



REVISIONS

TOTAL

PROJECT IDENTIFICATION NUMBER	18-28-013-010
PROJECT NUMBER	NHSX-013-2(42)--3H-28
R.O.W. PROJECT NUMBER	NHSN-013-2(42)--2R-28

LETTING DATE
Oct 17 2023

UNKNOWN PAVEMENT - GRADE AND REPLACE
NHSX-013-2(42)--3H-28

DELAWARE COUNTY

STA. 1513+75.00
END CONSTRUCTION
Ref. Loc. 53.7

PLANS OF PROPOSED IMPROVEMENT ON THE

PRIMARY ROAD SYSTEM DELAWARE COUNTY

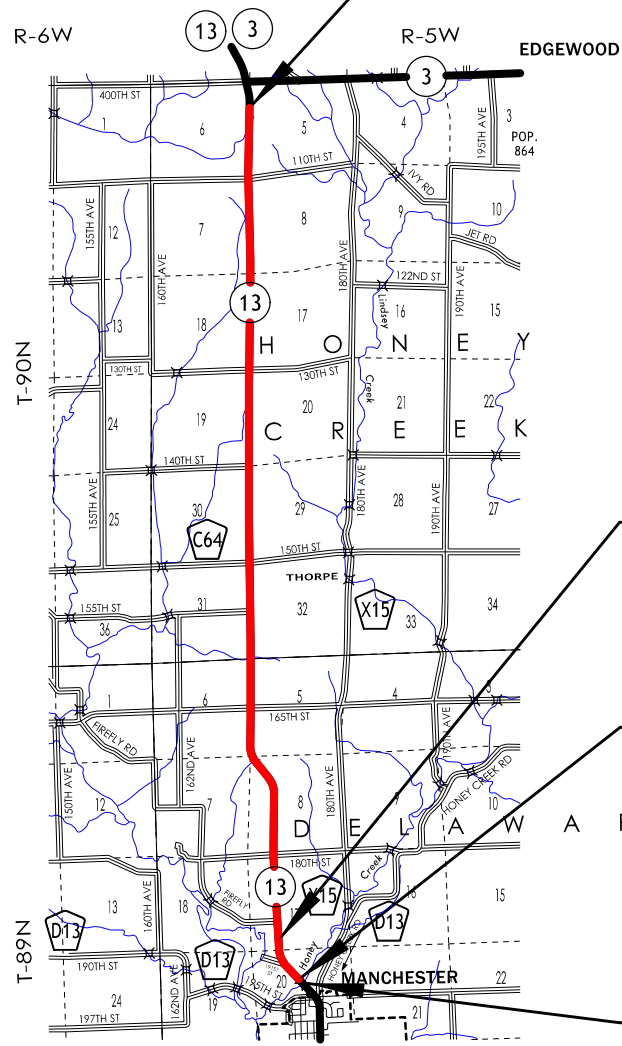
UNKNOWN PAVEMENT - GRADE AND REPLACE

Honey Creek 0.2 mi N of Co Rd D13 to S Jct IA 3

SCALES: As Noted

Refer to the Proposal Form for list of applicable specifications.

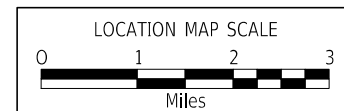
Value Engineering Saves. Refer to Article 1105.14 of the Specifications.



STA. 1051+00.00
END RESURFACING
BEGIN PAVING

STA. 1025+61.75
BEGIN CONSTRUCTION
BEGIN RESURFACING
Ref. Loc. 44.0

FHWA # 23721



INDEX OF SHEETS	
No.	DESCRIPTION
A Sheets	Title Sheets
A.1	Title Sheet
B Sheets	Typical Cross Sections and Details
B.1 - 5	Typical Cross Sections and Details
D Sheets	Mainline Plan and Profile Sheets
* D.1	Plan & Profile Legend & Symbol Information Sheet
* D.2 - 18	IA 13
E Sheets	Side Road Plan and Profile Sheets
* E.1	Firefly Road
* E.2	185th Street
* E.3	180th Street
* E.4 - 5	165th Street
* E.6	155th Street
* E.7 - 8	C-64
* E.9	140th Street
* E.10 - 11	130th Street
* E.12 - 13	110th Street
G Sheets	Survey Sheets
G.1	Reference Ties and Bench Marks
G.2 - 6	Control Point Map & Horizontal & Vertical Control
J Sheets	Traffic Control and Staging Sheets
* J.1	Detour
W Sheets	Mainline Cross Sections
W.1 - 330	Mainline Cross Sections
X Sheets	Side Road Cross Sections
X.1	Side Road Cross Sections

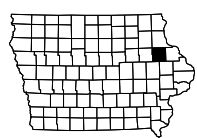
DESIGN DATA RURAL			
2023	AADT	3000	V.P.D.
2043	AADT	3500	V.P.D.
20	-- DHV	--	V.P.H.
	TRUCKS	8	%
	Total		
	Design ESALS	--	

INDEX OF SEALS		
SHEET NO.	NAME	TYPE
A.1	X	Primary Signature Block
X	X	X

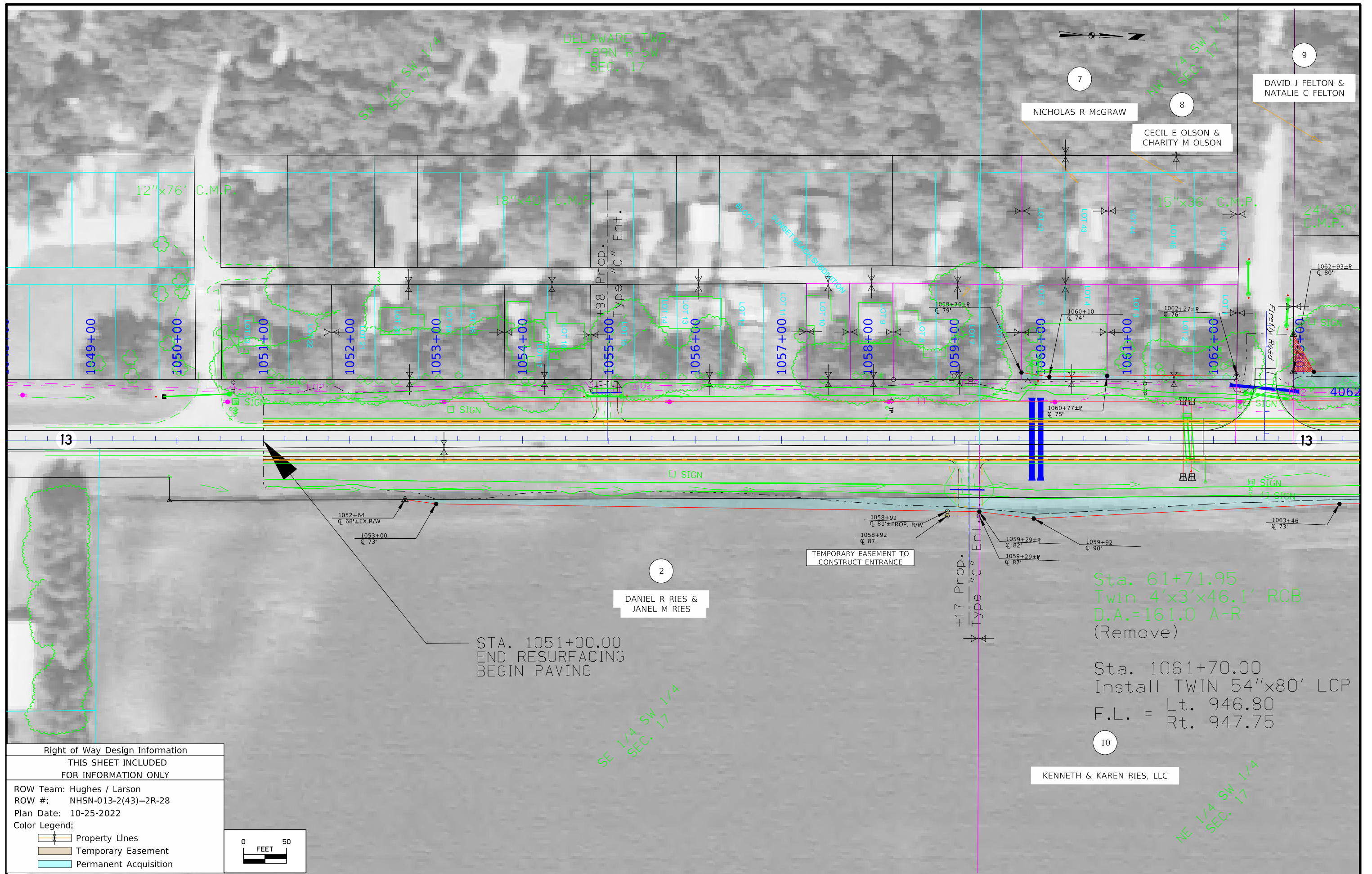
PRELIMINARY PLANS

Subject to change by final design.

D5 PLAN - Date: 12/3/2021



NO ACCESS RIGHTS ARE TO BE ACQUIRED ON THIS PROJECT.



DELAWARE TWP.
T-89N R-5W
SEC. 17

SW 1/4 SW 1/4
SEC. 17

NW 1/4 SW 1/4
SEC. 17

SE 1/4 SW 1/4
SEC. 17

NE 1/4 SW 1/4
SEC. 17

NICHOLAS R MCGRAW

CECIL E OLSON &
CHARITY M OLSON

DAVID J FELTON &
NATALIE C FELTON

DANIEL R RIES &
JANEL M RIES

KENNETH & KAREN RIES, LLC

12"x76' C.M.P.

18"x40' C.M.P.

15"x36' C.M.P.

24"x30'
C.M.P.

+98 Prop.
Type "C" Ent.

+17 Prop.
Type "C" Ent.

TEMPORARY EASEMENT TO
CONSTRUCT ENTRANCE

STA. 1051+00.00
END RESURFACING
BEGIN PAVING

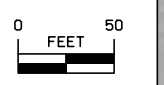
Sta. 61+71.95
Twin 4'x3'x46.1' RCB
D.A.=161.0 A-R
(Remove)

Sta. 1061+70.00
Install TWIN 54"x80' LCP
F.L. = Lt. 946.80
Rt. 947.75

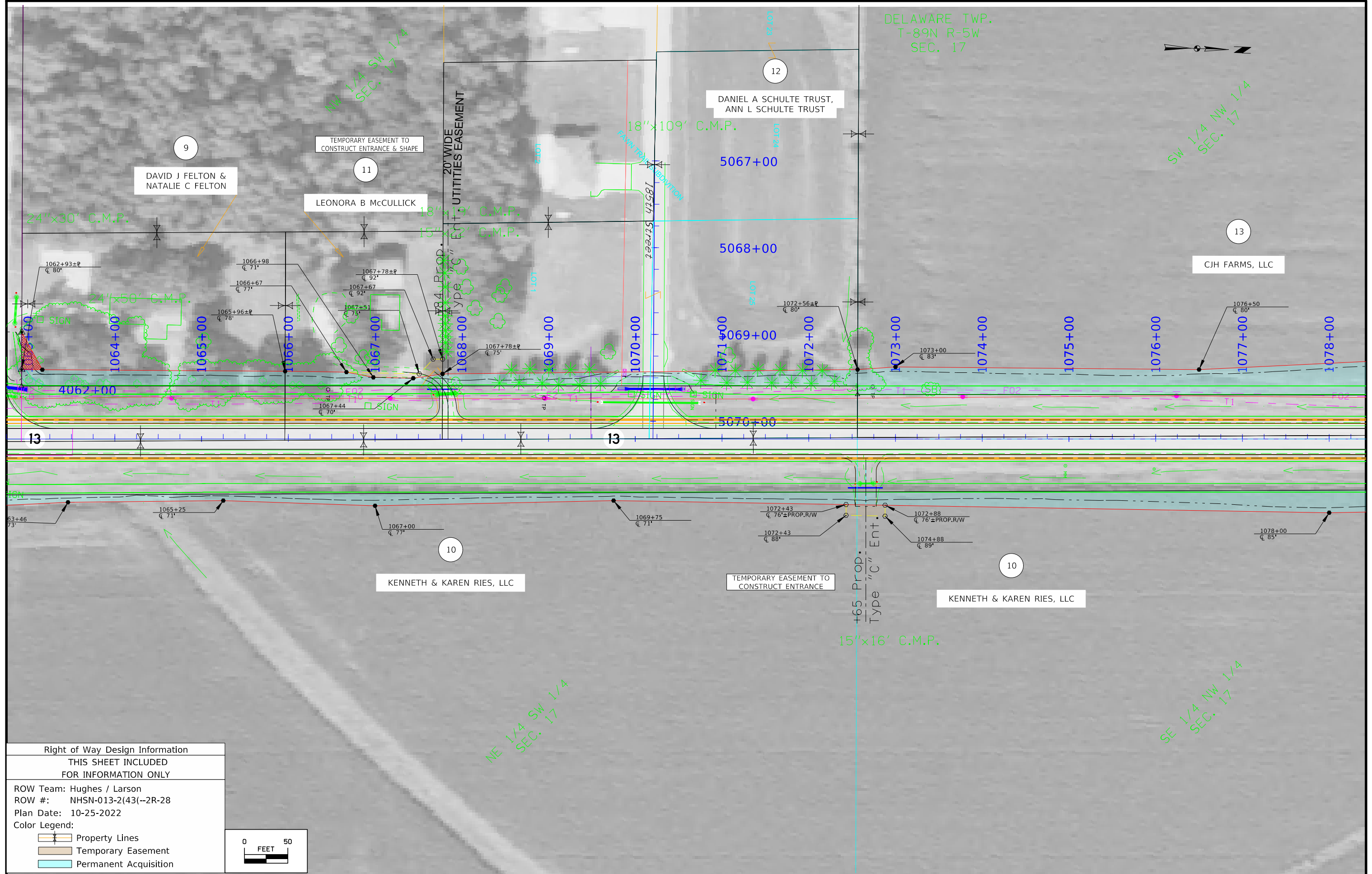
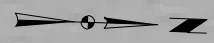
Right of Way Design Information
THIS SHEET INCLUDED
FOR INFORMATION ONLY

