL BE MADE AT THE CONTRACT UNIT PER PRICE EACH CORE DRILL, WHICH SHALL INCLUDE FULL COMPENSATION FOR ALL LABOR, MATERIALS, EQUIPMENT, EXCAVATION, CONCRETE REMOVAL AND RESTORATION, SEALING, AND ALL INCIDENTAL AND RELATED WORK NECESSARY TO COMPLETE THE INSTALLATION AS ACCEPTED BY THE RPR.

LOWERING EXISTING CONDUIT & CABLES

1. EXISTING UNDERGROUND ELECTRICAL CONDUITS AND ASSOCIATED CABLES AND DIRECT EARTH BURIED CABLES, WHICH CONFLICT WITH GRADING OPERATIONS SHALL BE ADJUSTED UP OR DOWN TO PROVIDE THE REQUIRED MINIMUM COVER, AS DETAILED IN THE PLANS AND AS DIRECTED BY THE RPR. THE CONTRACTOR SHALL VERIFY EXISTING DEPTHS (POTHOLE) PRIOR TO ANY EXCAVATIONS. THE CONTRACTOR SHALL EXCAVATE AND EXPOSE THE CONDUIT AS INDICATED ON THE PLANS AND PER ITEM 02 01 00. VERIFYING DEPTH (POTHOLING) SHALL BE MEASURED AND PAID PER THE CONTRACT UNIT PRICE PER EACH. PROTECT, ADJUST, AND RESTORE THE CIRCUITRY SYSTEM TO FULL OPERATIONAL CONDITION WITHOUT DAMAGE TO EXISTING FACILITIES, AND RESTORATION SHALL BE INCLUDED. ADJUSTING OF CONDUIT AND/OR CABLES SHALL BE MEASURED PER LINEAR FOOT COMPLETED AND ACCEPTED BY THE RPR. MEASUREMENT & PAYMENT SHALL BE MADE AT THE CONTRACT UNIT PRICE PER LINEAR FOOT, WHICH SHALL INCLUDE FULL COMPENSATION FOR ALL LABOR, MATERIALS, EQUIPMENT, EXCAVATION, BACKFILLING, TESTING, COORDINATION, AND ALL INCIDENTAL AND RELATED WORK.
2. IF CABLE IS DIRECT EARTH BURIED (DEB) AND THE PLANS INDICATE CONDUIT ENCASEMENT, THE CONDUIT ENCASEMENT MATERIAL WILL BE MEASURED & PAID PER LINEAR FOOT OF ELECTRICAL SPLIT CONDUIT TO INCLUDE CONDUIT ENCASEMENT MATERIAL (e.g. SAND OR AS IDENTIFIED IN THE PLANS)
3. SDDOT CLASS M CONCRETE CAP TO BE MEASURED AND PAID PER THE CONTRACT UNIT PRICE PER LINEAR FOOT OF CONCRETE CAP, 4 INCH, OVER ADJUSTED FAA-OWNED UNDERGROUND ELECTRICAL LINE DISTRIBUTION (ELD) SYSTEM TO INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, PREPARATION, CURING, SHORING, DEWATERING, RESTORATION, COORDINATION, TESTING, AND RELATED INCIDENTALS.

REGISTERED PROFESSIONAL ENGINEER
REG. NO.
7286
BRIAN D. MEYER
SOUTH DAKOTA
06/15/2026

RUNWAY 18/36 RECONSTRUCTION W/ TURNAROUNDS & CONNECTOR TAXILANES W/ LIGHTING IMPROVEMENTS
MITCHELL MUNICIPAL AIRPORT
MITCHELL, SOUTH DAKOTA

NOTES

BGS | 06-15-2026 | ADDENDUM NO.1

REVISIONS

Helms & ASSOCIATES
CIVIL ENGINEERS & LAND SURVEYORS

Project Manager: BDM
Designer: BGS
Project Number: 731501
Phone: (605) 339-4157

DGR ENGINEERING

Sheet
E2

P:\07\300 SOUTH DAKOTA\315 MITCHELL (MHE)\731501 RUNWAY 18-3664 - DESIGN\PLANS\731501 - LEGEND, ABBREVIATIONS & SHEET INDEX.DWG

Plot Date: 6/12/2026 9:48:52 AM

KEYNOTES

1. PRELIMINARY POTHOLING WAS PERFORMED BY THE CITY, WHICH IDENTIFIED THE UTILITY TO BE APPROXIMATELY EIGHT FEET (8') BELOW PRE-CONSTRUCTION GRADE (UAC).
2. PRELIMINARY POTHOLING WAS PERFORMED BY THE CITY, WHICH IDENTIFIED THE UTILITY TO BE APPROXIMATELY SIX FEET (6') BELOW PRE-CONSTRUCTION GRADE (UAC).

