

pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\5516901021\DistrictDesign\5516901021_A.dgn

REVISION	TOTAL
ILE VISION	
	PROJECT IDENTIFICATION NUMBER
	21-55-169-010 PROJECT NUMBER
	NHSN-169-8(65)2R-55
	R.O.W. PROJECT NUMBER
	INDEX OF SHEETS 105-3 10-18-05
A.1	Title Sheet and Location Map
C.1-C.3	Estimate of Quantities, General Notes and Tabulations
D.1-D.3	As-Built Plan and Profile Sheet \setminus Plan Sheets
J.1	Traffic Control Sheet
U.1	Special Detail Sheet
IO PI	ROJECT LENGTH SUMMARY
D D	ELIMINARY PLANS
	Subject to change by final design.
	PLAN _ August 13, 2021
UΖ	PLAN – ^{August 13, 2021}
	SHEET NUMBER A.1

ESTIMATED PROJECT QUANTITIES AND REFERENCE NOTES

Item no.	Item Code	Item	Unit	Quantities Estimated Roadway Items	Estimate Refer
1	2121-7425020	GRANULAR SHOULDERS, TYPE B	TON	0	Refer to special detail sheets U.1 and U.2 for additional information. Match existing granular shoulder width. XX' was used for quantity. Discretionary amount for granular shoulder
2	2402-2723100	EXCAVATION, CLASS 23, FOR ROADWAY PIPE CULVERT	СҮ		
3	2416-0100018	APRONS, CONCRETE, 18 IN. DIA.	EACH		
4	2416-1263018	CULVERT, CONCRETE PIPE, 3000D, TRENCHLESS, 18 IN. DIA.	LF		
5	2507-3250005	ENGINEERING FABRIC	SY	0	Refer to Tabulation 100-23.
6	2526-8285000	CONSTRUCTION SURVEY	LS	0	
7	2528-8445110	TRAFFIC CONTROL	LS		Refer to Traffic Control Plan on Sheet Refer to Traffic Control Plan on sheet C.2
8	2533-4980005	MOBILIZATION	LS		
9	2602-0000320	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 20 IN. DIA.	LF	0	Refer to Tab. 100-19.
10	2602-0000351	REMOVAL OF PERIMETER AND SLOPE OR DITCH CHECK SEDIMENT CONTROL DEVICE	LF		

Add bid item to repair longitudinal subdrain and subdrain outlet. Add flagger bid item.

erence Notes

der repair.