ROW Team: Hughes / Larson
ROW #: NHSN-013-2(43)--2R-28
Plan Date: 10-25-2022

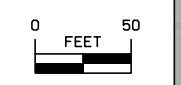
Color Legend:
Property Lines
Temporary Easement
Permanent Acquisition



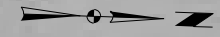
DELAWARE TWP.
T-89N R-5W
SEC. 17



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Color Legend:	
	Property Lines
	Temporary Easement
	Permanent Acquisition



DELAWARE TWP.
T-89N R-5W
SEC. 17



SW 1/4 NW 1/4
SEC. 17

NW 1/4 NW 1/4
SEC. 17

SE 1/4 NW 1/4
SEC. 17

NE 1/4 NW 1/4
SEC. 17

CJH FARMS, LLC

GREGORY A FUNKE & VALERIE K FUNKE

KENNETH & KAREN RIES, LLC

TEMPORARY EASEMENT TO
CONSTRUCT ENTRANCES & SHAPE

TEMPORARY EASEMENT TO
CONSTRUCT ENTRANCE

12"x28' C.M.P.

12"x20' C.M.P.

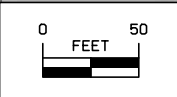
1078+00 1079+00 1080+00 1081+00 1082+00 1083+00 1084+00 1085+00 1086+00 1087+00 1088+00 1089+00 1090+00 1091+00 1092+00 1093+00

1085+50
1085+79
1085+79
1086+24
1086+24
1086+24
1088+25
1088+25
1090+25
1092+50

Right of Way Design Information
THIS SHEET INCLUDED
FOR INFORMATION ONLY

ROW Team: Hughes / Larson
ROW #: NHSN-013-2(43)--2R-28
Plan Date: 10-18-2022

Color Legend:
Property Lines
Temporary Easement
Permanent Acquisition



DELAWARE TWP.
T-89N R-5W
SEC. 17

DELAWARE TWP.
T-89N R-5W
SEC. 8

SW 1/4 SW 1/4
SEC. 8

NW 1/4 NW 1/4
SEC. 17

13
CJH FARMS, LLC

15
JOHN G HOFFMANN & LORIE N HOFFMANN

10
KENNETH & KAREN RIES, LLC

16
RONALD LEE KLEIN & PAMELA GERALYN KLEIN

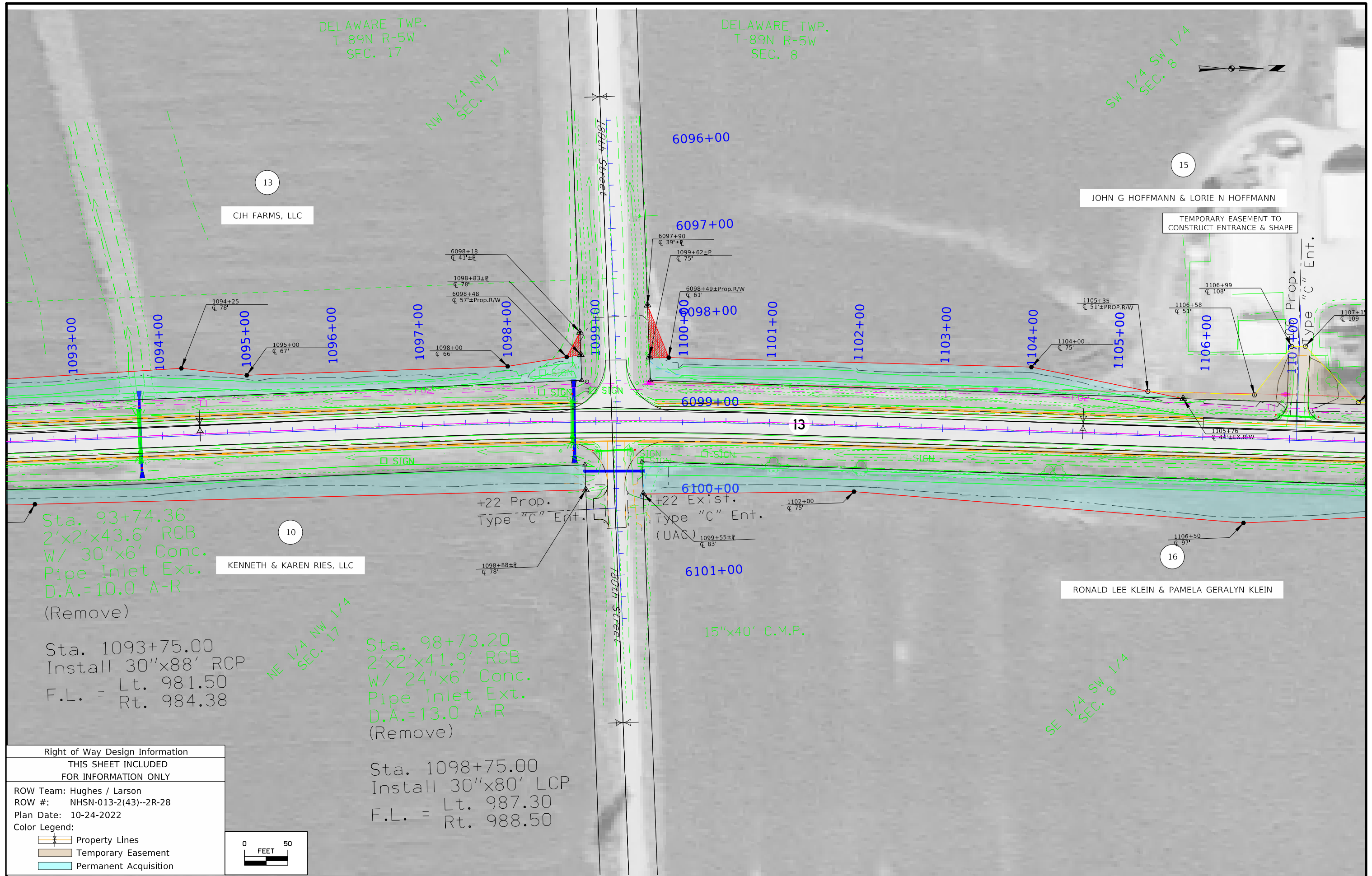
Sta. 93+74.36
2'x2'x43.6' RCB
W/ 30"x6' Conc.
Pipe Inlet Ext.
D.A.=10.0 A-R
(Remove)

Sta. 1093+75.00
Install 30"x88' RCP
F.L. = Lt. 981.50
Rt. 984.38

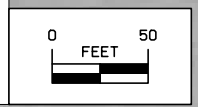
Sta. 98+73.20
2'x2'x41.9' RCB
W/ 24"x6' Conc.
Pipe Inlet Ext.
D.A.=13.0 A-R
(Remove)

Sta. 1098+75.00
Install 30"x80' LCP
F.L. = Lt. 987.30
Rt. 988.50

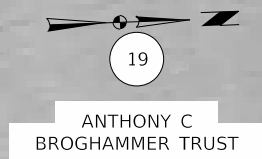
15"x40' C.M.P.



Right of Way Design Information	
THIS SHEET INCLUDED FOR INFORMATION ONLY	
ROW Team:	Hughes / Larson
ROW #:	NHSN-013-2(43)--2R-28
Plan Date:	10-24-2022
Color Legend:	
	Property Lines
	Temporary Easement
	Permanent Acquisition



DELAWARE TWP.
T-89N R-5W
SEC. 8



SW 1/4 SW 1/4
SEC. 8

NW 1/4 SW 1/4
SEC. 8

JOHN G HOFFMANN & LORIE N HOFFMANN

ROBERT G NAEVE &
KARY L NAEVE

DAVID A BROGHAMMER

RONALD LEE KLEIN & PAMELA GERALYN KLEIN

15"x40' C.M.P.
Type "C" Ent.
1107+00 Prop.
Type "C" Ent.

TEMPORARY EASEMENT TO
CONSTRUCT ENTRANCE & SHAPE

TEMPORARY EASEMENT TO
CONSTRUCT ENTRANCE

+90 Prop.
Type "C" Ent.

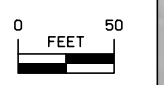
+48 Prop.
Type "C" Ent.

15"x30' C.M.P.

Sta. 119+12.63
2'x2'x48.8' RCB
D.A.=22.0 A-R
(Remove)

Sta. 1119+10.00
Install 30"x92' RCP
F.L. = Lt. 1003.32
Rt. 1000.28

Right of Way Design Information	
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ROW #: NHSN-013-2(43)--2R-28	
Plan Date: 10-18-2022	
Color Legend:	
	Property Lines
	Temporary Easement
	Permanent Acquisition



DELAWARE TWP.
T-89N R-5W
SEC. 8

NW 1/4 SW 1/4
SEC. 8

SW 1/4 NW 1/4
SEC. 8

(Remove)

