North Dakota Department of Transportation

Grant Levi, P.E.
Director

Jack Dalrymple
Governor

December 5, 2016

ADDENDUM 1 – JOB 10

TO: All prospective bidders on project NH-4-052(082)041, Job No. 10 scheduled for the December 16, 2016 bid opening.

The following plan and request for proposal revisions shall be made:

Plan Revisions:
Remove and replace sheet 2-1 and with the enclosed sheets revised 11/28/16.

Add sheets 180-1, 180-2, and 180-3.

Sheet 2-2:
Table of Contents has been revised to add Section 180 Pit Plats and Borrow Areas.

This addendum is to be incorporated into the bidder's proposal for this project.

For CAL J. GENDREAU – CONSTRUCTION SERVICES ENGINEER
80:dch
Enclosure

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LIST OF STANDARD DRAWINGS

Standard No.	Description
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D-706-1	Bituminous Laboratory
D-760-3	Rumble Strips Undivided Highways (Shoulders 4' or Greater)
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D-762-1	Pavement Marking Message Details
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SPECIAL PROVISIONS

Number	Description
5127(14)	Permits and Environmental Considerations

Revised 11/28/16

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	NH-4-052(082)041	180	1

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION

TEST HOLE PLAT

Location: W1/2 31-163-86 County: Renville

Ownership: Hartman A. Brekhus by Robert B. Fleming, Conservator

Area "A" consists of Test Holes 1 - 9
Area "B" consists of Test Holes 10 - 18
Area "C" consists of Test Holes 19 - 27
Area "D" consists of Test Holes 28 - 34
Area "E" consists of Test Holes 35 - 43
Area "F" consists of Test Holes 44 - 52
Area "G" consists of Test Holes 53 - 61
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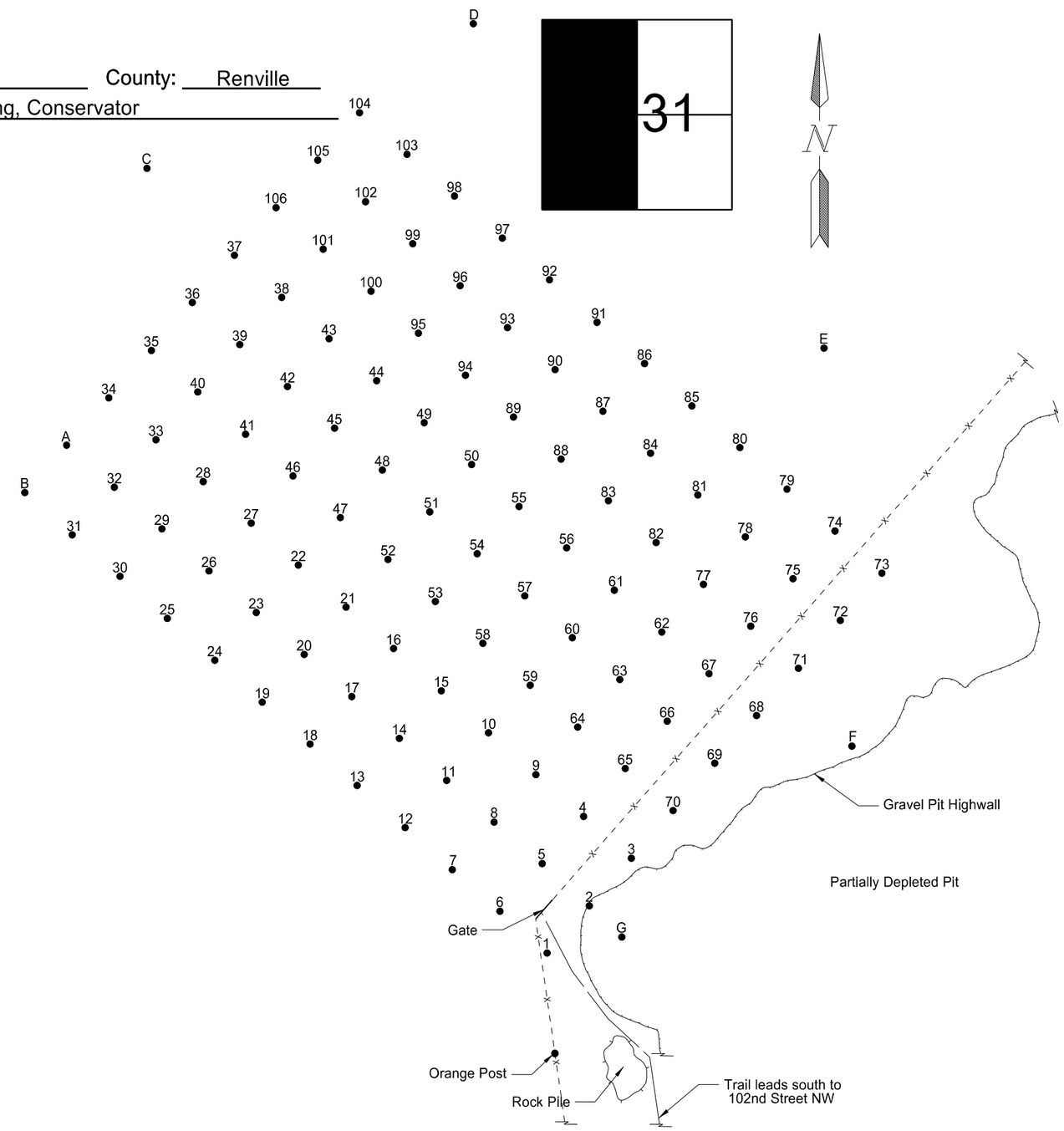
Area "I" consists of Test Holes 71 - 79
Area "J" consists of Test Holes 80 - 88
Area "K" consists of Test Holes 89 - 97
Area "L" consists of Test Holes 98 - 106
Test Holes A - G for information only