100-1D			
10-18-05			
PROJECT DESCRIPTION			STANDARD F
One 18" x 84 LF RCP and two aprons will be installed at each location by using trenchless construction. Location 1 is 0.1 miles south of	Number	Data	The following Standard Road Plans apply
240th Street and Location 2 is 0.1 miles south of 290th Street. At each location, there are existing tile crossings with intakes which will need to be relocated, one each side of the roadway.	Number DR-101	Date 04-18-17	Pipe Culvert (Bedding and Backfill)
	DR-102	04-21-15	Pipe Culvert (Cover and Camber)
	DR-103		Pipe Culvert (Installation Details)
108-11A	DR-104 DR-121		Depth of Cover Tables for Concrete and Corrugate Connected Pipe Joints
08-01-08	DR-201		Concrete Aprons
UTILITIES	EC-204		Perimeter, Slope and Ditch Check Sediment Contro
	EC-301 PM-110		Rock Erosion Control (REC) Line Types
Ron Covert	TC-1	10-15-19	Work Not Affecting Traffic (Two-Lane or Multi-La
Public Works Director ALGONA (Sanitary and Storm Sewer)	TC-202		Work Within 15 ft of Traveled Way
112 W Call Street	TC-252	04-21-20	Routes Closed to Traffic
Algona, IA 50511			
(515) 295-2411 Cell: (515) 320-1395			
rcovert@ci.algona.ia.us	l		
Mary Montgomery			
Real Estate and Right of Way Representative II Alliant Energy (Fiber and Gas Transmission)			
PO Box 351			
Cedar Rapids, IA 52406-9874			
(319) 786-4768 MaryMontgomery@alliantenergy.com			
Paryhortgomerywarriantenergy.com			232-3A 10-19-21
Mary Montgomery			EROSION CONTROL
Real Estate and Right of Way Representative II Alliant Energy (Electric and Gas Distribution)			
PO Box 351			(RURAL SEEDING)
Cedar Rapids, IA 52406-9874			estimated to be less than 1 acre. If the
(319) 786-4768 MaryMontgomery@alliantenergy.com			the area exceeds 2 acres, notify the
			antity in excess of 2 acres will be paid cording to Article 1109.03,B of the
Aaron McCartan		Specificatio	
General Manager Titonka-Burt Communications (Fiber Transmission and Distribution, Cable TV, Communication tower, and Telephone)	Fallouing	the complet	ion of work in a disturbed area and
247 Main St. N			ion of work in a disturbed area and ling dates in Section 2601 of the Standard
Titonka, IA 50480	Specificat	tions, place	seed, fertilizer, and mulch on the
(515) 928-2110 Cell: (712) 346-8700 Aaron@TBCtel.com	disturbed follows:	area lying	8 feet adjacent to shoulder and median as
	TOILOWS:		
Luke Niles			tilize according to the requirements of
Analyst II-Permitting Windstream Communications (Fiber Transmission, Cable TV)		e 2601.03,C, ications.	3 and Section 4169 of the Standard
4001 N. Rodney Parham Rd	Specifi	icacions.	
Little Rock, AR 72212 (501) 748-5893 Cell: (682) 554-6784			ing to the requirements of Articles
(501) 746-5895 Cell: (682) 554-6784 luke.t.niles@windstream.com	2601.0	3,E,2,a and	4169.07, A of the Standard Specifications.
	Preparing	the seedbed	, furnishing and applying seed,
Anthony Rich Manager OSP Engineering			are all incidental to mobilization and
Windstream Communications (Telephone and Fiber Distribution)	Will not I	pe paid for	separately.
641 West Street South			262-6
Grinnell, IA 50112 (402) 706-9950 Cell: (402) 706-9950			10-18-05
anthony.rich@windstream.com			UTILITIES
		(NOT	A POINT 25 PROJECT)
	This is M		5 project and is not subject to the
		s of IAC 761	

FILE NO. ENGLISH DESIGN TEAM Kelly/Nie KOSSUTH COUNTY PROJECT N						
	ETLE NO	ENGLITSH	DESTGN TEAM KOlly Nio		JECT NUMBER	NHSN-169-8(65)
	TILL NO.	LINGLISH		KOSSOTT CONTENTS	JECT NONDER	

105-4 10-18-11

OAD PLANS

to construction work on this project. Title

ed Pipe

l Devices

ne)

232-11 10-19-21

EROSION CONTROL

(STABILIZING CROP SEEDING) Area to be seeded is estimated to be less than 1 acre. If the contractor determines the area exceeds 2 acres, notify the Engineer. Approved quantity in excess of 2 acres will be paid for as extra work according to Article 1109.03,B of the Standard Specifications.