Sta. 1135+90.00
Install 30"x104' RCP
Lt. 1019.20
F.L. = Rt. 1027.05

Sta. 136+00.50
2'x2'x49.5' RCB
W/ 30"x6' Conc.
Pipe Outlet Ext.
D.A.=10.0 A-R

ANTHONY C BROGHAMMER TRUST

RONALD LEE KLEIN & PAMELA GERALYN KLEIN

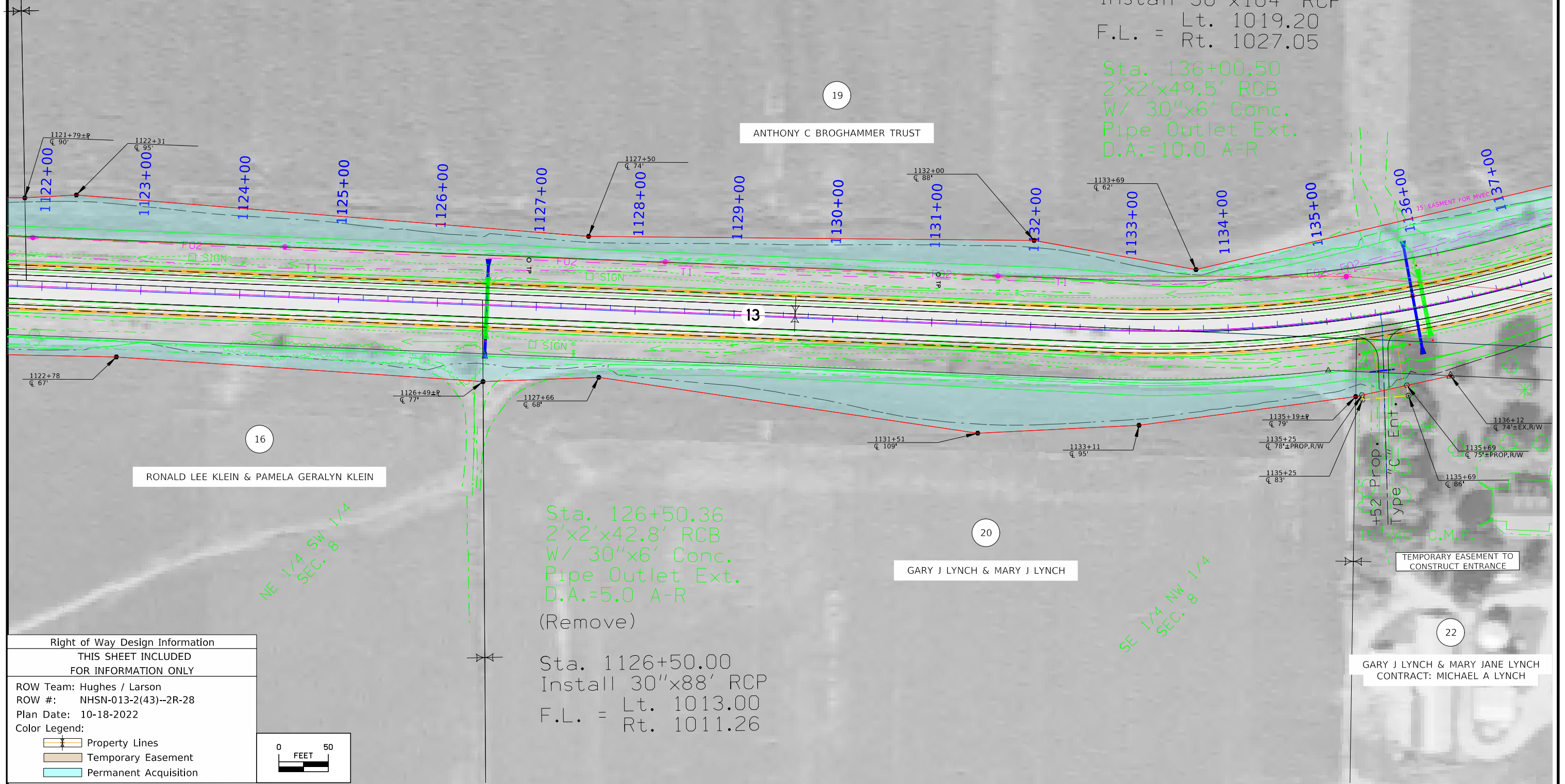
GARY J LYNCH & MARY J LYNCH

GARY J LYNCH & MARY JANE LYNCH
CONTRACT: MICHAEL A LYNCH

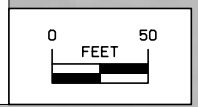
Sta. 126+50.36
2'x2'x42.8' RCB
W/ 30"x6' Conc.
Pipe Outlet Ext.
D.A.=5.0 A-R

(Remove)

Sta. 1126+50.00
Install 30"x88' RCP
Lt. 1013.00
F.L. = Rt. 1011.26

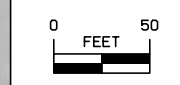


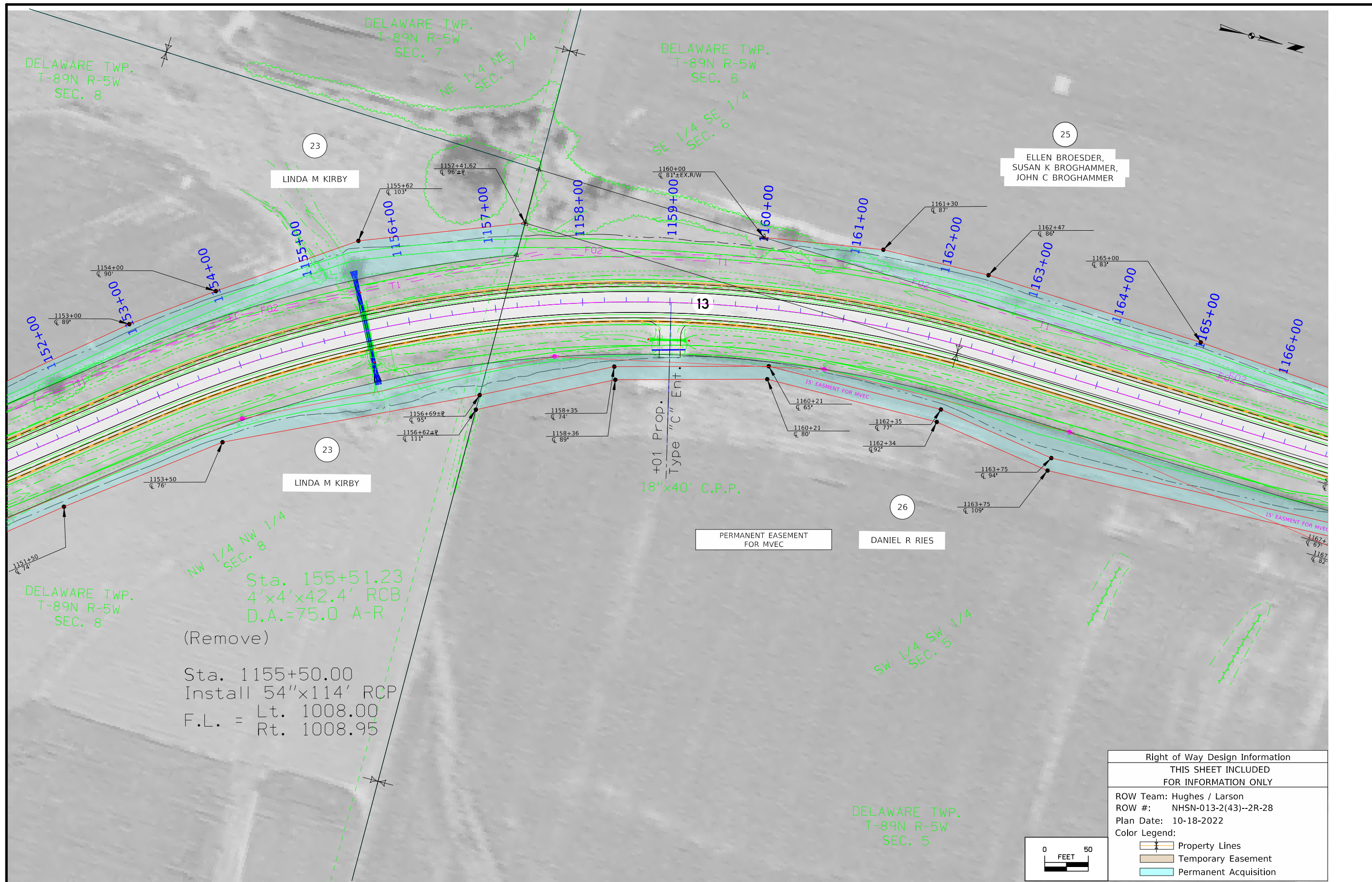
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ROW #:	NHSN-013-2(43)--2R-28
Plan Date:	10-18-2022
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	Property Lines
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	Permanent Acquisition





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Color Legend:	
	Property Lines
	Temporary Easement
	Permanent Acquisition





DELAWARE TWP.
T-89N R-5W
SEC. 8

DELAWARE TWP.
T-89N R-5W
SEC. 7

DELAWARE TWP.
T-89N R-5W
SEC. 6

DELAWARE TWP.
T-89N R-5W
SEC. 8

DELAWARE TWP.
T-89N R-5W
SEC. 5

LINDA M KIRBY

LINDA M KIRBY

ELLEN BROESDER,
SUSAN K BROGHAMMER,
JOHN C BROGHAMMER

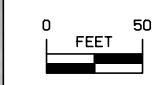
PERMANENT EASEMENT
FOR MVEC

DANIEL R RIES

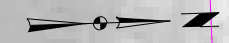
Sta. 155+51.23
4'x4'x42.4' RCB
D.A.=75.0 A-R
(Remove)
Sta. 1155+50.00
Install 54"x114' RCP
F.L. = Lt. 1008.00
Rt. 1008.95

+01 Prop.
Type "C" Ent.
18"x40' C.P.P.

Right of Way Design Information	
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ROW #: NHSN-013-2(43)--2R-28	
Plan Date: 10-18-2022	
Color Legend:	
	Property Lines
	Temporary Easement
	Permanent Acquisition



DELAWARE TWP.
T-89N R-5W
SEC. 6



SE 1/4 SE 1/4
SEC. 6

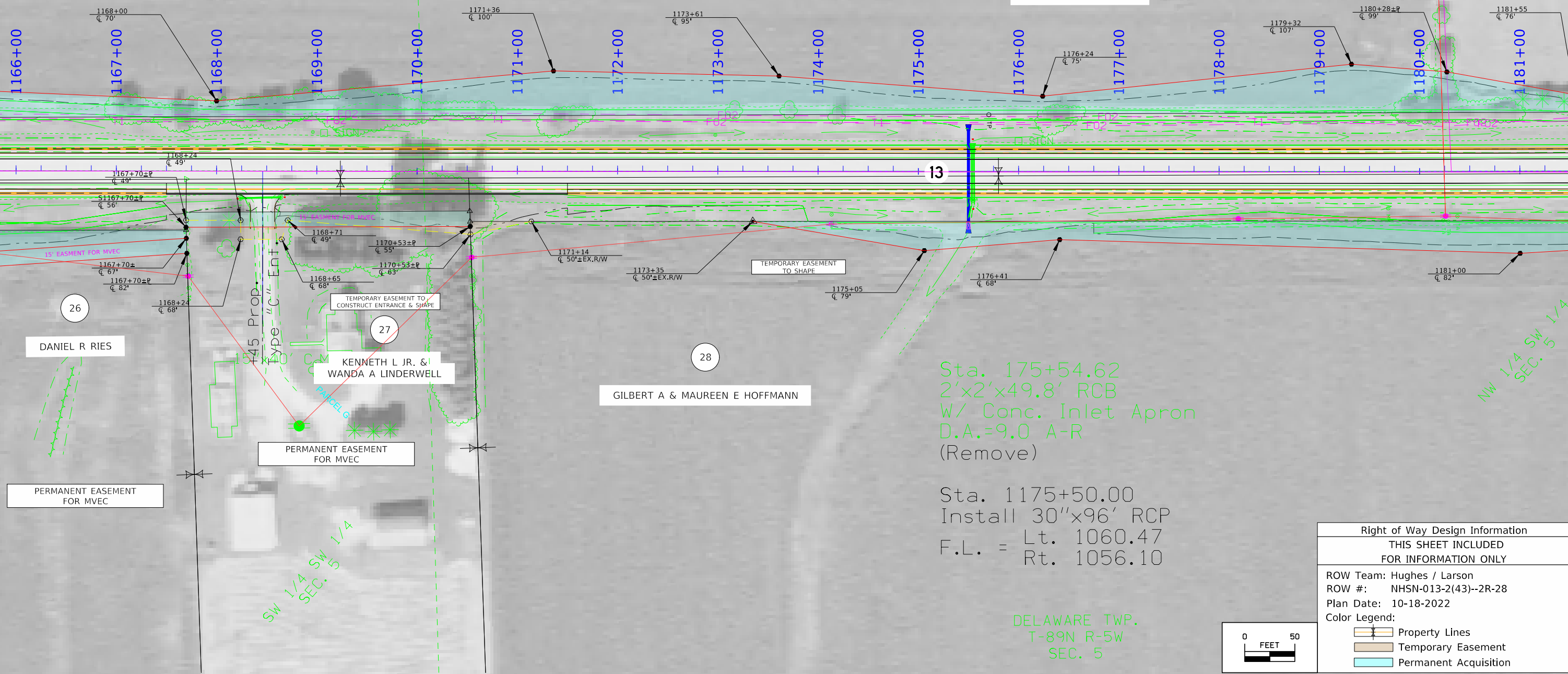
NE 1/4 SE 1/4
SEC. 6

29

ROGER D &
CONNIE GROTH

25

ELLEN BROESDER,
SUSAN K BROGHAMMER,
JOHN C BROGHAMMER



26

DANIEL R RIES

27

KENNETH L JR. &
WANDA A LINDERWELL

28

GILBERT A & MAUREEN E HOFFMANN

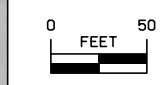
Sta. 175+54.62
2'x2'x49.8' RCB
w/ Conc. Inlet Apron
D.A.=9.0 A-R
(Remove)