0 20 40

EXIST FAA OWNED UNDERGROUND GLIDE SLOPE POWER SUPPLY & REMOTE SYSTEM MONITORING (RSM) FIBER OPTIC & COPPER CABLES IN CONDUIT (UAC). ALSO SEE CIVIL PLANS

EXIST STORM SEWER (SEE CIVIL PLANS)

EXIST STORM MANHOLE (SEE CIVIL PLANS)

(1) 1/C #8 5kV XLPE IN (1 OF 2) 2" CONDUIT (TYP.) (RWY 18/36 CKT)
(2) 1/C #4 Cu 600V THWN-2
(1) 1/C #6 Cu 600V THWN-2 (GND) IN (1 OF 2) 2" CONDUIT (PAPI 18 CKT)
(JOINT TRENCH)

JB#3, L-867B, CLASS IA (PAPI 18 CKT)

RSA — ST — FAA — AL

PROPOSED PAVEMENT EDGE (TYP.)

#6 BARE Cu COUNTERPOISE (DEB) (TYP.)

37.5' (TYP.)

319+00 320+00 321+00 **PROPOSED RWY 18/36** 322+00 323+00

37.5' (TYP.)

10' (TYP.)
5' (TYP.)

+21.42 +12.85 +04.28

#6 BARE Cu COUNTERPOISE (DEB) (TYP.)

21 EQ SPACES @ 191.43'=4,020.00'

(1) 1/C #8 5kV XLPE IN (1) 2" CONDUIT (TYP.) (RWY 18/36 CKT)

(1) 1/C #8 5kV XLPE IN (1) 2" CONDUIT (SCH 80) (RWY 18/36 CKT)

5' (TYP.)
10' (TYP.)

VERIFY UTILITY (POTHOLE) (FIELD LOCATE & PROTECT)

REMOVE ASPHALT AS INDICATED PER CIVIL PLANS. NOT INCLUDED ELECTRICAL/LIGHTING BID ITEMS

PROPOSED PAVEMENT EDGE (TYP.)

(1) 2"

EXIST VOR ASPHALT SERVICE RD

EXIST PAVEMENT EDGE (SEE CIVIL PLANS)

EXIST STORM MANHOLE (SEE CIVIL PLANS)

EXIST STORM SEWER (SEE CIVIL PLANS)

EXIST STORM SEWER (SEE CIVIL PLANS)

VICINITY MAP
NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 7286
BRIAN D. MEYER
SOUTH DAKOTA
06/15/2026

RUNWAY 18/36 RECONSTRUCTION W/ TURNAROUNDS & CONNECTOR TAXILANES W/ LIGHTING IMPROVEMENTS
MITCHELL MUNICIPAL AIRPORT
MITCHELL, SOUTH DAKOTA

LIGHTING PLAN

REVISIONS
BGS | 06-15-2026 | ADDENDUM NO.1

Helms & Associates
CIVIL ENGINEERS & LAND SURVEYORS

Project Manager: BDM
Designer: BGS
Project Number: 731501
Phone: (605) 339-4157

DGR ENGINEERING

Sheet
E30

P:\07300 SOUTH DAKOTA\315 MITCHELL (MHE)\731501 RUNWAY 18-3664 - DESIGN\PLANS\731501 - LIGHTING PLAN.DWG

KEYNOTES

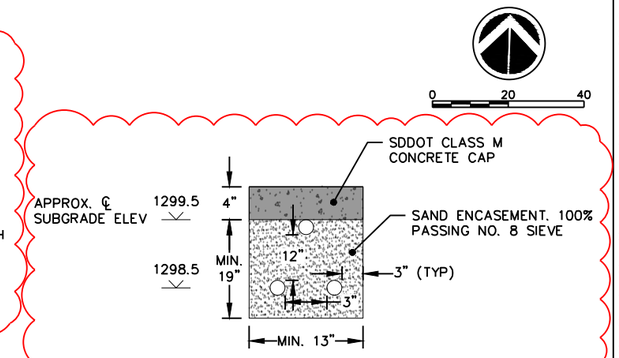
UNDER PAVEMENT AND EXTENDED 15' BEYOND THE EDGE OF PROPOSED PAVEMENT: (SEE DETAIL & NOTES ON THIS SHEET)

(1) RAISE THE EXISTING DEB POWER SUPPLY CABLES EIGHT INCHES (8") TO ELEV 1298.5. INSTALL CABLES WITHIN ONE OF THREE NEW 2-INCH SCH. 80 SPLIT CONDUITS, AND ENCASE IN SAND. (GLIDE SLOPE POWER CKT) (UNDERDRAIN CONFLICT)

(1) LOWER THE EXISTING DEB FIBER OPTIC CABLES EIGHT INCHES (8") TO ELEV 1298.5. INSTALL CABLES WITHIN ONE OF THREE NEW 2-INCH SCH. 80 SPLIT CONDUITS, AND ENCASE IN SAND. (GLIDE SLOPE FO CKT) (GRADING CONFLICT)