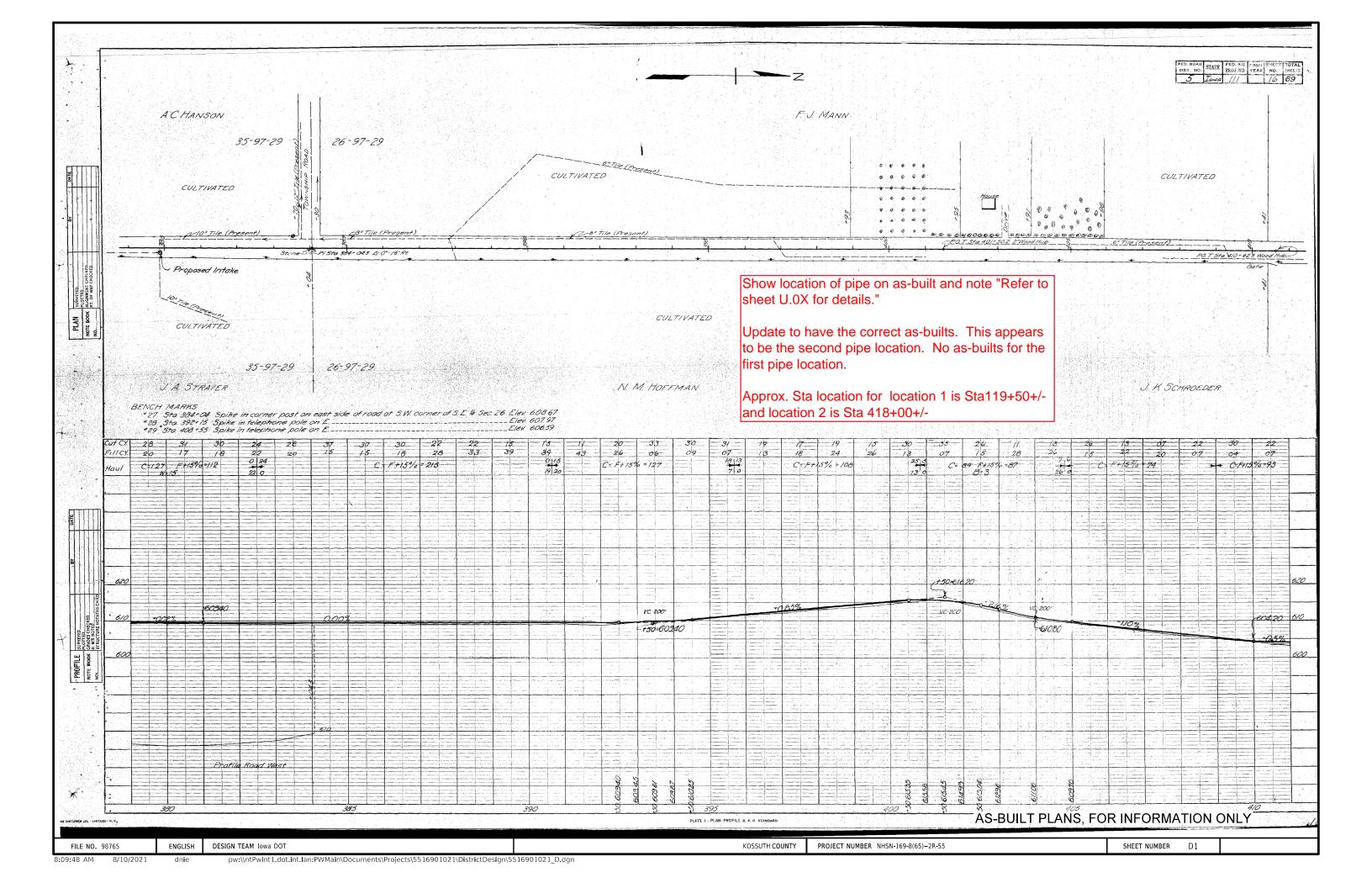
If outside of permanent seeding dates in Section 2601 of the Standard Specifications, or if required by a storm water permit, place stabilizing crop, fertilizer, and mulch on the disturbed area as follows:

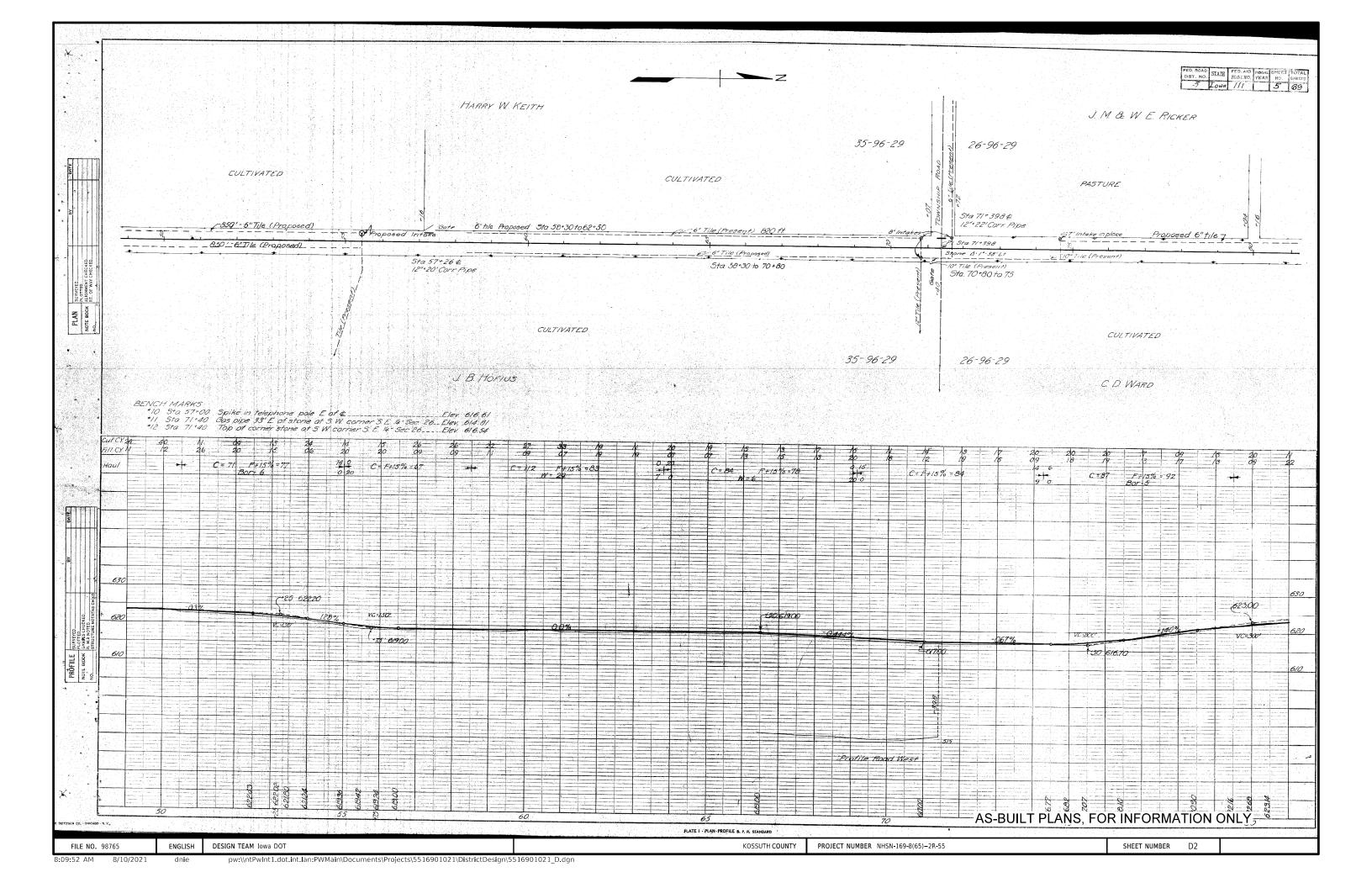
Place seed and fertilize according to the requirements of Article 2601.03,C,1 and Section 4169 of the Standard Specifications.

Place mulch according to the requirements of Articles 2601.03,E,2,a and 4169.07,A of the Standard Specifications.

Preparing the seedbed, furnishing and applying seed, fertilizer, and mulch are incidental to mobilization and will will not be paid for separately.

