IOWA DEPARTMENT OF NATURAL RESOURCES

FOR NISHNABOTNA WILDLIFE UNIT FRAZER'S BEND ACCESS ROAD

FREMONT COUNTY, IOWA

PROJECT # 14-04-36-02





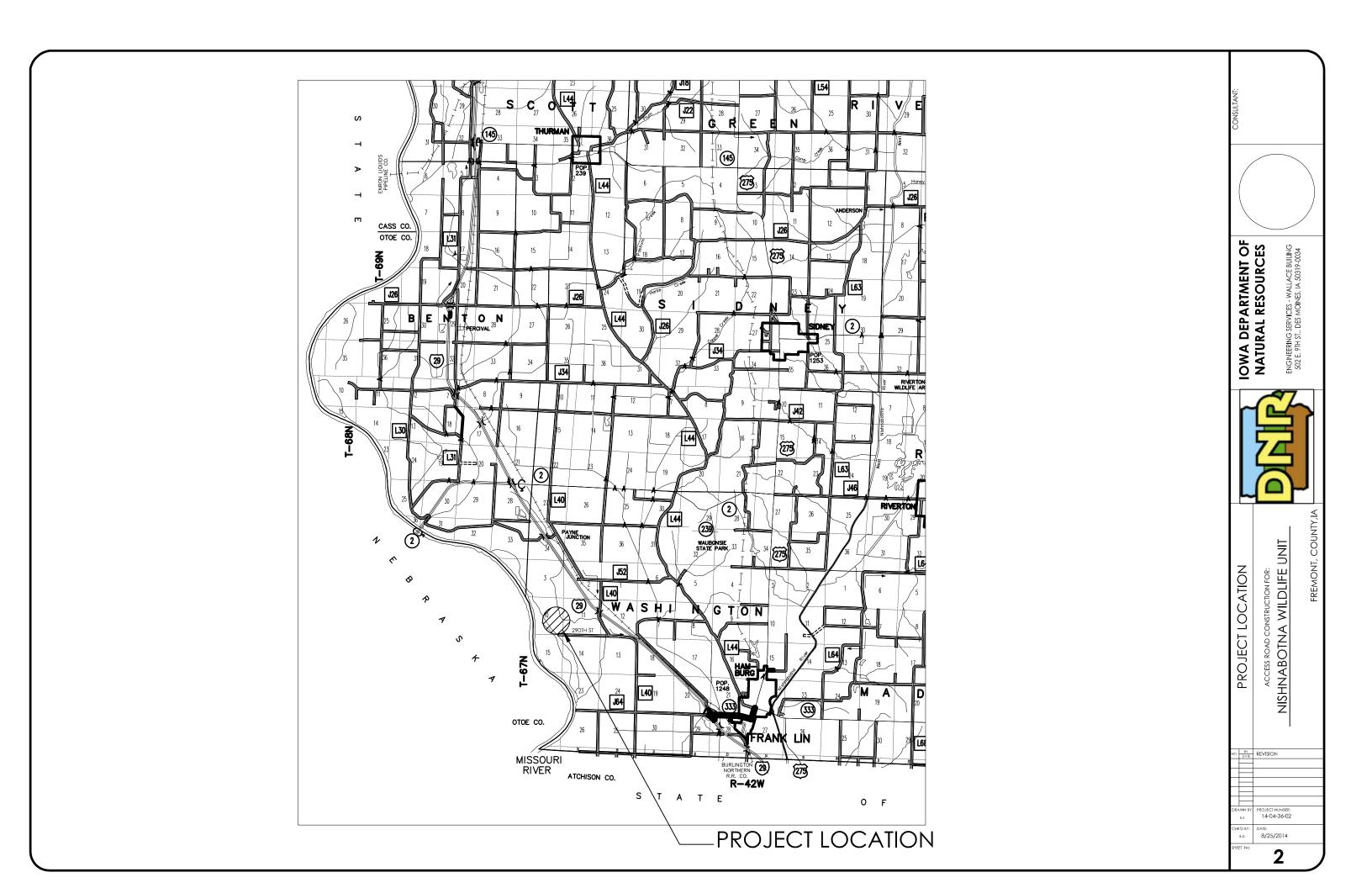
DIRECTORY					
PROJECT MANAGER		CONSTRUCTION INSPECTOR			
COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES	COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES		
ADDRESS	502 EAST 9TH STREET	ADDRESS	502 E 9TH ST		
CITY,STATE,ZIP	DES MOINES, IA 50319	CITY,STATE,ZIP	DES MOINES, IA 50319		
CONTACT	BUTCH DOORENBOS	CONTACT	MARK JOHNSON		
TELEPHONE	515-281-8123	TELEPHONE	515-250-3713		
FAX		FAX			
EMAIL	Butch.Doorenbos@dnr.iowa.gov	EMAIL	Mark.Johnson@dnr.iowa.gov		