Legend:
gr = gravel
sd = sand
FS = fine sand
Fgr = fine gravel
CS = coarse sand
sh = shale
SiCl = silt clay
rk = rock
FeO = Iron oxide
CoS = Coal Slack
WL = water line
NG = no gravel
DM = disturbed material
CGr = course gravel

LOCATION OF PIT IN SECTION



Scale 1"=200'

Revised 11/28/16

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	NH-4-052(082)041	180	2

PIT LOGGING BY TEST HOLES

Test Hole No.	Depth of Stripping (Ft)	Depth of Material (Ft)	% Retained on 1½" Screen	% Retained on ¾" Screen	% Retained on 3/8" Screen	% Retained on #4 Screen	Bottom of Test Hole
1	1.5	3.5 gr	2	10	24	45	rk
2	1.5	2.5 Cgr	12	34	53	61	+cave
		2.0 gr					
		5.0 CGr					
3	1.0	6.0 Cgr	4	21	41	62	+cave
		2.0 gr					
		2.0 Cgr					
		2.0 gr					
4	2.5	1.0 gr	6	30	44	51	+cave
		0.5 SiCl gr					
		10.0 Cgr					
5	1.0	3.0 gr	6	32	55	64	+cave
		10.0 Cgr					
6	2.0	5.0 gr	1	14	35	52	rk
		1.0 Fgr					
		0.5 gr					
7	1.0	9.0 Cgr	6	26	46	57	rk
		2.0 gr					
8	2.0	4.0 Cgr	4	34	48	53	rk
		4.0 gr					
		2.0 Cgr					
9	1.0	2.0 gr	6	35	53	62	+cave
		10.0 Cgr					
10	2.5	0.5 gr	3	22	41	58	+cave
		5.0 Cgr					
		4.0 gr					
11	1.0	3.0 gr	6	37	52	58	+cave
		11.0 Cgr					
12	1.0	8.5 Cgr	6	31	43	47	+gr
		1.5 gr					
		3.5 sd					
		5.5 gr					
13	1.5	1.5 Cgr	4	20	28	32	+cave
		1.0 gr					
		7.0 sd					
		6.0 gr					
		1.0 Cgr					
14	1.0	8.0 Cgr	3	24	42	49	FS
		3.0 gr					
		3.0 Cgr					
		1.0 gr					
		2.0 sd					
15	1.0	6.0 Cgr	2	16	36	60	rk
		2.0 gr					
16	0.5	9.5 Cgr	2	33	53	64	+cave
		3.0 gr					
17	1.5	8.5 Cgr	7	31	46	54	+cave
		4.0 gr					
		4.0 Cgr					