																						EV	VTCI		D۸		IENT																102- 04-18-1
				Loca	ation														Surfa	ace			Base	TINO		Subbas			Remova	al				Coars	e Aggre	gate			Reinfo	orcement			
No.				Dir.		gin Re	f. E	nd Ref		Year	Туре	e		Proje	ct Nur	mber				Depth	1		П	epth			Depth	_		Depth					c 7.88. c	-	Du	rability			Re	emarks	
	Count	zy Ro	oute	Trave		oc. Sig		oc. Si	gn			_						Тур	e	IN	_	Туре		IN	Туре	-	IN	Ту	pe	IN	-		Sour	ce		Туре		Class	Ту	уре			
		55	169	NB/	SB	188.0	3	188.7	7	1972			F-169	-8(3)	20-5	55		PCC			9																						
		55	169	NB/	SB	188.0	3	188.7	7	2012	_	W	NHSX-	169-8	(27)	-3H-55	;	HMA			2 ł	HMA		2	HMA		2				_										 		
		55	169	NB/	SB	188.0	3	188.7	7	2012			NHSX-	169-8	(27)	-3H-55	;	HMA			2																						
* Not	a bid meter (item or eaui	ivalen	t diame	ter				-		forced			-													DAD																104 10-17
		classif accordi				= Corrı	igated	Meta]	. Pipe	F	RCP = Re	einfo	prced	Concr	ete P	ipe	LC	P = Ar	rch or	r Ellip	otica	al Low	v Clean	ance P	ipe	SAR	RC = Ste	el Ar	ch Pipe	2													
Drainage Area	Locat	tion	Тур	e () Size	Kind Of Pipe	ngth Ne	Bedding Class	Design Cover (H)	Camber* (DR-102)	Ap N	oron (Apron Guard* (DR-213)	Elbow* (DR-141)	Diaphragm* (DR-501)	Tee Section* (DR-142)	"D" Section* (DR-141)	Reducer*	Type 'C' Connections*	(DR-122)	Connected Pipe Joint* //DE-121)	(UK-121) 4" Perforated	<pre>4 relion accu Subdrain*</pre>			Flow I Elevat					Lin	ensions 1. Ft.		De	Skew Ahead egrees	Rt.	Locatio	Dike	Тор		Class 20	Backfill Porous* Backfill	3	Remarks
CRE				IN		LF	_		FT	IN	OUT	No.	No.	No.	No.	No.	No.	Туре	No.	Туре		FT	Lt.	R	t.	Othe	er 0	ther		otal Rt.		nsion Rt		. Rt.	Lt.	Station		Elevatio	ו ^{Type}	СҮ	A) (B) CY CY		
	Roa	ad Iden	ntifica	ation	Lo	Deation	Beg Stat	-		End Statio	n	Side t./Rt		L FT	Refe		EC-30		Deta	DNTF il 570 Rock Type 2 Rock Ditch	<u>-8</u> Ero: 2		3 c R(l (REC) Type 4 Dock Spl Basin	1 ash R	Type lock Si rotec	lope	Ma Eng. Fabri SY	.c Re	Bid Qua Class E evetmen TON	t St	s sion one ON		Remar	ks								
gin	Station	Locati n End					Per Leng Dia	imeter th of 12 ir	and Instal	Slope Llatio		ible	Stan Lengt	lards Ditch h of h Dia	EC-2 Chec Insta	204 :k llatio	on	IT C	CON	TROI	L D		ICE: Remar				10 10-	0-19 19-21															
			1 500	LISH				-11	-) 814																						T NUMBE						20			SHEET N	С.3		