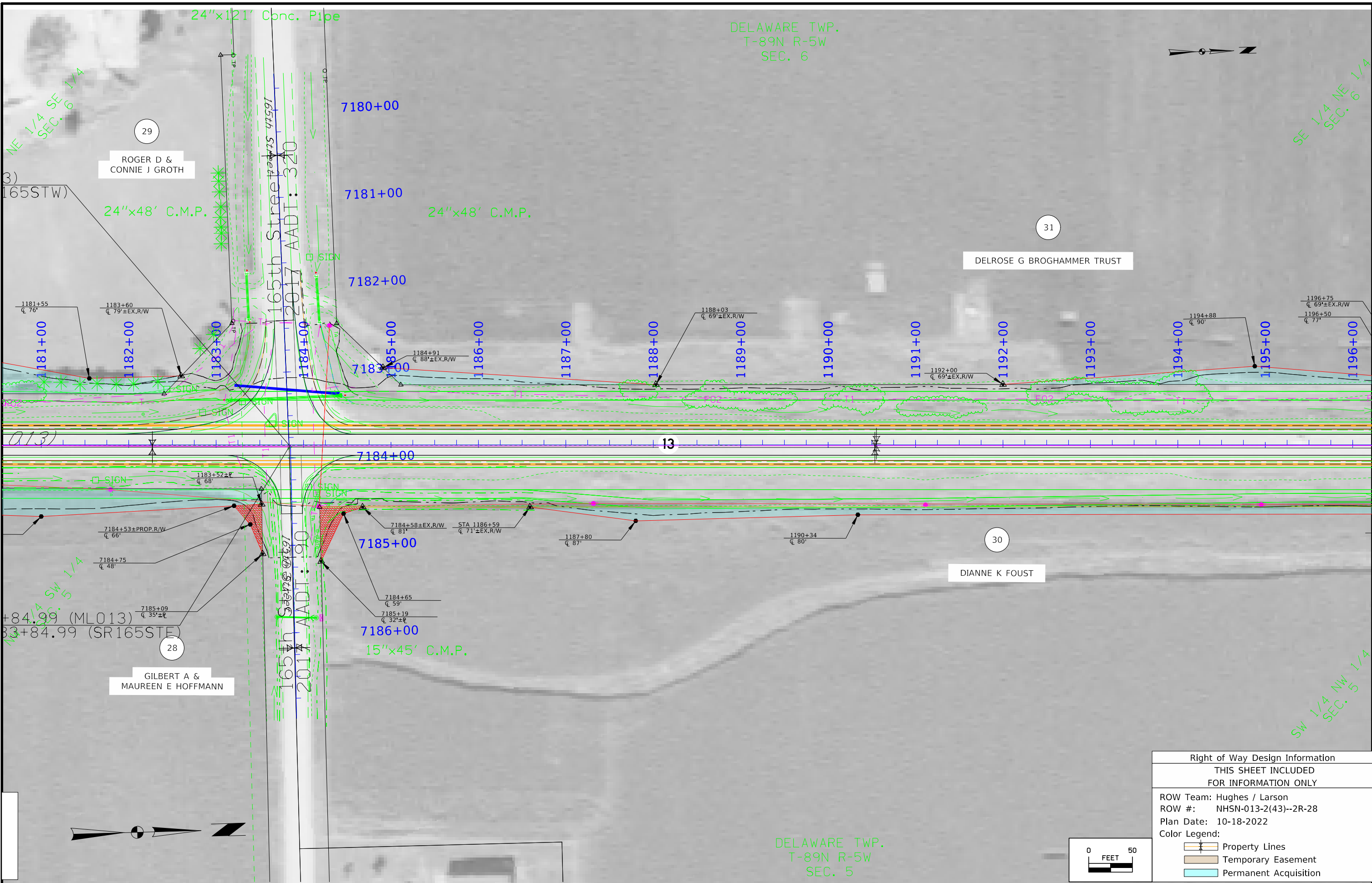
Sta. 1175+50.00
Install 30"x96' RCP
F.L. = Lt. 1060.47
Rt. 1056.10

NW 1/4 SW 1/4
SEC. 5

DELAWARE TWP.
T-89N R-5W
SEC. 5

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ROW #: NHSN-013-2(43)--2R-28	
Plan Date: 10-18-2022	
Color Legend:	
	Property Lines
	Temporary Easement
	Permanent Acquisition

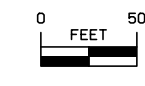




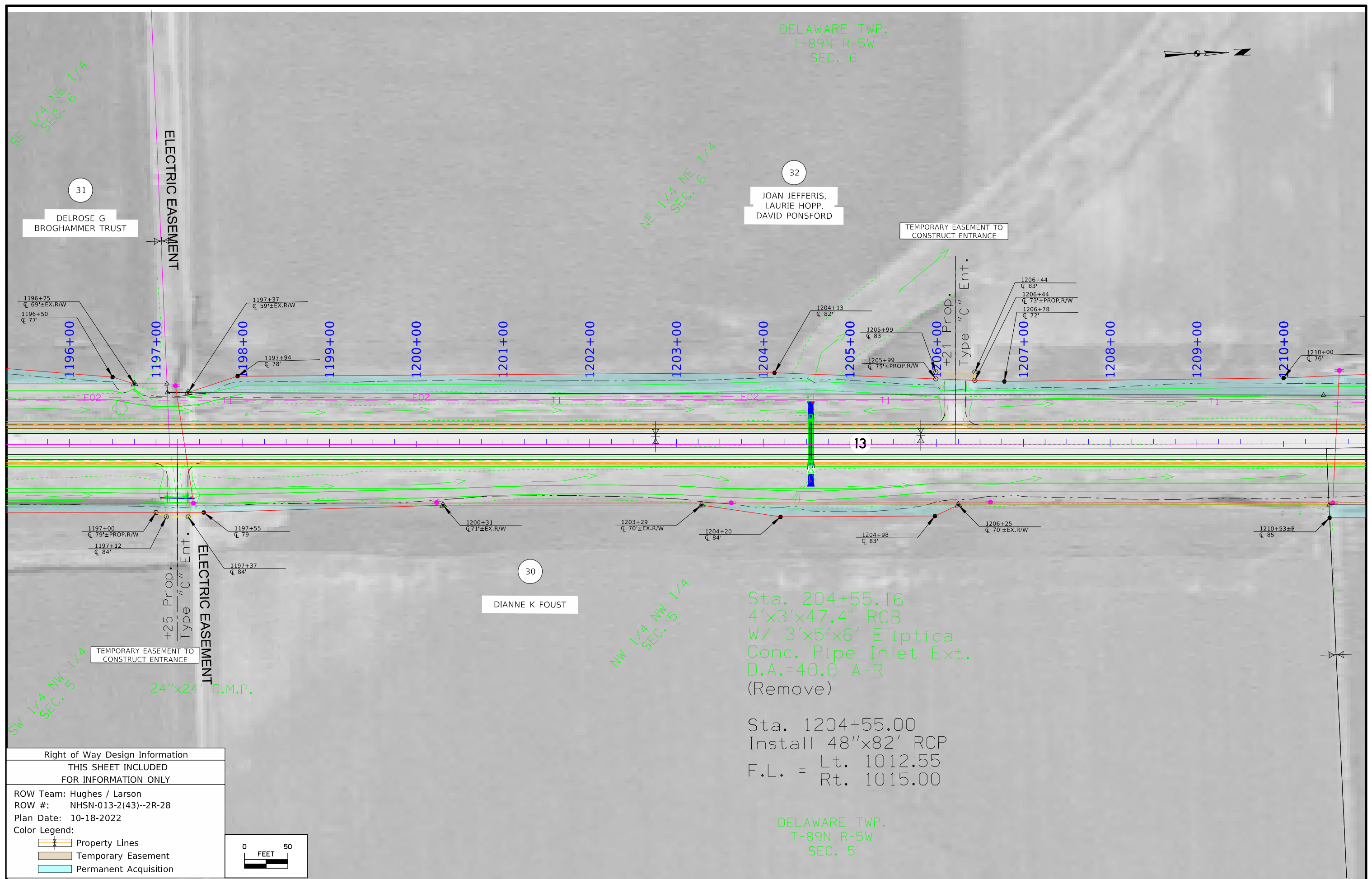
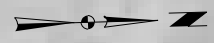
DELAWARE TWP.
T-89N R-5W
SEC. 6

DELAWARE TWP.
T-89N R-5W
SEC. 5

Right of Way Design Information	
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Plan Date: 10-18-2022	
Color Legend:	
	Property Lines
	Temporary Easement
	Permanent Acquisition



DELAWARE TWP.
T-89N R-5W
SEC. 6



32
JOAN JEFFERIS,
LAURIE HOPP,
DAVID PONSFORD

31
DELROSE G
BROGHAMMER TRUST

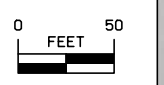
30
DIANNE K FOUST

Sta. 204+55.16
4'x3'x47.4' RCB
W/ 3'x5'x6' Elliptical
Conc. Pipe Inlet Ext.
D.A.=40.0 A-R
(Remove)

Sta. 1204+55.00
Install 48"x82' RCP
F.L. = Lt. 1012.55
Rt. 1015.00

DELAWARE TWP.
T-89N R-5W
SEC. 5

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	Permanent Acquisition

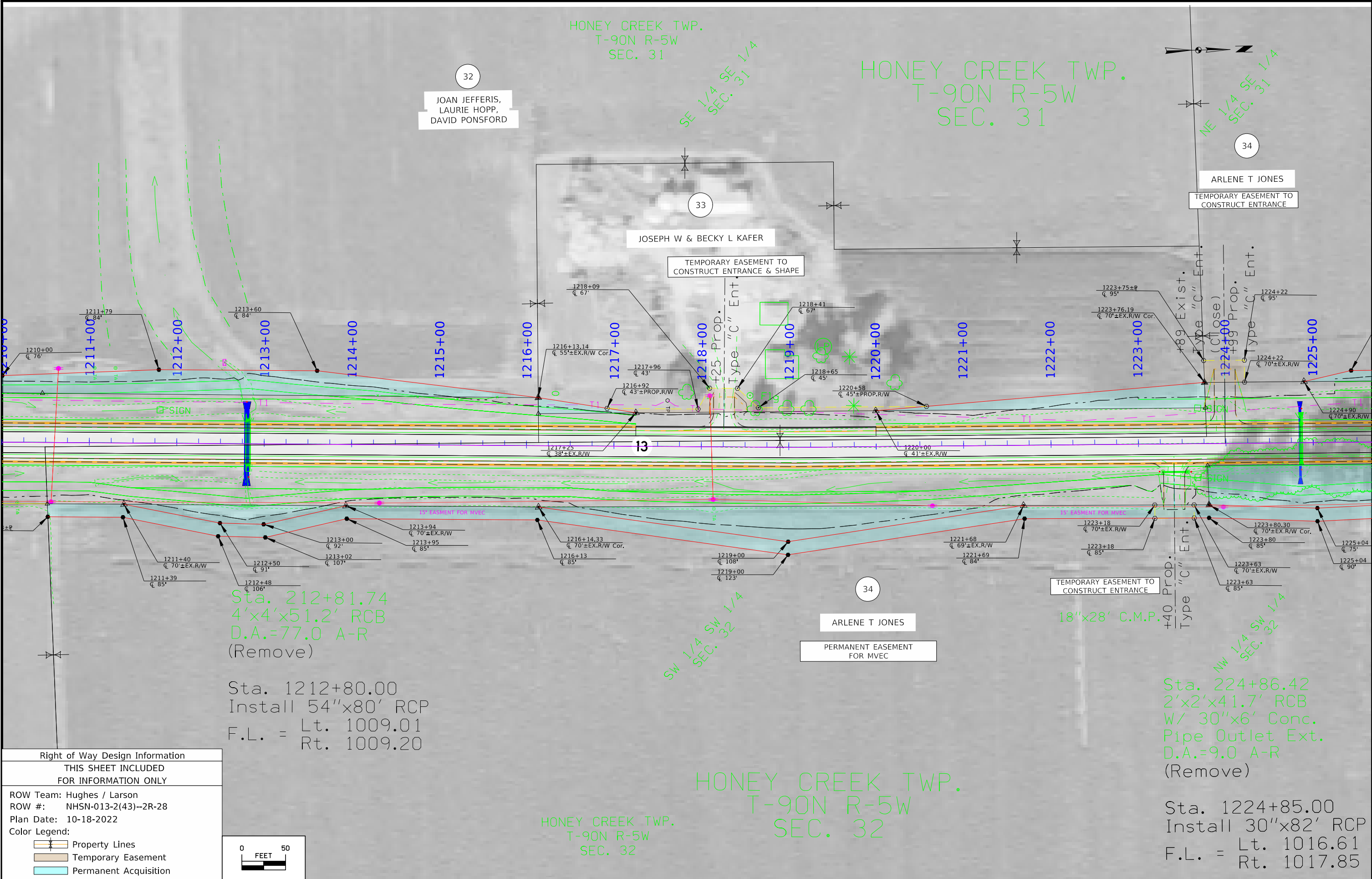


32
 JOAN JEFFERIS,
 LAURIE HOPP,
 DAVID PONSFORD

34
 ARLENE T JONES
 TEMPORARY EASEMENT TO
 CONSTRUCT ENTRANCE

JOSEPH W & BECKY L KAFER
 TEMPORARY EASEMENT TO
 CONSTRUCT ENTRANCE & SHAPE

34
 ARLENE T JONES
 PERMANENT EASEMENT
 FOR MVEC



Sta. 212+81.74
 4'x4'x51.2' RCB
 D.A.=77.0 A-R
 (Remove)

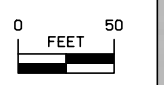
Sta. 1212+80.00
 Install 54"x80' RCP
 F.L. = Lt. 1009.01
 Rt. 1009.20

TEMPORARY EASEMENT TO
 CONSTRUCT ENTRANCE
 18"x28' C.M.P.