PIT LOGGING BY TEST HOLES

Test Hole No.	Depth of Stripping (Ft)	Depth of Material (Ft)	% Retained on 1½" Screen	% Retained on ¾" Screen	% Retained on 3/8" Screen	% Retained on #4 Screen	Bottom of Test Hole
18	1.5	0.5 Fgr	7	39	56	61	+cave
		1.0 gr					
		9.0 Cgr					
19	2.0	3.0 gr	0	26	44	60	+cave
		2.0 Cgr					
		3.0 gr					
20	1.0	1.0 gr	6	21	38	55	+cave
		4.0 Cgr					
		6.0 gr					
21	1.0	7.0 Cgr	2	22	48	65	+cave
		2.0 gr					
22	1.0	5.0 gr	0	10	31	56	rk
23	1.0	2.0 gr	2	15	33	54	rk
		2.0 Cgr					
		2.0 gr					
24	2.0	3.0 gr	0	10	20	29	rk
25	1.0	5.0 gr	2	19	37	53	rk
		2.0 Cgr					
26	1.0	1.0 gr	6	28	50	61	rk
		2.0 Cgr					
27	1.0	6.0 gr	0	11	31	52	rk
28	0.5	5.5 gr	2	17	35	50	rk
		1.0 Cgr					
		1.0 gr					
29	1.5	2.5 gr	2	21	41	54	rk
		3.0 Cgr					
30	1.0	4.5 gr	2	19	42	59	rk
31	1.0	5.0 gr	1	10	24	37	rk
32	3.0	3.5 gr	3	14	26	40	rk
33	1.5	2.5 gr	2	26	38	47	rk
34	1.0	3.0 gr	2	20	37	48	rk
		1.0 Cgr					
		1.0 gr					
35	1.0	3.0 gr	2	13	27	42	+cave
		4.0 Cgr					
36	2.0	6.0 gr SiCl	1	22	41	61	+cave
		3.0 gr					
37	1.5	10.5 Cgr	4	30	55	69	rk
		3.0 gr					
		1.0 Cgr					
38	0.5	6.5 Cgr	4	30	57	71	+cave
		4.0 gr					
39	2.0	5.0 Cgr	3	31	50	62	rk
		1.0 gr					
40	1.0	1.0 Fgr	3	13	29	52	+cave
		5.0 gr					
41	1.0	6.0 gr	1	13	32	55	rk
42	2.5	2.5 Cgr	3	12	29	46	rk
		1.0 gr					
		2.0 Fgr					

PIT LOGGING BY TEST HOLES

Test Hole No.	Depth of Stripping (Ft)	Depth of Material (Ft)	% Retained on 1½" Screen	% Retained on ¾" Screen	% Retained on 3/8" Screen	% Retained on #4 Screen	Bottom of Test Hole
43	1.0	4.0 gr	2	28	55	65	+cave
		6.0 Cgr					
		1.0 gr					
44	1.0	7.0 Cgr	3	27	50	69	+cave
		2.0 gr					
45	4.0	4.0 gr	9	33	47	54	+cave
		3.0 Cgr					
46	1.0	2.0 gr	3	15	33	56	rk
		2.0 Cgr					
47	0.5	8.5 gr	1	13	32	61	+cave
48	1.0	3.0 gr	4	31	49	58	+cave
		9.0 Cgr					
		1.0 gr					
49	1.0	1.5 gr	2	19	43	61	+cave
		6.5 Cgr					
		1.0 gr					
		2.0 Fgr					
50	1.0	8.0 Cgr	2	18	34	51	+cave
		2.0 gr					
		2.0 Fgr					
51	1.5	4.5 Cgr	6	32	46	52	+cave
		1.0 CS					
		2.0 gr					
		2.0 Cgr					
52	0.5	7.5 Cgr	3	20	44	63	+cave
		2.0 gr					
		2.0 Cgr					
53	1.0	1.5 gr	2	26	46	59	+cave
		7.5 Cgr					
		2.0 gr					
		1.0 Fgr					
54	1.0	3.0 Cgr	1	13	36	57	+cave
		2.0 gr					
		3.0 Cgr					
55	0.5	6.5 gr	0	23	52	70	rk
		2.0 Cgr					
		1.0 gr					
56	1.0	2.0 gr	3	31	54	71	+cave
		3.0 Cgr					
		1.0 gr SiCl					
		2.0 Cgr					
		2.0 gr					
		1.0 Fgr					
57	0.5	4.5 Cgr	1	16	38	65	+cave
		1.0 gr					
		5.0 cgr					