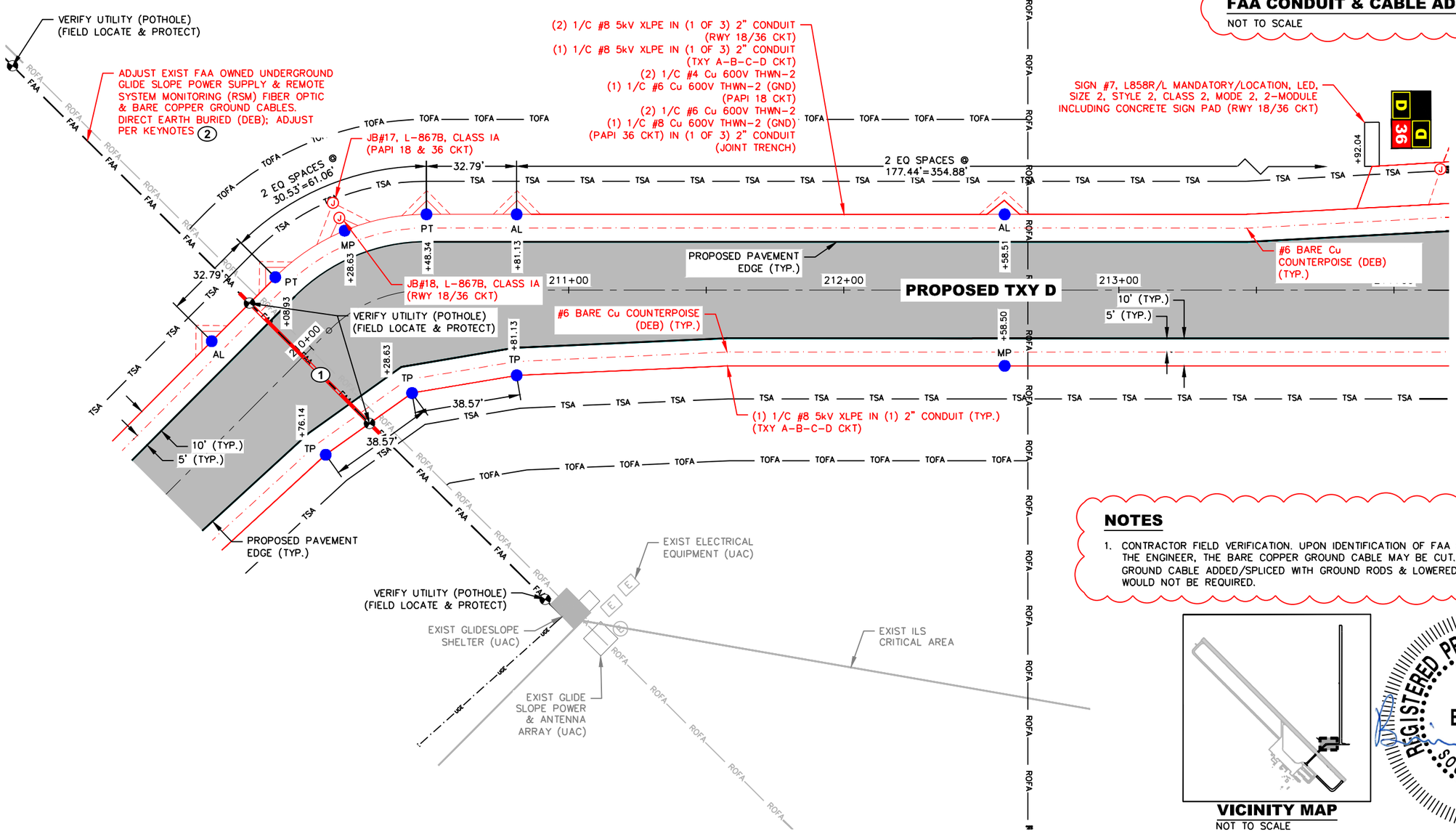
(1) LOWER THE EXISTING DEB BARE COPPER GROUND CABLE EIGHT INCHES (8") TO ELEV 1299.5. INSTALL CABLES WITHIN ONE OF THREE NEW 2-INCH SCH. 80 SPLIT CONDUITS, AND ENCASE IN SAND. CAP WITH MIN. FOUR INCHES OF CONCRETE. (GLIDE SLOPE GROUND CKT) (GRADING CONFLICT)

(2) VERIFY DEPTH VIA POTHOLE PER ITEM 02 01 00. MACHINE EXCAVATING PERMITTED AFTER VERIFICATION TO WITHIN 12" OF CABLES. REMAINING 12" OF EXCAVATION SHALL BE VIA VACUUM EXCAVATION OR COMPARABLE NON-DESTRUCTIVE METHOD APPROVED BY ENGINEER.



FAA CONDUIT & CABLE ADJUSTMENT DETAIL

NOT TO SCALE



NOTES

1. CONTRACTOR FIELD VERIFICATION. UPON IDENTIFICATION OF FAA CIRCUITS & APPROVAL FROM THE ENGINEER, THE BARE COPPER GROUND CABLE MAY BE CUT. ADDITIONAL, BARE COPPER GROUND CABLE ADDED/SPLICED WITH GROUND RODS & LOWERED. CONDUIT ENCASEMENT WOULD NOT BE REQUIRED.

VICINITY MAP

NOT TO SCALE

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