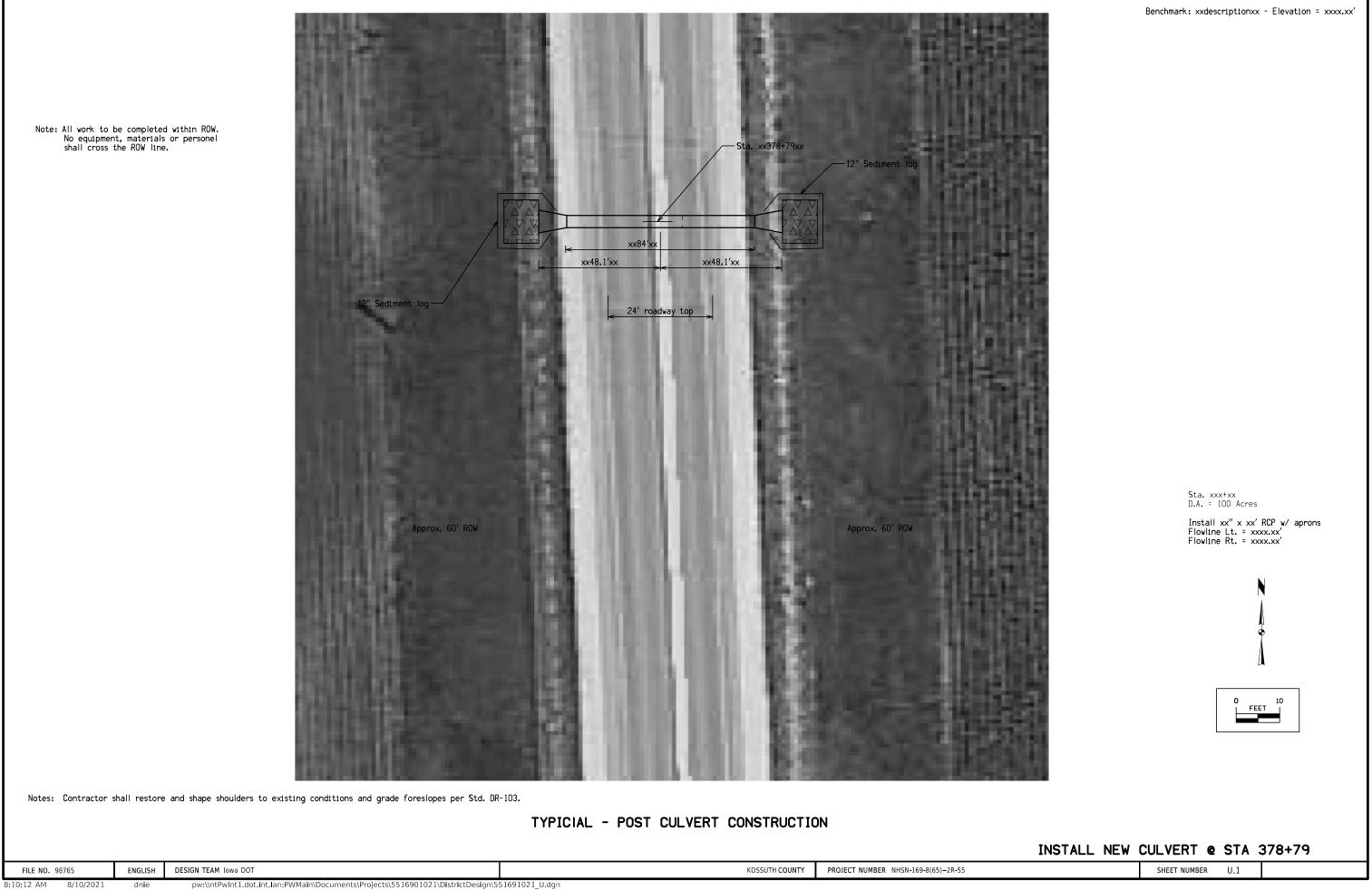


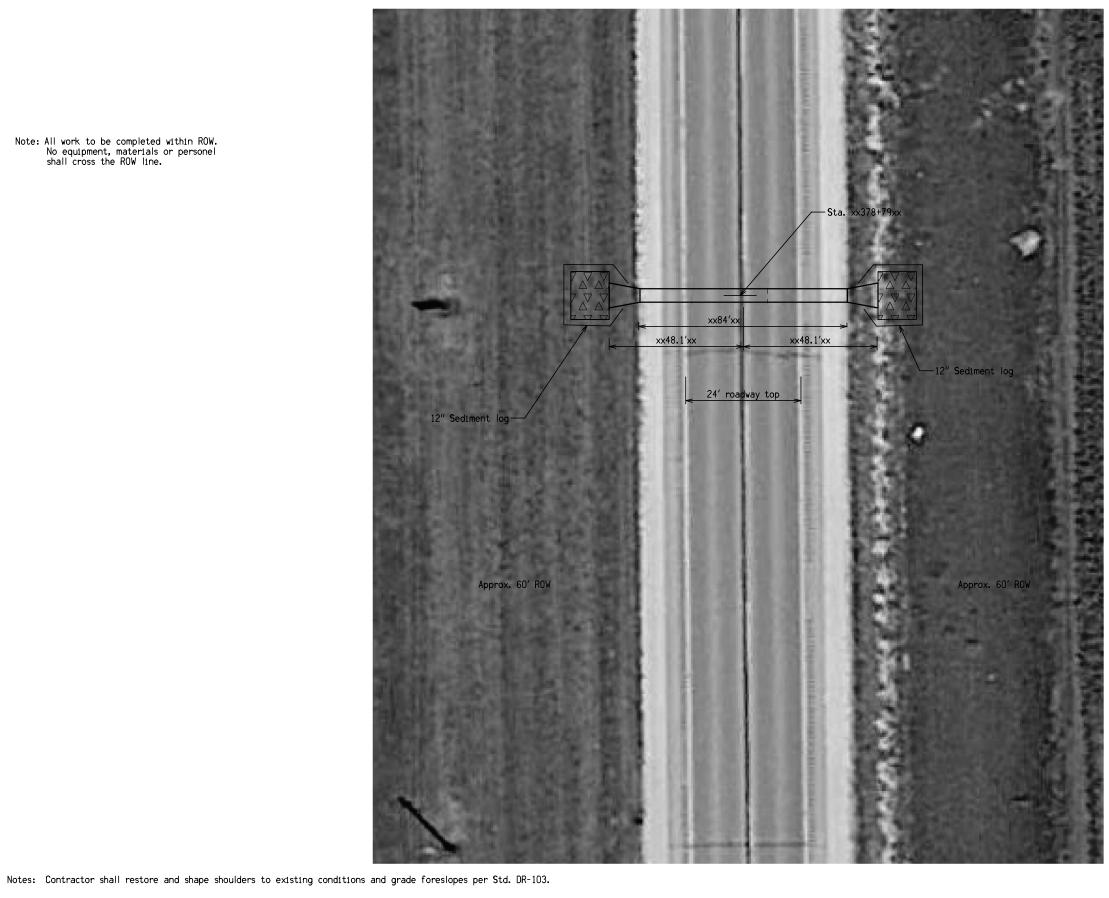
					511 TRAVEL RE	STRICTIONS		
Route	Direction	County		Location Description	Feature Crossed	Object Type	Maint. Bridge No., Structure ID, or FHWA No.	Type of Restricti
			None					
			111-01 04-17-12		TRAFFIC CONTROL		108- 08-0	-23A 11-08
Other work include the	in progress constructio	n of the projects	eriod of time will listed. Coordinate	Northbound and Southbound US 169 1	lanes will be open to traffic during construct			
same area.		f other contracto	rs working within the	TC-213 may be used for	or intermittent lane closures as ne	eded.		
	Project 8(114)2R-55	Pipe Jac	Type of Work					
	(11.) 1.: 35		Culvert					
FILE NO.	E	ENGLISH DESIGN	TEAM Kelly\Nie			Kossuth COUNTY PROJECT	NUMBER NHSN-16	9-8(65

108-25 10-21-14

f ion	Existing Measurement	Construction Measurement	Construction Measurement as Signed	Projected As Built Measurement	Remarks

)2R-55	SHEET NUMBER	J.1





TYPICIAL - POST CULVERT CONSTRUCTION

FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT	KOSSUTH COUNTY	PROJECT NUMBER NHSN-169-8(65)-2R-55
8:10:20 AM 8/10/20	21 dnie	pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\5516901021\DistrictDesign\5	51691021_U.dgn	

Benchmark: xxdescriptionxx - Elevation = xxxx.xx'

Sta. xxx+xx D.A. = 100 Acres

Install xx" x xx' RCP w/ aprons Flowline Lt. = xxxx.xx' Flowline Rt. = xxxx.xx'



INSTALL	NEW	CU	LVERT	Q	ST	A :	XX	378+	·79XX
			SHEET N	UMBE	R	U.2			