Sta. 224+86.42
 2'x2'x41.7' RCB
 W/ 30"x6' Conc.
 Pipe Outlet Ext.
 D.A.=9.0 A-R
 (Remove)

Sta. 1224+85.00
 Install 30"x82' RCP
 F.L. = Lt. 1016.61
 Rt. 1017.85

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Color Legend:	
	Property Lines
	Temporary Easement
	Permanent Acquisition



HONEY CREEK TWP.
T-90N R-5W
SEC. 31

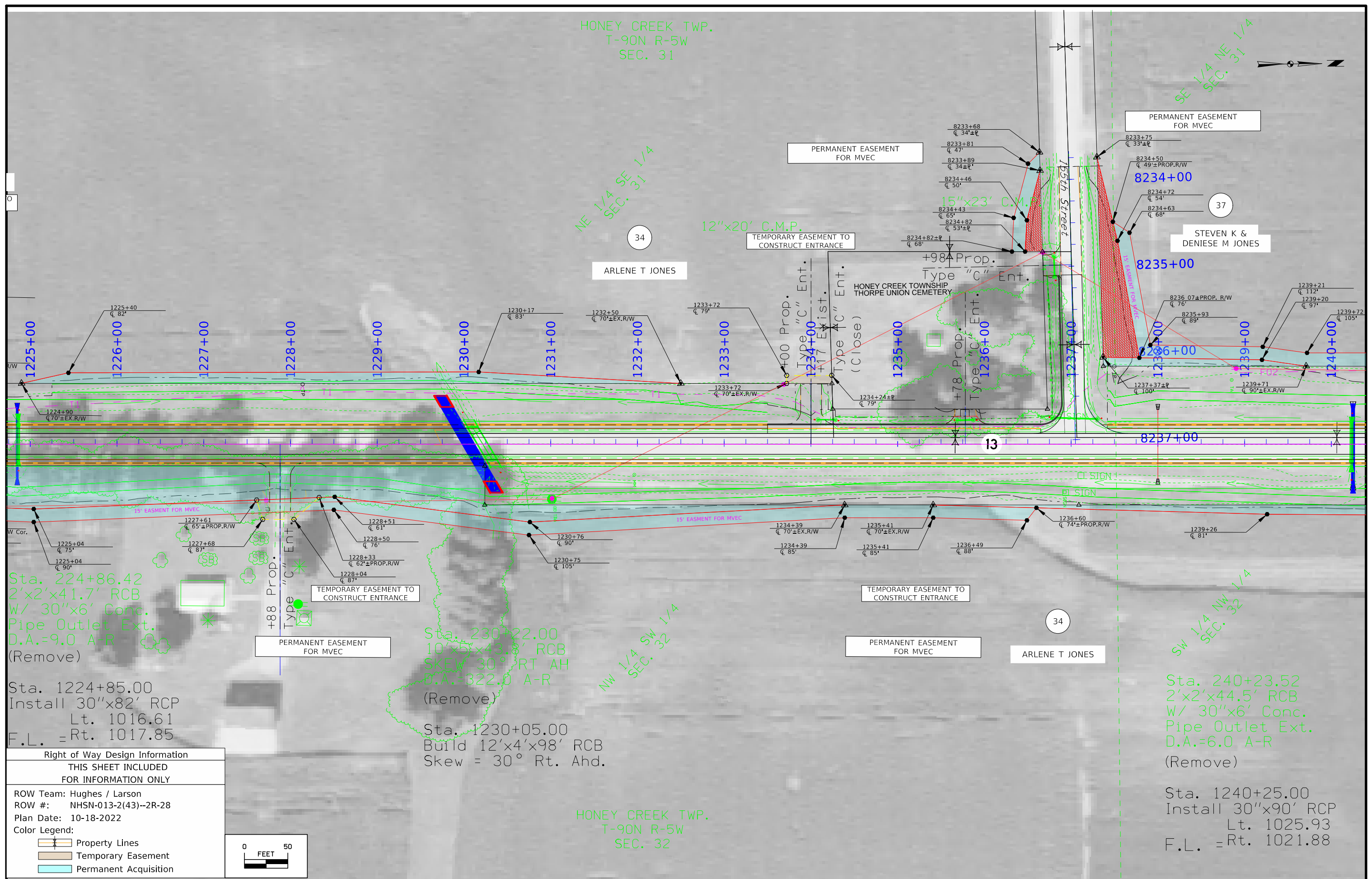
NE 1/4 SE 1/4
SEC. 31

SE 1/4 NE 1/4
SEC. 31

NW 1/4 SW 1/4
SEC. 32

SW 1/4 NW 1/4
SEC. 32

HONEY CREEK TWP.
T-90N R-5W
SEC. 32



Sta. 224+86.42
2'x2'x41.7' RCB
w/ 30"x6' Conc.
Pipe Outlet Ext.
D.A.=9.0 A-R
(Remove)

Sta. 1224+85.00
Install 30"x82' RCP
Lt. 1016.61
F.L. =Rt. 1017.85

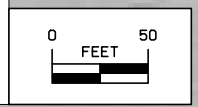
Sta. 230+22.00
10'x5'x43.8' RCB
SKEW 30° RT AH
D.A.=322.0 A-R
(Remove)

Sta. 1230+05.00
Build 12'x4'x98' RCB
Skew = 30° Rt. Ahd.

Sta. 240+23.52
2'x2'x44.5' RCB
w/ 30"x6' Conc.
Pipe Outlet Ext.
D.A.=6.0 A-R
(Remove)

Sta. 1240+25.00
Install 30"x90' RCP
Lt. 1025.93
F.L. =Rt. 1021.88

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	Property Lines
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	Permanent Acquisition



HONEY CREEK TWP.
T-90N R-5W
SEC. 31

Sta. 254+02.25
24"x73' Conc. Pipe
D.A.=10.0 A-R

(Remove)

Sta. 1254+00.00
Install 24"x86' RCP
F.L. = Lt. 1041.90
Rt. 1040.25

COUNTY DOES NOT WANT TO MAINTAIN THIS ROAD SIDE PARK
STATE IS GOING TO ABANDON SOME OF THIS EASEMENT
NEED TO KNOW WHAT TO RETAIN FOR THIS PROJECT

STEVEN K & DENIESE M JONES

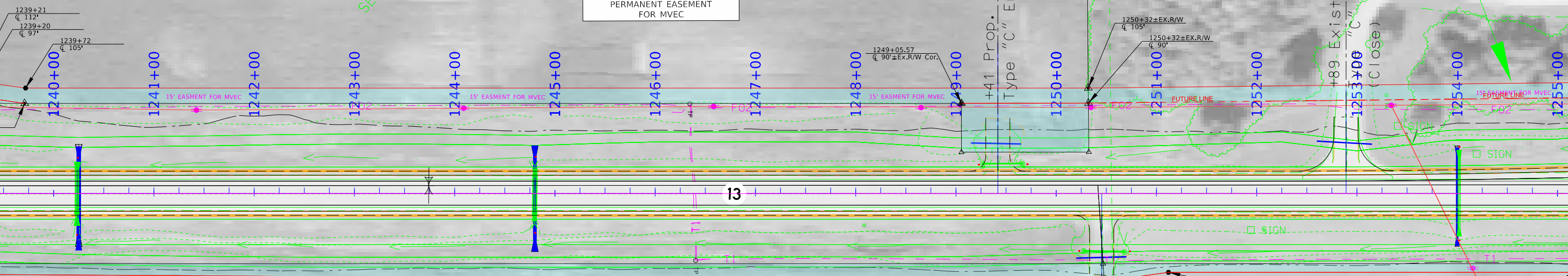
STATE OF IOWA

PERMANENT EASEMENT
FOR MVEC

12"x40' C.M.P.

+41 Prop.
Type "C" Ent.

+89 Ex. st.
Type "C" Ent.
(Close)



Sta. 240+23.52
2'x2'x44.5' RCB
W/ 30"x6' Conc.
Pipe Outlet Ext.
D.A.=6.0 A-R
(Remove)

Sta. 244+80.23
3'x2'x39.2' RCB
W/ 3'x2'x6' Elip. Conc.
Pipe Inlet & Outlet Ext.
D.A.=34.0 A-R

(Remove)

Sta. 1240+25.00
Install 30"x90' RCP
F.L. = Lt. 1025.93
Rt. 1021.88

Sta. 1244+80.00
Install 36"x90' RCP
F.L. = Lt. 1032.60
Rt. 1028.30

ARLENE T JONES

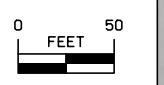
GERALD A &
CHERYL M HEIMS

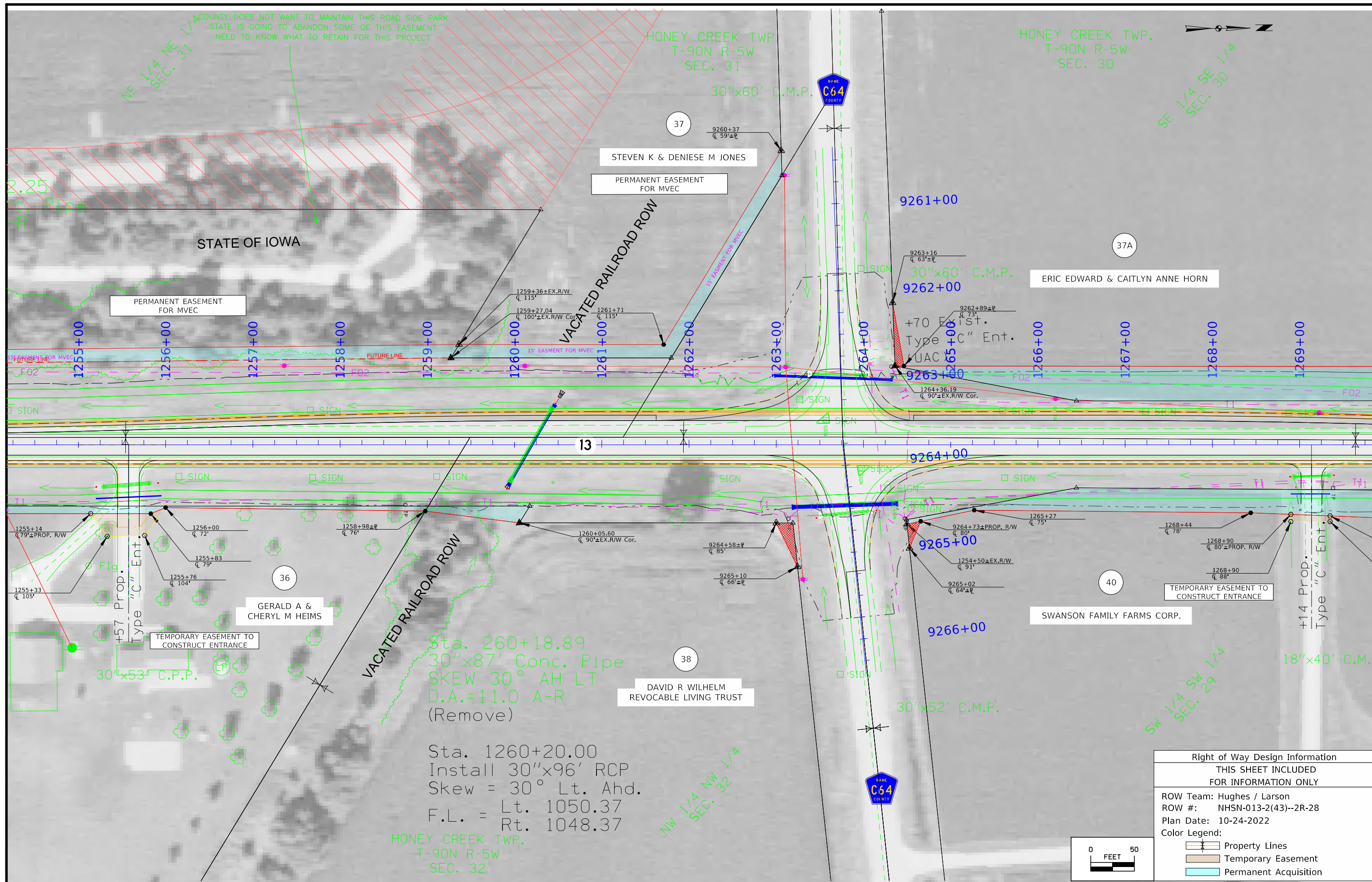
TEMPORARY EASEMENT TO
CONSTRUCT ENTRANCE

