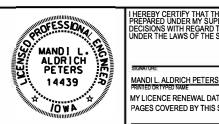
IOWA DEPARTMENT OF NATURAL RESOURCES

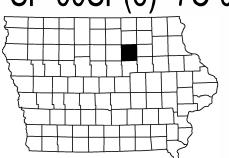
CONSTRUCTION DOCUMENTS **FOR** SWEET MARSH WILDLIFE MANAGEMENT AREA QUAIL AVENUE PCC PAVEMENT MAINTENANCE REBID

BREMER COUNTY, IOWA

PROJECT # 21-03-09-05 IDOT PROJECT # SP-00SP(6)--7C-00



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SIGNATURE				DATE
MANDI L. A	LDRICH PETERS	:		DATE
MANDI L. A				DATE
PRINTED ORT			BER 31, 20 <u>23</u>	DATE



DIRECTORY						
PROJECT	MANAGER	CONSTRUCTION INSPECTOR				
COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES	COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES			
ADDRESS	502 EAST 9TH STREET	ADDRESS	502 E 9TH STREET			
CITY,STATE,ZIP	DES MOINES, IA, 50319	CITY,STATE,ZIP	DES MOINES, IOWA 50319			
CONTACT	MANDI L. ALDRICH PETERS	CONTACT	KENNETH HOWE			
TELEPHONE	TELEPHONE 515-205-1698		319-240-3553			
FAX		FAX				
ENAM	Mara E Aldrick Data and description	FILAU	Kt-U			

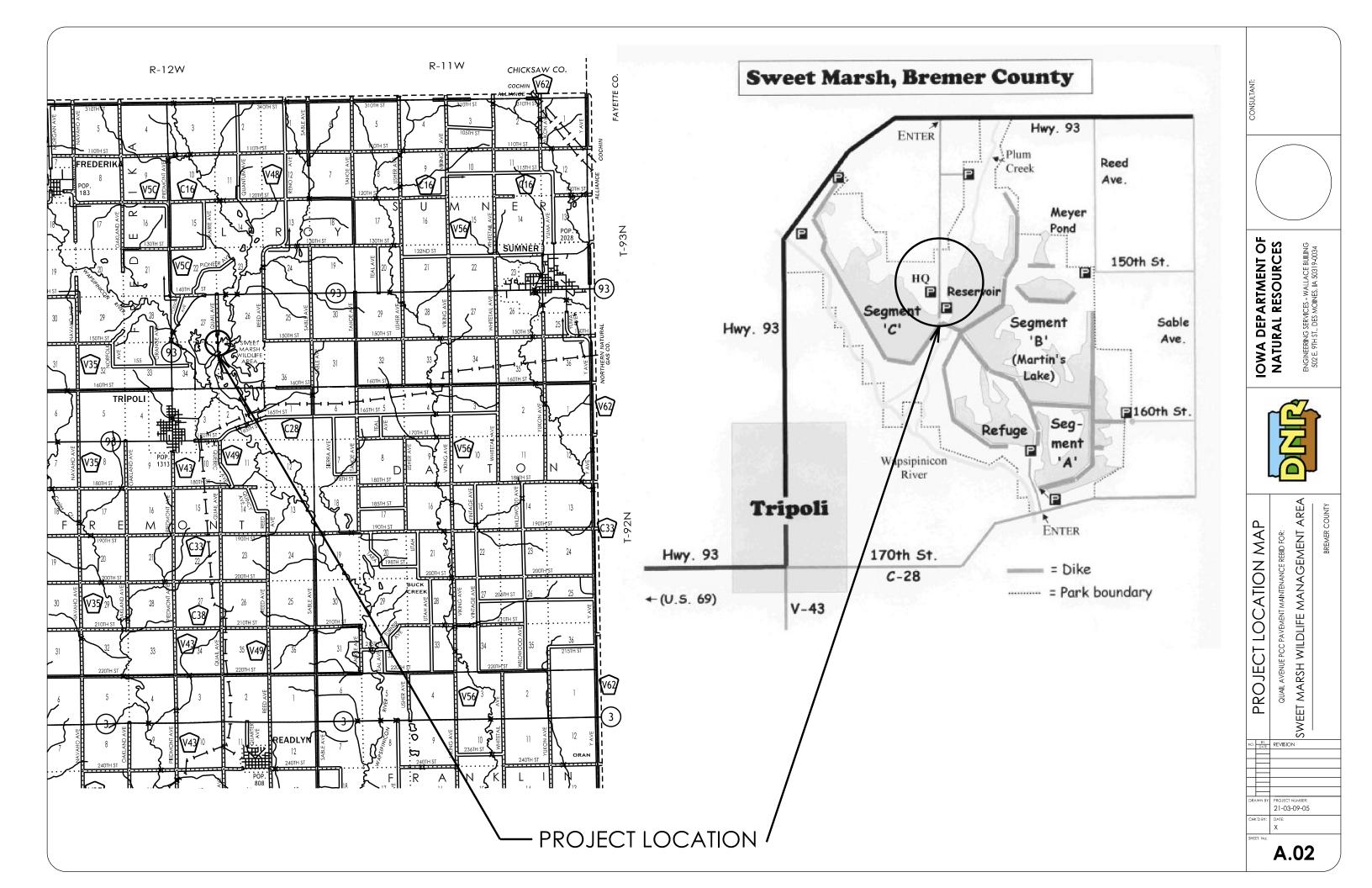
1-800-292-8989 www.iowaonecall.com	Know what's below.
AUTHORIZATION TO	BID