PROJECT DESCRIPTION

THIS PROJECT INVOLVES CONSTRUCTION OF A 1.9 MILE ROCK SURFACES ACCESS ROAD WITH THREE PARKING AREAS AND OTHER INCIDENTAL WORK AS REQUIRED BY D.N.R CONSTRUCTION INSPECTOR IN FREMONT COUNTY, IOWA.

AUTHORIZATION TO BID AUTHORIZATION - PARKS | WILDLIFE | FISHERIES | LAW ENFORCEMENT | FORESTRY ENGINEERING BUREAU CHIEF DATE

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		B.D SHEET NO:	8/25/2014	
			8/25/2014	
			8/25/2014	



EM	DESCRIPTION	UNIT	TOTAL
1 MOBIL	ZATION	L.S	1
2 BLADIN	ig and shaping	L.S	1
3 SURFA	CING CLASS " A " CRUSHED STONE	TONS	3125
4 ENGIN	EERING FABRIC	S.Y	14,963
5 MISCE	LANEOUS EARTHFILL	L.S	1
6 CHAN	NEL EXCAVATION	C.Y	60
7 24" DIA	A. CMP CULVERT	L.F	48
8 CLASS	E REVETMENT	TONS	48
9 MACA	DAM STONE	TONS	303

GENERAL NOTES:

ITEM DESCRIPTION

The contractor shall notify the following two weeks prior to construction:

- 1. District Inspector: Mark Johnson (515)- 250- 3713
- 2. Project Manager: **Butch Doorenbos** (515) 281-8123

C.

The contractor shall verify actual locations and elevations with the DNR Inspector.

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 the start of work. Failure to visit the project site shall not relieve the contractor from performing the work in accordance to the plans, specifications, special provisions and

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

The contractor is responsible for providing waste area or disposal 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 Inspector.

The contractor shall not disturb desirable grass areas and desirable trees outside 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 inspector.

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.

The contractor shall be responsible for any damage to existing facilities resulting from their negligence, or that of a subcontractor, and said repairs shall be approved by the owner.

Macadam stone shall meet the requirements of I.D.O.T standard specification for highway and bridge constructionsection 4122.