TEMPORARY EASEMENT TO
CONSTRUCT ENTRANCE

HONEY CREEK TWP.
T-90N R-5W
SEC. 32

Right of Way Design Information	
THIS SHEET INCLUDED FOR INFORMATION ONLY	
ROW Team:	Hughes / Larson
ROW #:	NHSN-013-2(43)--2R-28
Plan Date:	10-18-2022
Color Legend:	
	Property Lines
	Temporary Easement
	Permanent Acquisition





NE 1/4 NE 1/4 SEC. 31
 COUNTY DOES NOT WANT TO MAINTAIN THIS ROAD SIDE PARK STATE IS GOING TO ABANDON SOME OF THIS EASEMENT NEED TO KNOW WHAT TO RETAIN FOR THIS PROJECT

HONEY CREEK TWP.
 T-90N R-5W
 SEC. 31

HONEY CREEK TWP.
 T-90N R-5W
 SEC. 30

SE 1/4 SE 1/4 SEC. 30

STEVEN K & DENIESE M JONES

ERIC EDWARD & CAITLYN ANNE HORN

GERALD A & CHERYL M HEIMS

DAVID R WILHELM
 REVOCABLE LIVING TRUST

SWANSON FAMILY FARMS CORP.

Sta. 260+18.89
 30"x87' Conc. Pipe
 SKEW 30° AH LT
 D.A.=11.0 A-R
 (Remove)

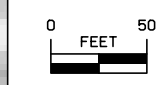
Sta. 1260+20.00
 Install 30"x96' RCP
 Skew = 30° Lt. Ahd.
 F.L. = Lt. 1050.37
 Rt. 1048.37

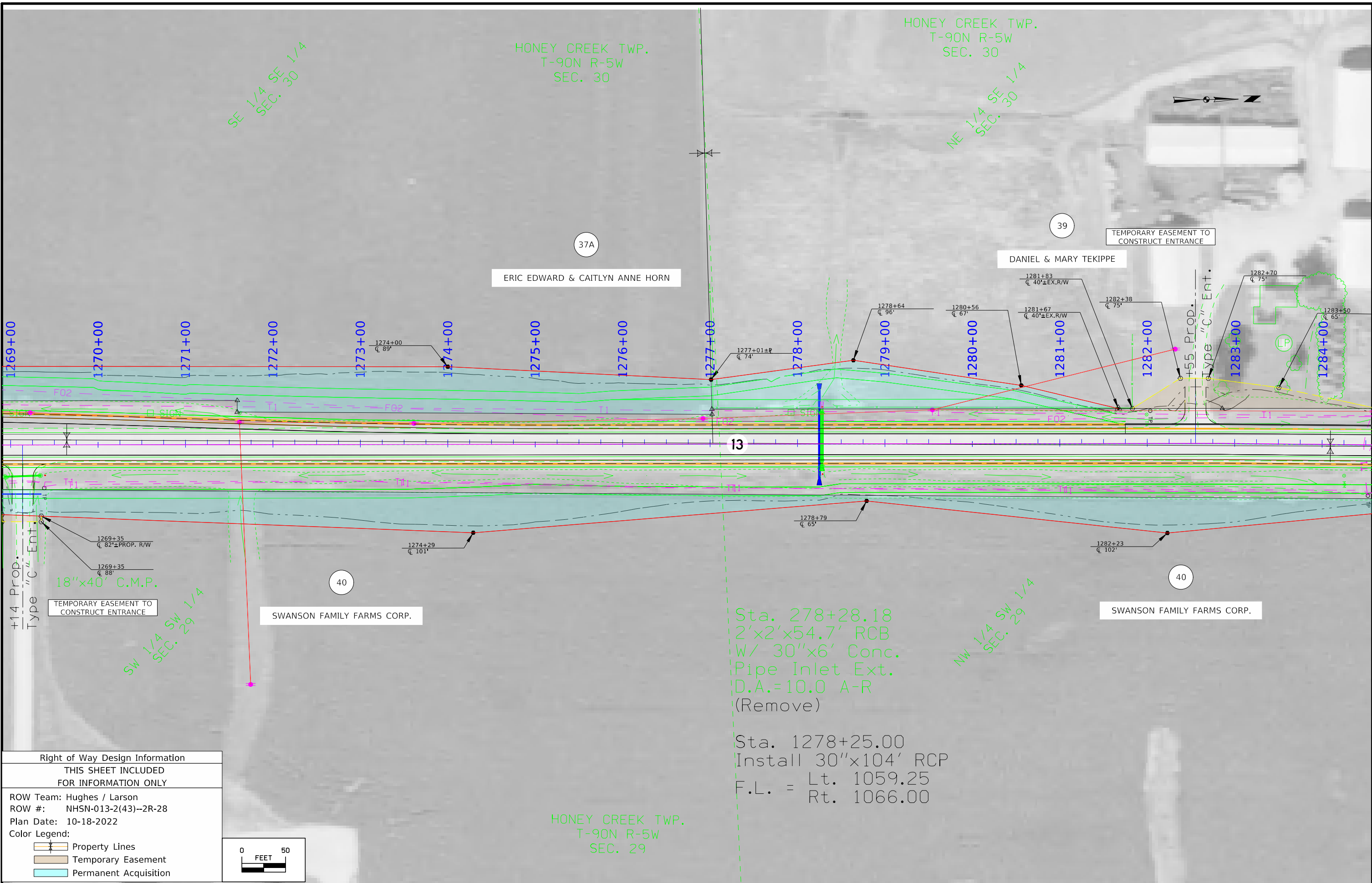
HONEY CREEK TWP.
 T-90N R-5W
 SEC. 32

Right of Way Design Information
 THIS SHEET INCLUDED
 FOR INFORMATION ONLY

ROW Team: Hughes / Larson
 ROW #: NHSN-013-2(43)--2R-28
 Plan Date: 10-24-2022

Color Legend:
 [Yellow Line] Property Lines
 [Light Blue Area] Temporary Easement
 [Dark Blue Area] Permanent Acquisition





HONEY CREEK TWP.
T-90N R-5W
SEC. 30

HONEY CREEK TWP.
T-90N R-5W
SEC. 30

SE 1/4 SE 1/4
SEC. 30

NE 1/4 SE 1/4
SEC. 30

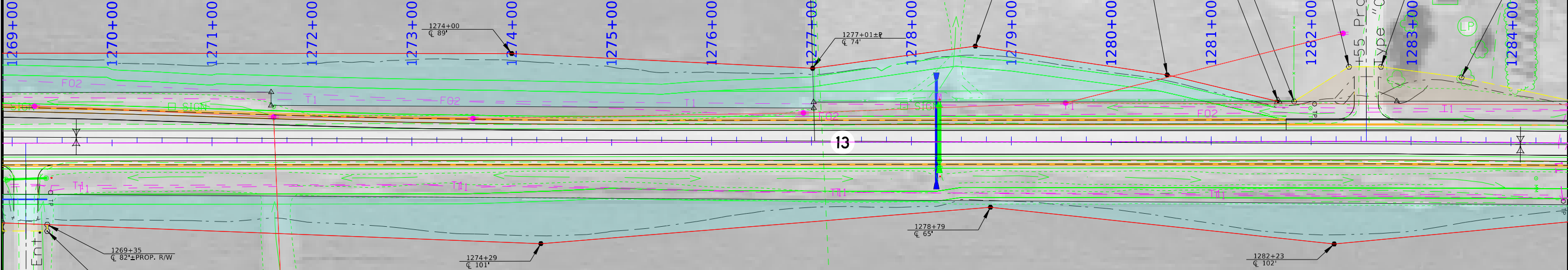
37A

39

ERIC EDWARD & CAITLYN ANNE HORN

DANIEL & MARY TEKIPPE

TEMPORARY EASEMENT TO
CONSTRUCT ENTRANCE



1269+35
± 82' ± PROP. R/W

1269+35
± 88'

18''x40' C.M.P.

40

SWANSON FAMILY FARMS CORP.

SW 1/4 SW 1/4
SEC. 29

Sta. 278+28.18
2'x2'x54.7' RCB
W/ 30''x6' Conc.
Pipe Inlet Ext.
D.A.=10.0 A-R
(Remove)

Sta. 1278+25.00
Install 30''x104' RCP
F.L. = Lt. 1059.25
Rt. 1066.00

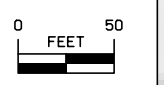
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SWANSON FAMILY FARMS CORP.

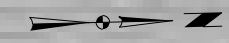
NW 1/4 SW 1/4
SEC. 29

HONEY CREEK TWP.
T-90N R-5W
SEC. 29

Right of Way Design Information	
THIS SHEET INCLUDED FOR INFORMATION ONLY	
ROW Team:	Hughes / Larson
ROW #:	NHSN-013-2(43)--2R-28
Plan Date:	10-18-2022
Color Legend:	
	Property Lines
	Temporary Easement
	Permanent Acquisition



HONEY CREEK TWP.
T-90N R-5W
SEC. 30



NE 1/4 SE 1/4
SEC. 30

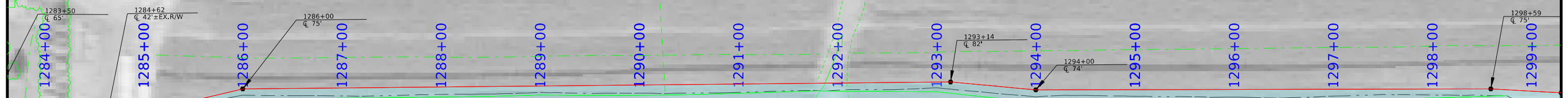
SE 1/4 NE 1/4
SEC. 30

39

DANIEL & MARY TEKIPPE

39

DANIEL & MARY TEKIPPE



13

TEMPORARY EASEMENT TO
CONSTRUCT ENTRANCE & SHAPE

NW 1/4 SW 1/4
SEC. 29

40

SWANSON FAMILY FARMS CORP.