PIT LOGGING BY TEST HOLES

Test Hole No.	Depth of Stripping (Ft)	Depth of Material (Ft)	% Retained on 1½" Screen	% Retained on ¾" Screen	% Retained on 3/8" Screen	% Retained on #4 Screen	
58	2.0	1.0 gr	0	15	33	57	WL
		4.0 Cgr					
		1.0 gr					
		3.0 gr SiCl					
		3.0 Fgr					
		1.5 gr					
		1.5 Fgr					
59	1.0	3.0 gr	4	30	54	67	+cave
		10.0 Cgr					
60	1.0	5.0 gr	2	16	33	51	+cave
		3.0 Fgr					
		1.0 gr					
		2.0 Fgr					
61	1.5	9.5 Cgr	3	21	49	68	+cave
62	1.0	8.0 gr	1	12	35	58	+cave
		1.0 Cgr					
		4.0 Fgr					
63	0.5	5.5 Cgr	3	19	38	59	+cave
		2.0 gr					
		1.0 Cgr					
		3.0 gr					
64	1.0	1.0 gr	4	31	47	56	+cave
		9.0 Cgr					
65	1.0	2.0 Cgr	3	24	48	65	+cave
		2.0 gr SiCl					
		6.0 Cgr					
		2.0 gr					
		2.0 Cgr					
		2.0 gr					
66	2.0	1.0 gr	0	5	14	25	+cave
		3.0 Fgr					
		2.0 CS					
		1.0 Fgr					
67	0.5	2.5 gr	2	21	39	58	+cave
		1.0 Cgr					
		4.0 Fgr					
		1.0 gr					
		2.0 Fgr					
		1.0 gr					
		2.0 Fgr					

RANGE 86 **TWP** 163 **SEC** 31

COUNTY Renville Jun-16

PROSPECTED BY Rogstad/Usher

INSPECTED & APPROVED Jeffrey Swank Jul-16

Revised 11/28/16

STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	NH-4-052(082)041	180	3

PIT LOGGING BY TEST HOLES

Test Hole No.	Depth of Stripping (Ft)	Depth of Material (Ft)	% Retained on 1½" Screen	% Retained on ¾" Screen	% Retained on 3/8" Screen	% Retained on #4 Screen	Bottom of Test Hole
68	5.0	2.0 Cgr	1	13	37	60	+cave
		1.0 Fgr					
		6.0 gr					
69	2.0	1.0 gr	3	18	42	67	+cave
		2.0 Cgr					
		3.0 gr					
		1.0 Fgr					
		3.0 gr					
70	1.0	6.0 Cgr	3	19	44	62	+cave
		7.0 gr					
71	1.0	2.0 gr	1	14	22	36	+cave
		9.0 Fgr					
72	1.0	3.0 gr	2	12	19	29	+cave
		1.0 Fgr					
		3.0 CS					
		2.0 Fgr					
		1.0 gr					
73	3.0	5.0 Fgr	0	6	12	19	+cave
		1.0 CS					
		3.0 Fgr					
74	0.5	2.5 gr	0	12	18	30	+cave
		3.5 Fgr					
		1.5 gr					
		1.0 CS					
		1.0 Fgr					
		1.0 gr					
75	1.5	3.5 gr	1	18	29	45	+cave
		8.0 Fgr					
76	4.0	4.0 gr	1	17	28	43	+cave
		3.0 Fgr					
		3.0 gr					
77	1.5	4.0 Fgr	1	11	28	47	+cave
		1.5 gr					
		1.0 Cgr					
		4.0 Fgr					
78	1.0	2.0 gr	1	8	18	43	+cave
		2.0 Fgr					
		2.0 gr					
		4.0 Cgr					
79	2.0	3.0 gr	1	14	23	36	+cave
		1.0 Fgr					
		3.0 CS					
		3.0 Fgr					
80	3.0	4.0 gr	0	13	21	33	+cave
		2.0 Fgr					
		1.0 CS					
		2.0 Fgr					