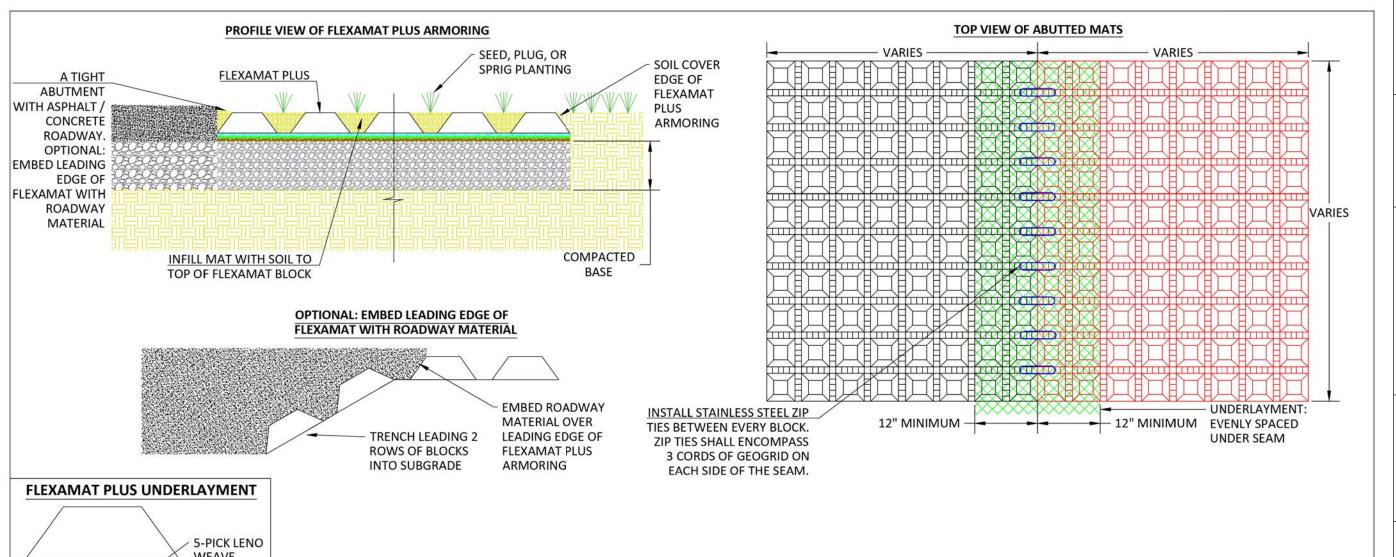
AUTHORIZATION - PARKS	S WILDLIFE FISHERIES LAW ENFORCEMENT FORESTRY	DAT
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	SHEET INDEX	
A.01	COVER SHEET	
A.02	LOCATION MAP	
B.01	GENERAL DETAILS	
B.02	GENERAL DETAILS	
B.03	GENERAL DETAILS	
C.01	QUANTITIES AND GENERAL INFORMATION	
D.01	SITE PLAN	
D.02	SITE PLAN	ł
D.03	SITE PLAN	
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MARSH WILDLIFE MANAGEMENT





FLEXAMAT PLUS - ACCESS ROAD ARMORING

RECYCLEX TRM

SUBGRADE THICKNESS OF CRUSHED STONE

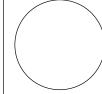
SITE SOIL TYPE	LIGHT LOAD VEHICLES:	HEAVY LOAD VEHICLES: LARGE
	CARS/PICKUP TRUCKS	TRUCKS, RV'S, DELIVERY VEHICLES
GRAVEL AND SAND, COURSE	BASE: 3.5-7.5" OF CRUSHED	BASE: 7.5" OF CRUSHED
WELL DRAINED SOILS	STONE	STONE
SILTY SOILS, FINE GRAIN	BASE: 7.5" OF CRUSHED	BASE: 9.5" OF CRUSHED
SOILS, POOR DRAINAGE	STONE	STONE
CLAY SOILS FINE TO VERY	BASE: 6-9.5" OF CRUSHED	BASE: 10" OF CRUSHED
FINE	STONE	STONE