41

STEVEN B & ROSE M SCHMOCK

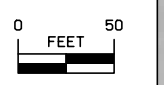
SW 1/4 NW 1/4
SEC. 29

Sta. 291+71.28
2'x2'x41.6' RCB
W/ 30"x6' Conc. Pipe
Inlet & Outlet Ext.
D.A.=17.0 A-R
(Remove)

Sta. 1291+75.00
Install 30"x88' RCP
F.L. = Lt. 1049.00
Rt. 1052.00

HONEY CREEK TWP.
T-90N R-5W
SEC. 29

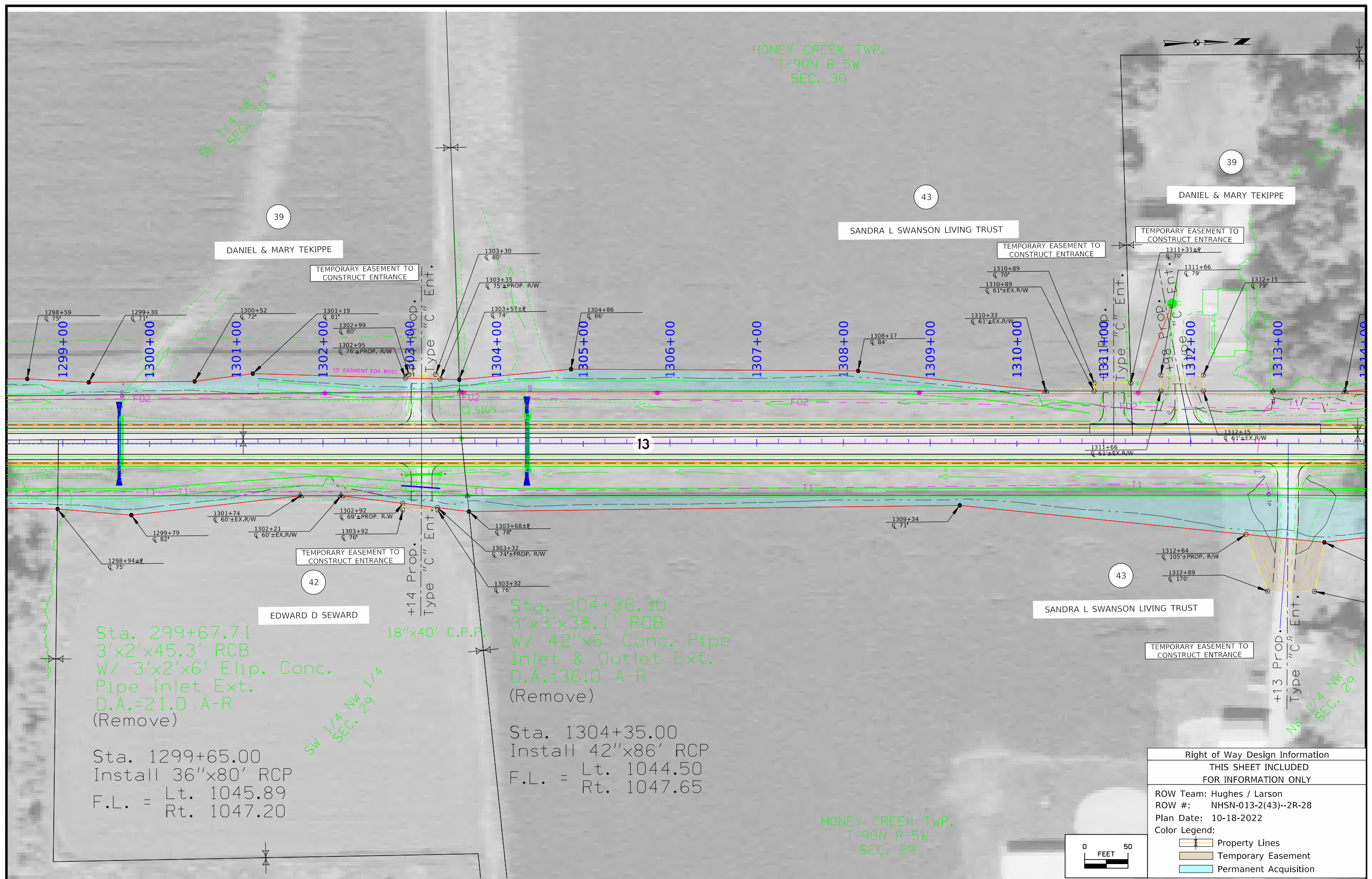
Right of Way Design Information	
THIS SHEET INCLUDED FOR INFORMATION ONLY	
ROW Team:	Hughes / Larson
ROW #:	NHSN-013-2(43)--2R-28
Plan Date:	10-18-2022
Color Legend:	
	Property Lines
	Temporary Easement
	Permanent Acquisition



HONEY CREEK TWP.
T-90N R-5W
SEC. 30

SE 1/4 NE 1/4
SEC. 30

NE 1/4 NE 1/4
SEC. 30



Sta. 299+67.71
3'x2'x45.3' RCB
W/ 3'x2'x6' Elip. Conc.
Pipe Inlet Ext.
D.A.=21.0 A-R
(Remove)

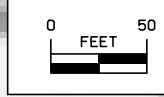
Sta. 1299+65.00
Install 36"x80' RCP
F.L. = Lt. 1045.89
Rt. 1047.20

Sta. 304+36.30
3'x3'x38.1' RCB
W/ 42"x6' Conc. Pipe
Inlet & Outlet Ext.
D.A.=36.0 A-R
(Remove)

Sta. 1304+35.00
Install 42"x86' RCP
F.L. = Lt. 1044.50
Rt. 1047.65

HONEY CREEK TWP.
T-90N R-5W
SEC. 29

Right of Way Design Information	
THIS SHEET INCLUDED FOR INFORMATION ONLY	
ROW Team: Hughes / Larson	
ROW #: NHSN-013-2(43)--2R-28	
Plan Date: 10-18-2022	
Color Legend:	
	Property Lines
	Temporary Easement
	Permanent Acquisition



HONEY CREEK TWP.
T-90N R-5W
SEC. 19

SE 1/4 SE 19 1/4
SEC. 19

NE 1/4 NE 30 1/4
SEC. 30

DANIEL & MARY TEKIPPE

DANIEL & MARY TEKIPPE

TEMPORARY EASEMENT TO
CONSTRUCT ENTRANCES

SUN VALLEY FARMS PARTNERSHIP

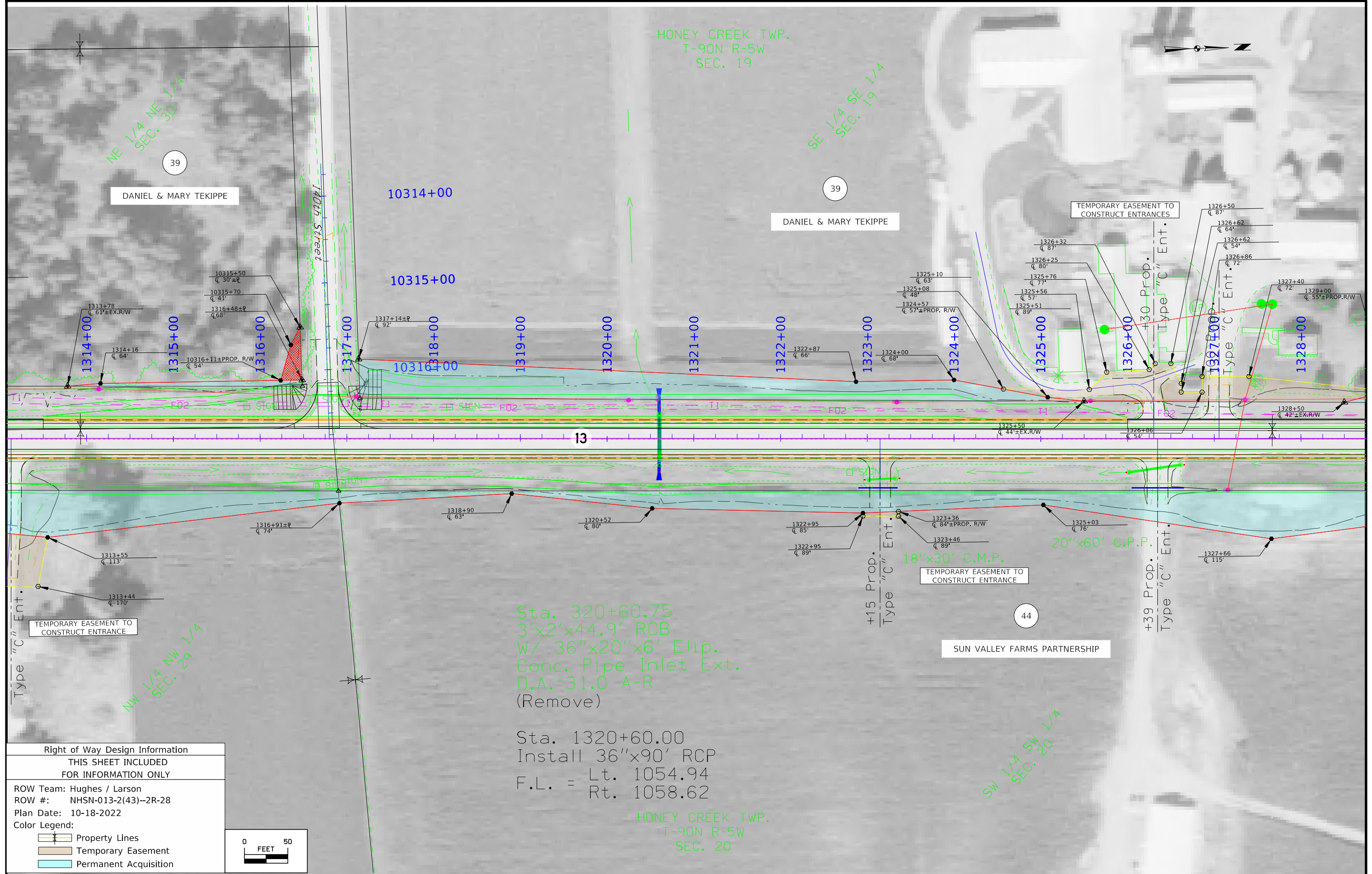
Sta. 320+60.75
3'x2'x44.9' RCB
w/ 36"x20"x6' Elip.
Conc. Pipe Inlet Ext.
D.A.=31.0 A-R
(Remove)

Sta. 1320+60.00
Install 36"x90' RCP
F.L. = Lt. 1054.94
Rt. 1058.62

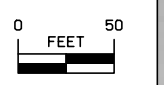
HONEY CREEK TWP.
T-90N R-5W
SEC. 20

NW 1/4 NW 29 1/4
SEC. 29

SW 1/4 SW 20 1/4
SEC. 20



Right of Way Design Information	
THIS SHEET INCLUDED FOR INFORMATION ONLY	
ROW Team: Hughes / Larson	
ROW #: NHSN-013-2(43)--2R-28	
Plan Date: 10-18-2022	
Color Legend:	
	Property Lines
	Temporary Easement
	Permanent Acquisition



HONEY CREEK TWP.
T-90N R-5W
SEC. 19

Sta. 342+21.06
2'x2'x41.3' RCB
W/ 30"x6' Conc. Pipe
Inlet & Outlet Ext.
D.A.=12.0 A-R
(Remove)

Sta. 1342+20.00
Install 30'x94' RCP
Lt. 1084.31
F.L. =Rt. 1088.21

DANIEL & MARY TEKIPPE

DANIEL & MARY TEKIPPE

TEMPORARY EASEMENT TO
CONSTRUCT ENTRANCE

SE 1/4 SE 1/4
SEC. 19 1/4

NE 1/4 SE 1/4
SEC. 19 1/4

NW 1/4 SW 1/4
SEC. 20 1/4

Sta. 331+28.77
3'x2'x56.7' RCB
D.A.=27.0 A-R
(Remove)

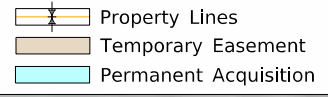
Sta. 1331+25.00
Install 36"x112' RCP
Lt. 1063.86
F.L. =Rt. 1065.50

SUN VALLEY FARMS PARTNERSHIP

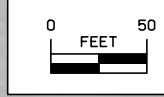
DELORES F STELKEN
CONTRACT: BRAD W & SHERRI L CLAUSON