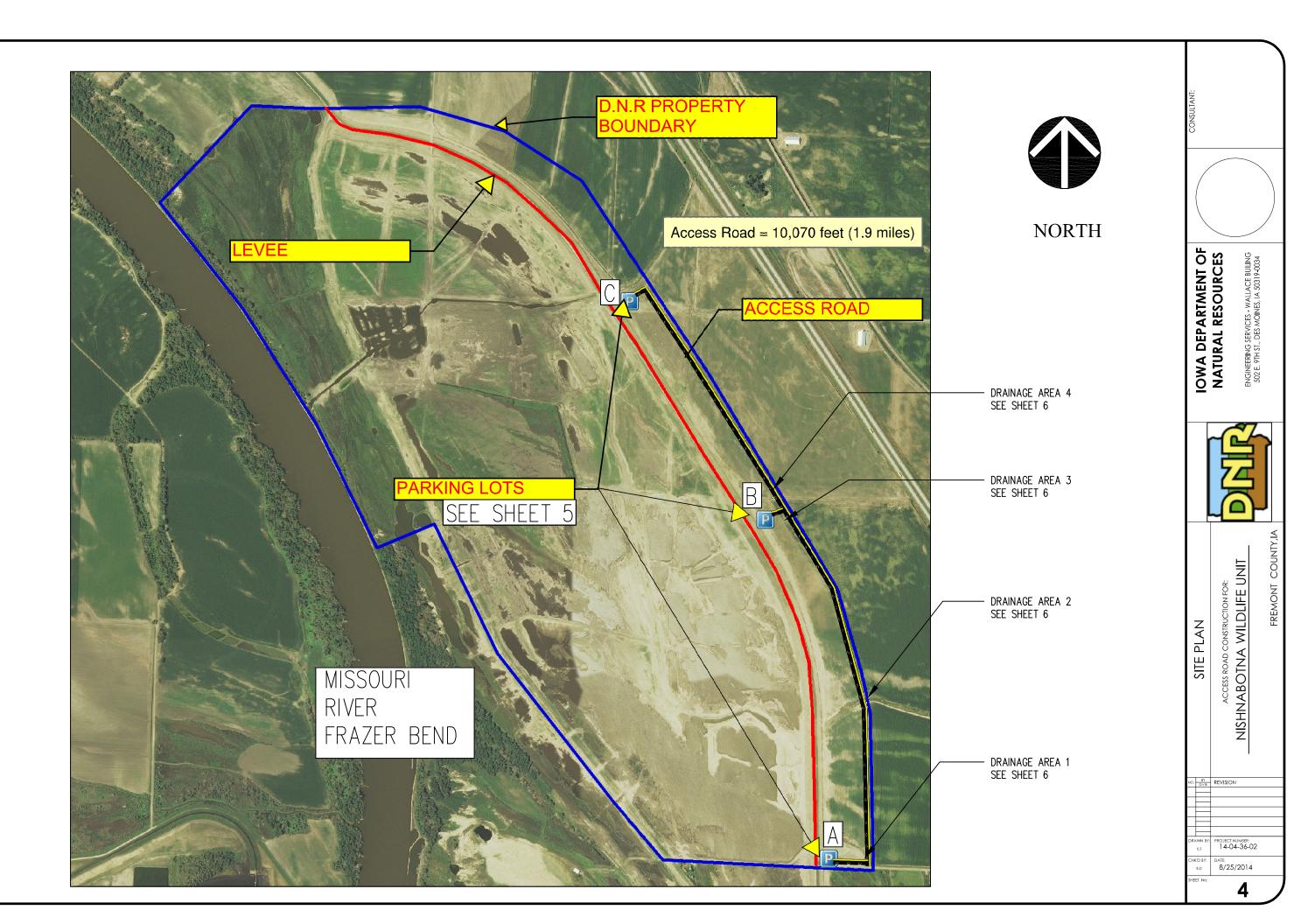
IOWA DEPARTMENT OF NATURAL RESOURCES

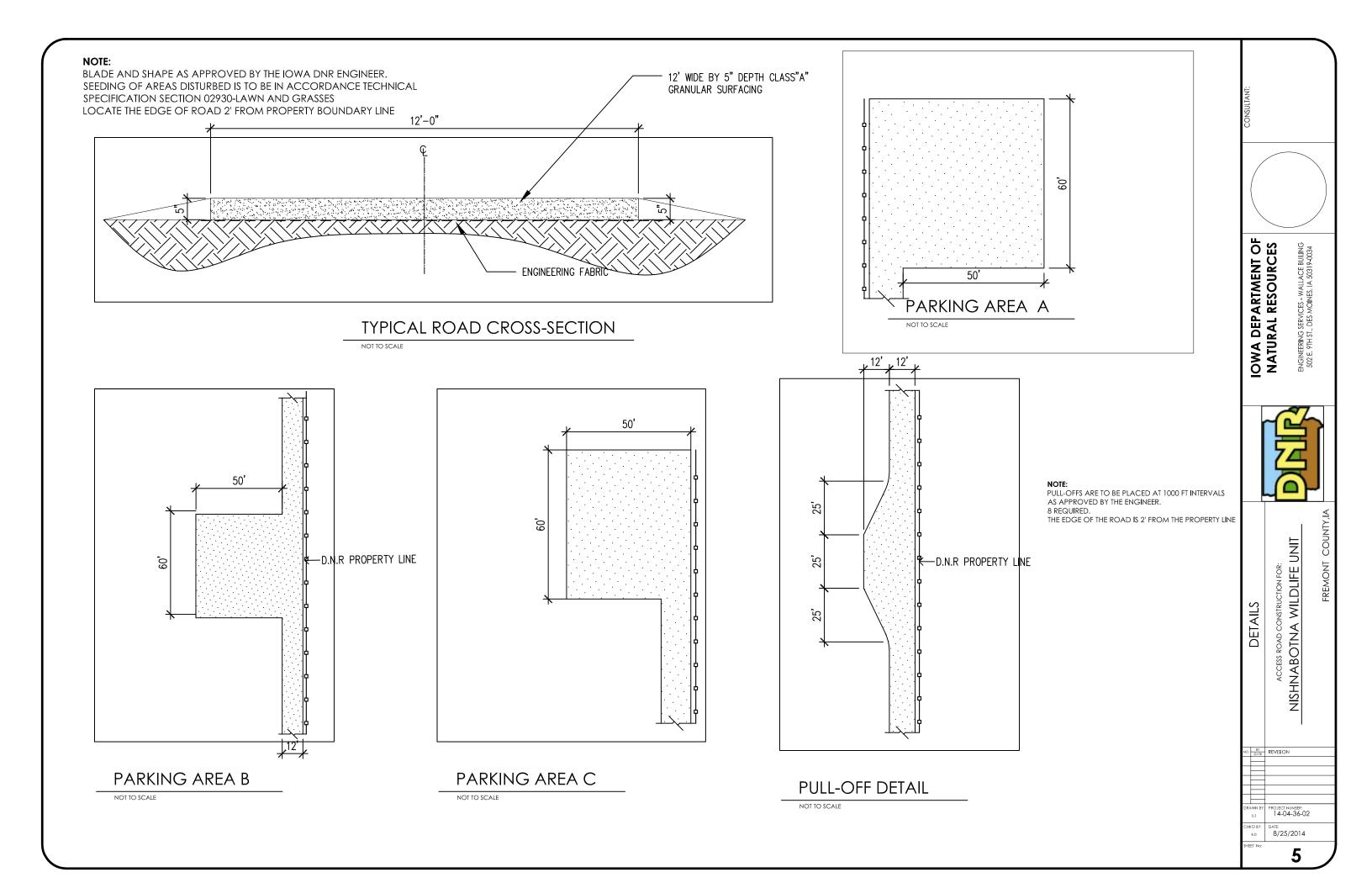


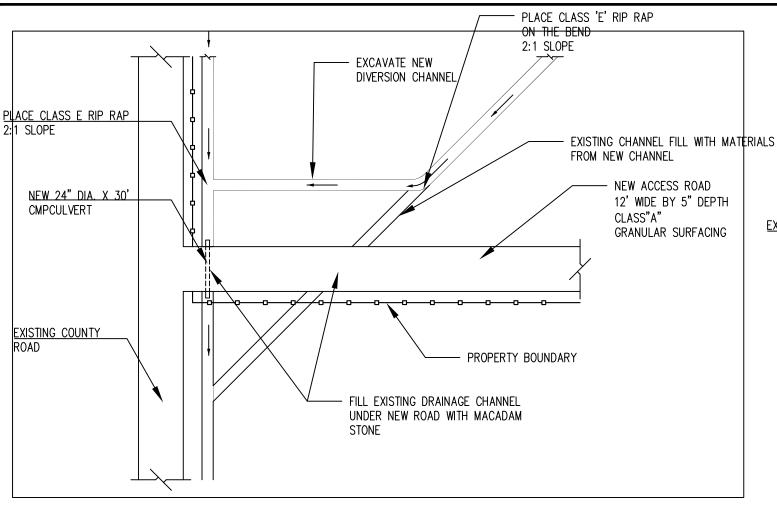
NISHNABOTNA WILDLIFE UNIT

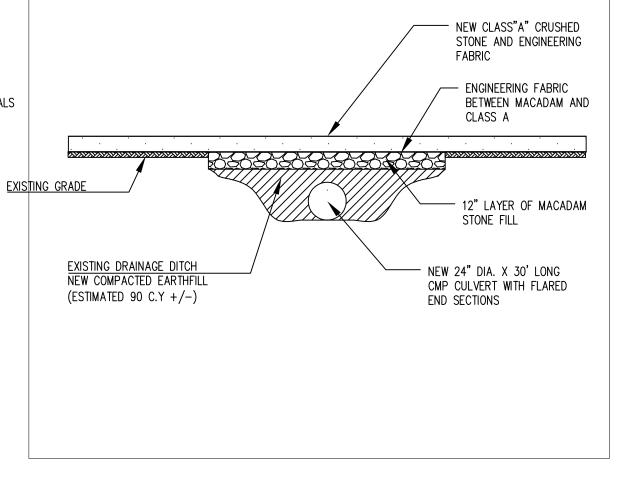
STIMATED AND GENERAL NOTES

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DRAINAGE AREA 1

NOT TO SCALE

DRAINAGE AREA 1 NOTE:

- 1.EXCAVATE NEW DIVERSION CHANNEL FROM EXISTING NATURAL DITCH TO EXISTING ROAD DITCH
- 2.WASTE EXCAVATED MATERIALS IN VICINITY AS DIRECTED BY THE DNR INSPECTOR