*ROLLS AVAILABLE IN MULTIPLE WIDTHS: 4', 5.5', 8', 10', 12', AND 16'. FOR ARMORING WIDER THAN 16', A 15.5' ROLL WITH A 6" PLUS **EXTENSION AND A 12"** GEOGRID EXTENSION FOR **ABUTMENTS SHALL BE** USED.

MOTZ ENTERPRISES, INC.

Flexamat (513)772-6689 Info@Flexamat.com Flexamat.com





IOWA DEPARTMENT OF NATURAL RESOURCES

ENGINEERING SERVICES - WALLACE BUILING 502 E. 9TH ST., DES MOINES, IA 50319-0034

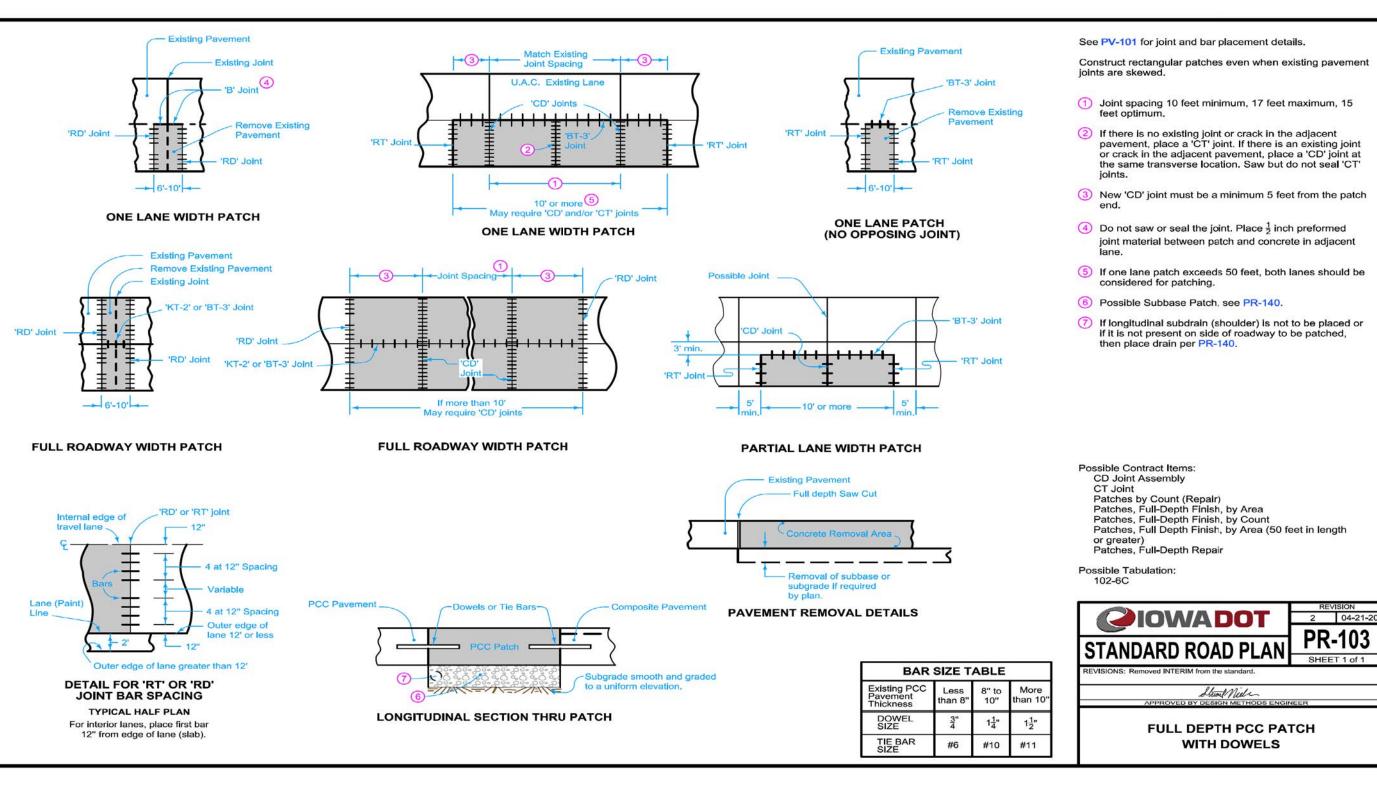


QUALL AVENUE PCC PAVEMENT MAINTENANCE REBID FOR: SWEET MARSH WILDLIFE MANAGEMENT

GENERAL DETAILS

C. BY REVISION 21-03-09-05

B.01



IOWA DEPARTMENT OI NATURAL RESOURCES

ENGINEERING SERVICES - WALLACE BUILING 502 E. 9TH ST., DES MOINES, IA 50319-0034



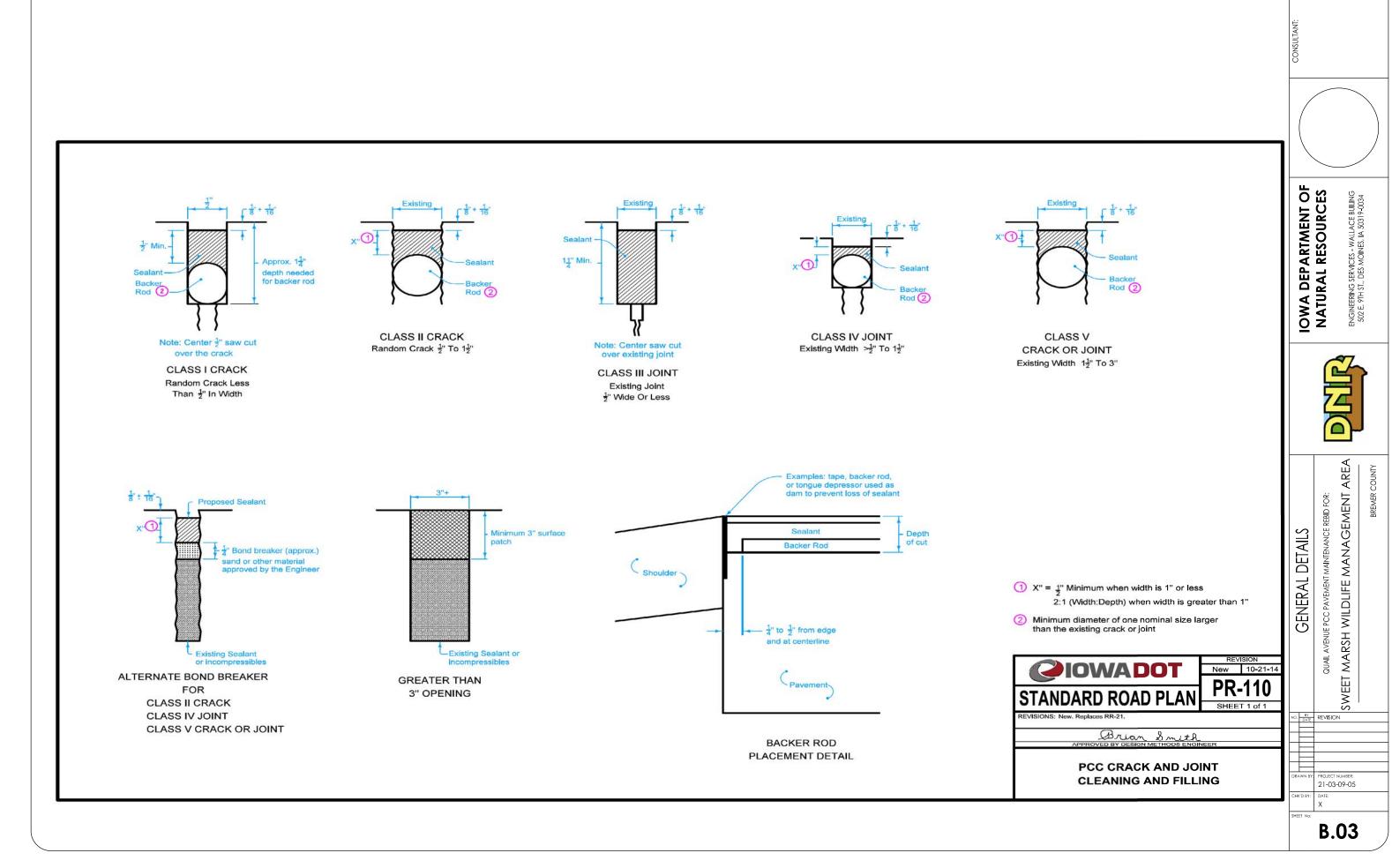
NT MAINTENANCE REBID FOR:

MANAGEMENT **DETAILS**

GENERAL [WILDLIFE MARSH '

SWEET REVISION 21-03-09-05

B.02



ESTIMATE REFERENCE INFORMATION							
ITEM NO.	DESCRIPTION						
1 2	Patches, Full-Depth Finish, by Area Patches, Full-Depth Finish, by Area (Greater than 50 ft in length) A. Class C Mix. B. All joints are incidental. C. Saw cuts are incidental. D. Minimum 48-hour notice to DNR Field Engineer before pouring.						
4	Subbase (Patches) A. 6" of subbase shall be placed below all patches.						
7	Paved Shoulder, PCC, 6" A. Class C Mix. B. All joints are incidental. C. Minimum 48-hour notice to DNR Field Engineer before pouring.						
9	Foreslope Erosion Countermeasure A. Mat shall be Flexamat Plus FR or approved equal. B. Trench leading 2 rows of blocks at 2:1 slope into subgrade and embedded into PCC shoulder.						
10 11	Removal of Existing Revetment Removal of Existing Rock A. Material shall be stockpiled in the NW corner of the near by parking lot.						

	FULL-DEPTH PATCHES								
	LOCATION DIMENSION						PCC PATCHES WITH DOWELS PR-103 (SY)		
COUNT	STATION	LANE (L, R, OR B)	LENGTH (FT)	WIDTH (FT)	THICKNESS (IN)	<= 50 FT LENGTH	> 50 FT LENGTH	SUBBASE (SY)	NOTES
1	11+75	L	75	6	6		50	50	
1	12+00	L	120	6	6		80	80	
1	19+15	L	60	12	6		80	80	
1	22+20	L	15	6	6	10		10	
1	50+30	L	12	15	6	20		20	
2	50+40	В	12	30	6	40		40	
2	50+60	В	12	30	6	40		40	
1	50+80	L	12	12	6	10		10	IRREGULAR SHAPE
10						120	210	330	<u> </u>

GENERAL NOTES

Verify actual locations and elevations with DNR Engineer.

All work shall conform to and be performed in accordance with all applicable codes and ordinances.

The contractor shall visit the site and inspect the project area and thoroughly familiarize themselves with the actual job conditions prior to bidding and the start of work. Failure to visit the project site shall not relieve the contractor from performing the work in accordance to the plans, specification, special provisions and contract.

The contractor shall verify, at the site, all dimensions and conditions shown on the plans and shall notify the DNR Engineer of any discrepancies, omissions, and/or conflicts prior to proceeding with the work.

It shall be the contractor's responsibility to provide waste areas or disposal sites for excess material (excavated material or broken concrete) which is not desirable to be incorporated into the work involved on this project. No payment for overhaul will be allowed for material hauled to these sites. No material shall be placed within the right-of-way, unless specifically stated in the plans or approved by the DNR Engineer.

The contractor shall not disturb desirable grass areas and desirable trees outside the construction limits. The contractor will not be permitted to park or service vehicles and equipment or use these areas for storage of materials. Storage, parking and service areas will be subject to the approval of the DNR Engineer.

Unless otherwise directed by the Plans, Specifications, or the DNR Engineer, all trees with a trunk diameter of three inches or greater when measured at breast height, shall be felled between October 1st and March 31st. Brush and debris removal is not restricted by this note.

Where utilities and fixtures are shown as Existing on the plans or encountered within the construction area, it shall be the responsibility of the contractor to notify the DNR Engineer of those utilities prior to the beginning of any construction. The contractor shall be afforded access to these facilities for necessary modification of services. Underground facilities, structures and utilities have been plotted from available surveys and records and therefore their locations must be considered approximate only. It is possible there may be others, the existence of which is presently not known or shown. It is the contractor's responsibility to determine their existence and exact location and to avoid damage thereto. No claims for additional compensation will be allowed to the contractor for any interference or delay caused by such work.

The contractor shall shape graded area to maintain surface drainage. All elevations are to finish grade.

The contractor is expected to have materials, equipment, and labor available on a daily basis to install and maintain erosion control features on the project. This may involve seeding, silt fence, rock ditch checks, silt basins or silt dikes.



IOWA DEPARTMENT OF NATURAL RESOURCES

ENGINEERING SERVICES - WALLACE BUILING 502 E. 9TH ST., DES MOINES, IA 50319-0034



QUAIL AVENUE PCC PAVEMENT MAINTENANCE REBID FOR: MARSH WILDLIFE MANAGEMENT

GENERAL INFORMATION

QUANTITIES AND SWEET

NO. BY REVISION 21-03-09-05

C.01