PIT LOGGING BY TEST HOLES

Test Hole No.	Depth of Stripping (Ft)	Depth of Material (Ft)	% Retained on 1½" Screen	% Retained on ¾" Screen	% Retained on 3/8" Screen	% Retained on #4 Screen	Bottom of Test Hole
81	0.5	0.5 CS	0	9	24	44	+cave
		3.0 Fgr					
		1.5 CS					
		2.5 Fgr					
		1.0 gr					
		1.0 Fgr					
		2.0 gr					
82	1.0	6.0 Cgr	0	21	40	55	+cave
		2.0 gr					
		3.0 Fgr					
83	1.0	2.0 Cgr	4	23	47	68	+cave
		9.0 gr					
84	2.0	1.0 Fgr	0	11	23	46	+cave
		2.0 gr					
		2.0 Fgr					
		2.0 gr					
85	5.0	1.0 gr	1	8	16	34	+cave
		4.0 Fgr					
		1.0 CS					
		2.0 Fgr					
86	1.5	8.5 gr	2	13	24	42	+cave
		1.0 Cgr					
		1.0 gr					
87	3.0	1.0 FS	0	21	40	54	+cave
		2.0 Fgr					
		3.0 gr					
		1.0 Fgr					
		4.0 gr					
88	0.5	3.5 Cgr	1	26	45	65	rk
		2.0 gr					
		4.0 Cgr					
89	2.0	4.0 gr	1	14	30	54	rk
		2.0 Fgr					
90	1.0	3.0 Fgr	2	22	33	46	+cave
		2.0 FS					
		1.0 Fgr					
		1.0 FS					
		5.0 gr					
		2.0 Cgr					
91	1.0	7.0 Fgr	3	23	33	43	+cave
		7.0 gr					
92	5.0	6.0 gr	1	21	34	51	+cave
		3.0 Cgr					
		1.0 gr					

PIT LOGGING BY TEST HOLES

Test Hole No.	Depth of Stripping (Ft)	Depth of Material (Ft)	% Retained on 1½" Screen	% Retained on ¾" Screen	% Retained on 3/8" Screen	% Retained on #4 Screen	Bottom of Test Hole
93	2.0	2.0 Fgr	3	23	37	49	+cave
		1.5 sd					
		0.5 Fgr					
		1.5 sd SiCl					
		0.5 sd					
		1.0 gr					
		3.0 Cgr					
		4.0 gr					
		1.0 Cgr					
		1.0 gr					
94	2.0	3.0 gr	3	21	46	64	+cave
		6.0 Cgr					
95	1.5	4.5 gr	2	23	40	53	+cave
		1.0 Fgr					
		4.0 gr					
96	3.0	2.0 gr	5	24	39	51	+cave
		4.0 Cgr					
		2.0 gr					
		3.0 Cgr					
97	1.0	2.0 Cgr	4	32	48	60	+cave
		2.0 gr					
		7.0 Cgr					
		1.0 Fgr					
98	1.5	7.5 gr	4	27	44	55	+cave
		3.0 Cgr					
99	2.0	4.0 gr	4	28	47	56	+cave
		3.0 Cgr					
100	1.0	4.0 gr	4	26	39	50	+cave
		6.0 Cgr					
101	1.5	4.5 gr	0	17	33	48	+cave
		1.0 Fgr					
		3.0 gr					
		1.0 Cgr					
102	2.0	6.0 gr	1	24	39	49	+cave
		3.0 Cgr					
103	2.0	5.0 gr	4	32	43	50	+cave
		3.0 Cgr					
104	0.5	4.5 gr	1	24	45	63	+cave
		6.0 Cgr					
105	1.0	1.0 Fgr	4	25	40	48	rk
		3.0 gr					
		2.0 Cgr					
106	1.0	4.0 gr	3	33	47	54	+cave
		4.0 Cgr					

PIT LOGGING BY TEST HOLES

Test Hole No.	Depth of Stripping (Ft)	Depth of Material (Ft)	% Retained on 1½" Screen	% Retained on ¾" Screen	% Retained on 3/8" Screen	% Retained on #4 Screen	Bottom of Test Hole
A	1.0	0.0					rk
B	1.0	3.0 gr	0	14	28	41	rk
C	1.0	1.0 gr	2	34	50	63	+cave
		1.0 Cgr					
		2.0 gr					
		1.0 gr SiCl					
D	0.5	3.5 gr	1	22	37	50	+cave
		5.0 Cgr					
		1.0 gr					
E	2.0	3.0 Fgr	0	9	15	21	+cave
		1.0 sd					
		3.0 Fgr					
		2.0 CS					
F	1.0	1.0 gr	0	6	13	24	+cave
		2.0 Fgr					
		2.0 CS					
		5.0 Fgr					
G	0.0	1.0 gr	1	11	22	49	WL
		4.0 Fgr					

RANGE 86 **TWP** 163 **SEC** 31

COUNTY Renville Jun-16

PROSPECTED BY Rogstad/Usher

INSPECTED & APPROVED Jeffrey Swank Jul-16