- 3.INSTALL NEW 24" DIA. X 30' LONG CMP CULVERT PIPE AT EXISTING DITCH CHANNEL
- 4. FILL OLD CHANNEL UNDER NEW ROAD WITH MACADAM STONE

DRAINAGE AREA 3 AND 4

DRAINAGE AREA 3 AND 4 NOTE:

- 1. AREA 3 AND 4 ARE LOW SPOTS IN THE EXISTING TERRAIN FILL AND COMPACT AREA BELOW NEW ROAD. FILL WITH 12" OF MACADAM STONE BELOW NEW CLASS A AND ENGINEERING FABRIC
- 2. FILL VOLUME BELOW MACADAM WITH BURROW FROM SURROUNDING AREA AS DIRECTED BY THE DNR DISTRICT INSPECTOR.

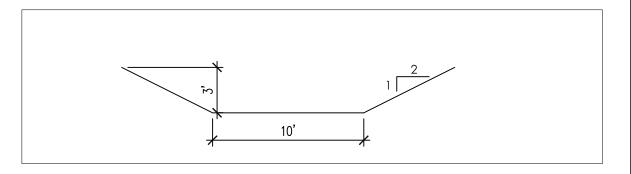
DRAINAGE AREA 2

NOT TO SCALE

DRAINAGE AREA 2 NOTE:

1.INSTALL NEW CULVERT AT EXISTING FLOW LINE ELEVATION

2.FILL AND COMPACT THE AREA BELOW NEW ROAD. BORROW FROM SURROUNDING AREA AS DIRECTED BY THE IOWA D.N.R DISTRICT INSPECTOR.



DRAINAGE CHANNEL CROSS-SECTION-AREA

NOT TO SCALE

IOWA DEPARTMENT OF NATURAL RESOURCES ENGINEERING SERVICES - WALLACE BUILING 502 E. 9TH ST., DES MOINES, IA 50319-0034 ACCESS ROAD CONSTRUCTION FOR: NISHNABOTNA WILDLIFE UNIT DETAILS NO. BY REVISION 14-04-36-02

8/25/2014