Right of Way Design Information
THIS SHEET INCLUDED
FOR INFORMATION ONLY

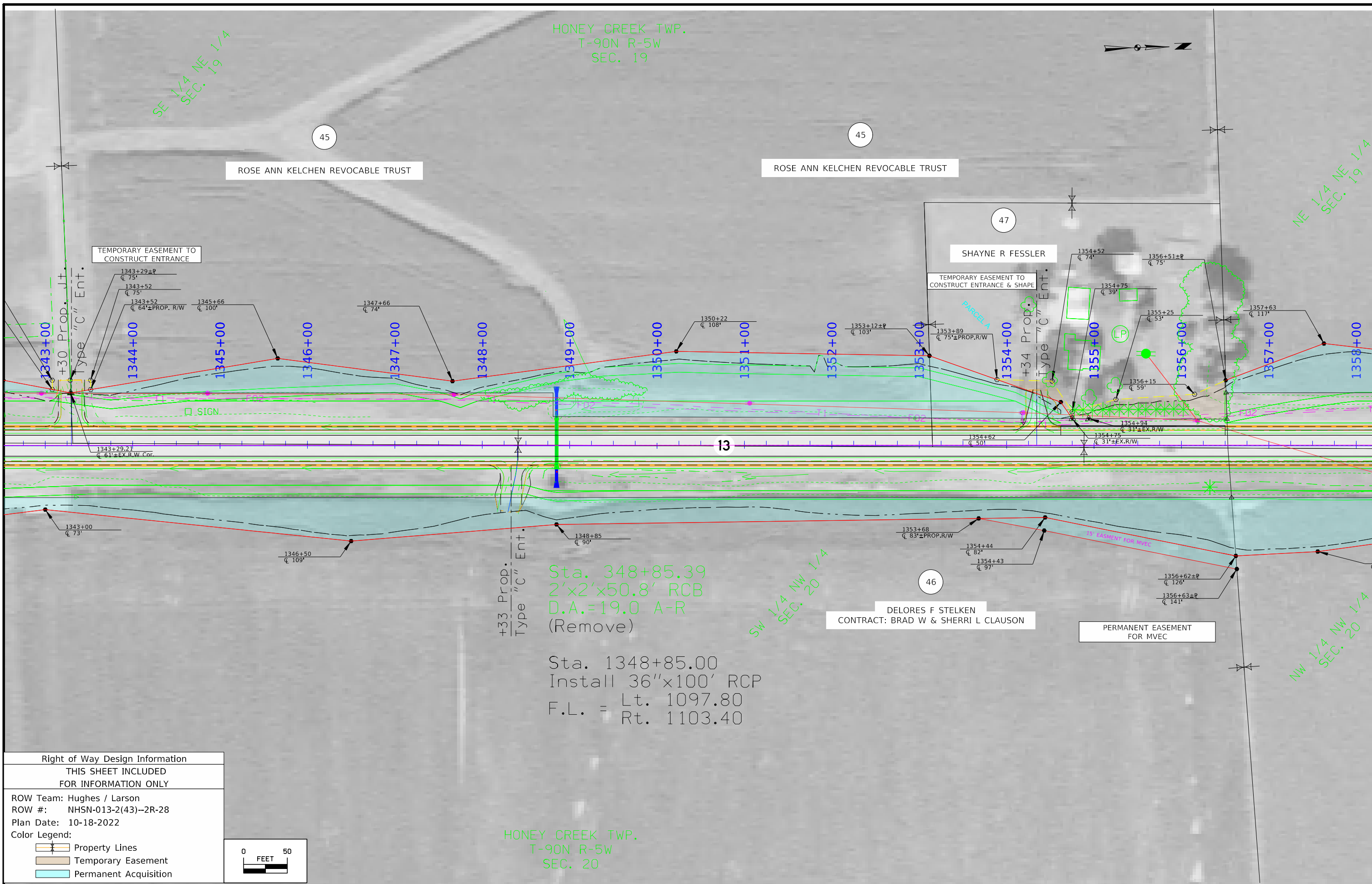
ROW Team: Hughes / Larson
ROW #: NHSN-013-2(43)--2R-28
Plan Date: 10-18-2022

Color Legend:


- Property Lines
- Temporary Easement
- Permanent Acquisition



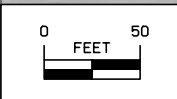
HONEY CREEK TWP.
T-90N R-5W
SEC. 20



Sta. 348+85.39
 2'x2'x50.8' RCB
 D.A.=19.0 A-R
 (Remove)

Sta. 1348+85.00
 Install 36"x100' RCP
 F.L. = Lt. 1097.80
 Rt. 1103.40

Right of Way Design Information	
THIS SHEET INCLUDED FOR INFORMATION ONLY	
ROW Team: Hughes / Larson	
ROW #: NHSN-013-2(43)--2R-28	
Plan Date: 10-18-2022	
Color Legend:	
	Property Lines
	Temporary Easement
	Permanent Acquisition



HONEY CREEK TWP.
T-90N R-5W
SEC. 19

HONEY CREEK TWP.
T-90N R-5W
SEC. 18

NE 1/4 NE 1/4
SEC. 19

SE 1/4 SE 1/4
SEC. 18

NW 1/4 NW 1/4
SEC. 20

SW 1/4 SW 1/4
SEC. 17

THE DONALD E & CATHERINE A KEPPLER LIVING TRUST

D & C HOLTZ FARM, LLC

THE DONALD E & CATHERINE A KEPPLER LIVING TRUST

CHAD JOSEPH &
JACKIE ANN HOLTZ

PERMANENT EASEMENT
FOR MVEC

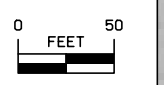
TEMPORARY EASEMENT TO
CONSTRUCT ENTRANCE & SHAPE

Sta. 362+89.54
4'x5'x42.0' RCB
D.A.=14.0 A-R
(Remove)

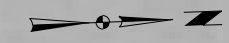
Sta. 1362+90.00
Install 30"x114' RCP
F.L. = Lt. 1105.00
Rt. 1109.50

HONEY CREEK TWP.
T-90N R-5W
SEC. 20

Right of Way Design Information	
THIS SHEET INCLUDED FOR INFORMATION ONLY	
ROW Team: Hughes / Larson	
ROW #: NHSN-013-2(43)--2R-28	
Plan Date: 10-18-2022	
Color Legend:	
	Property Lines
	Temporary Easement
	Permanent Acquisition



HONEY CREEK TWP.
T-90N R-5W
SEC. 18



NE 1/4 SE 1/4
SEC. 18

Sta. 374+27.04
2'x2'x63.3' RCB
D.A.=17.0 A-R
(Remove)

Sta. 1374+25.00
Install 30"x124' RCP
Lt. 1086.47
F.L. = Rt. 1089.15

D & C HOLTZ FARM, LLC

DONALD A & CHERYL L HOLTZ

D & C HOLTZ FARM, LLC

CHAD JOSEPH & JACKIE ANN HOLTZ

KENNETH J & LINDA L HAHN

Sta. 380+98.34
2'x2'x43.5' RCB
D.A.=10.0 A-R
(Remove)

Sta. 1381+00.00
Install 30"x92' RCP
F.L. = Lt. 1095.70
Rt. 1099.90

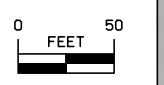
HONEY CREEK TWP.
T-90N R-5W
SEC. 17

SE 1/4 SE 1/4
SEC. 18

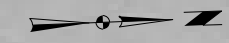
SW 1/4 SW 1/4
SEC. 17

NW 1/4 SW 1/4
SEC. 17

Right of Way Design Information	
THIS SHEET INCLUDED FOR INFORMATION ONLY	
ROW Team:	Hughes / Larson
ROW #:	NHSN-013-2(43)--2R-28
Plan Date:	10-18-2022
Color Legend:	
	Property Lines
	Temporary Easement
	Permanent Acquisition



HONEY CREEK TWP.
T-90N R-5W
SEC. 18



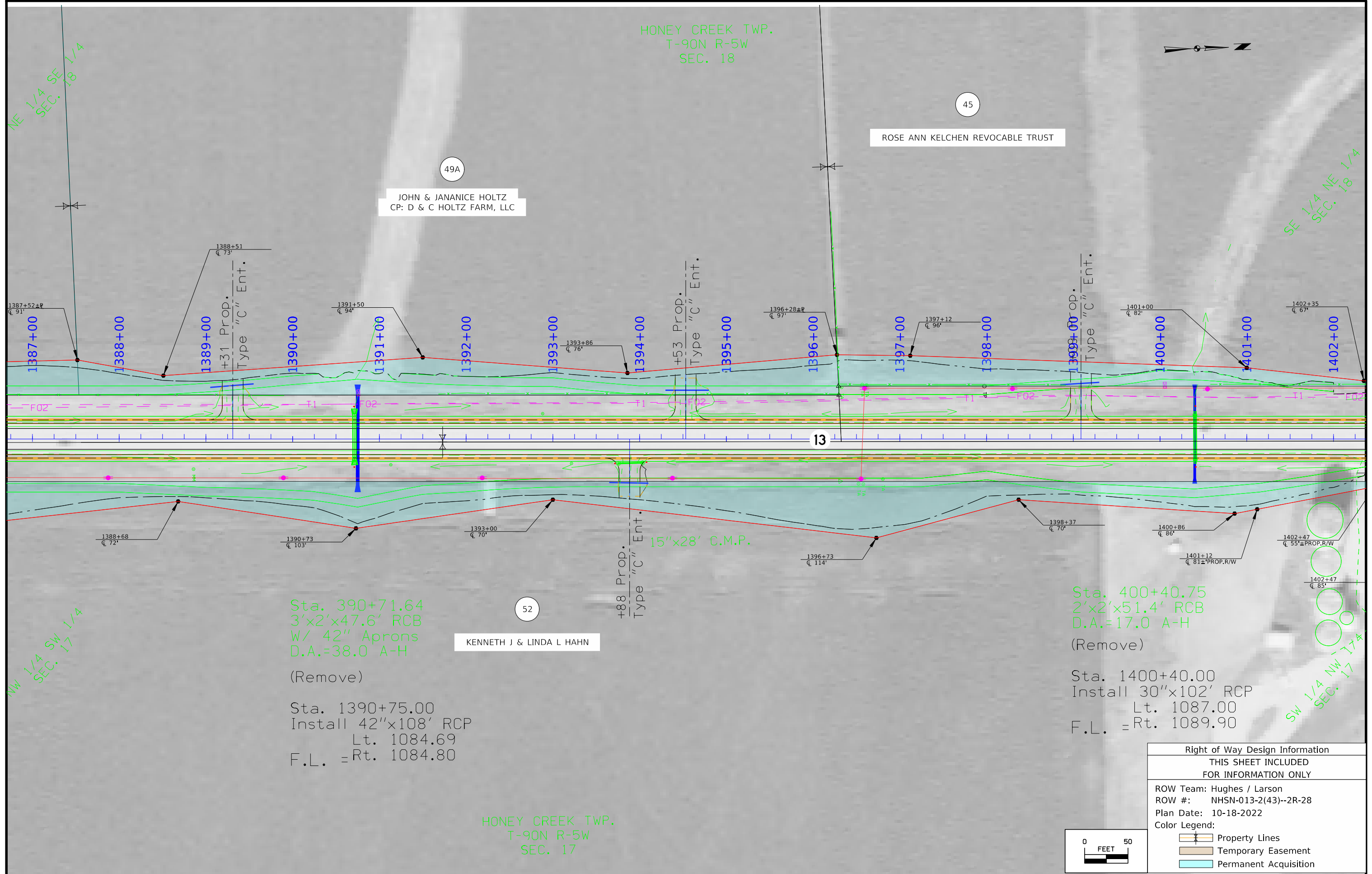
45

ROSE ANN KELCHEN REVOCABLE TRUST

49A

JOHN & JANANICE HOLTZ
CP: D & C HOLTZ FARM, LLC

SE 1/4 NE 1/4
SEC. 18



NW 1/4 SW 1/4
SEC. 17

Sta. 390+71.64
3'x2'x47.6' RCB
W/ 42" Aprons
D.A.=38.0 A-H

52

KENNETH J & LINDA L HAHN

(Remove)
Sta. 1390+75.00
Install 42"x108' RCP
Lt. 1084.69
F.L. = Rt. 1084.80

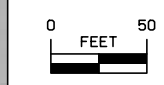
15"x28' C.M.P.

Sta. 400+40.75
2'x2'x51.4' RCB
D.A.=17.0 A-H
(Remove)

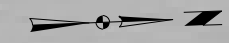
Sta. 1400+40.00
Install 30"x102' RCP
Lt. 1087.00
F.L. = Rt. 1089.90

SW 1/4 NW 1/4
SEC. 17

Right of Way Design Information	
THIS SHEET INCLUDED FOR INFORMATION ONLY	
ROW Team: Hughes / Larson	
ROW #: NHSN-013-2(43)--2R-28	
Plan Date: 10-18-2022	
Color Legend:	
	Property Lines
	Temporary Easement
	Permanent Acquisition

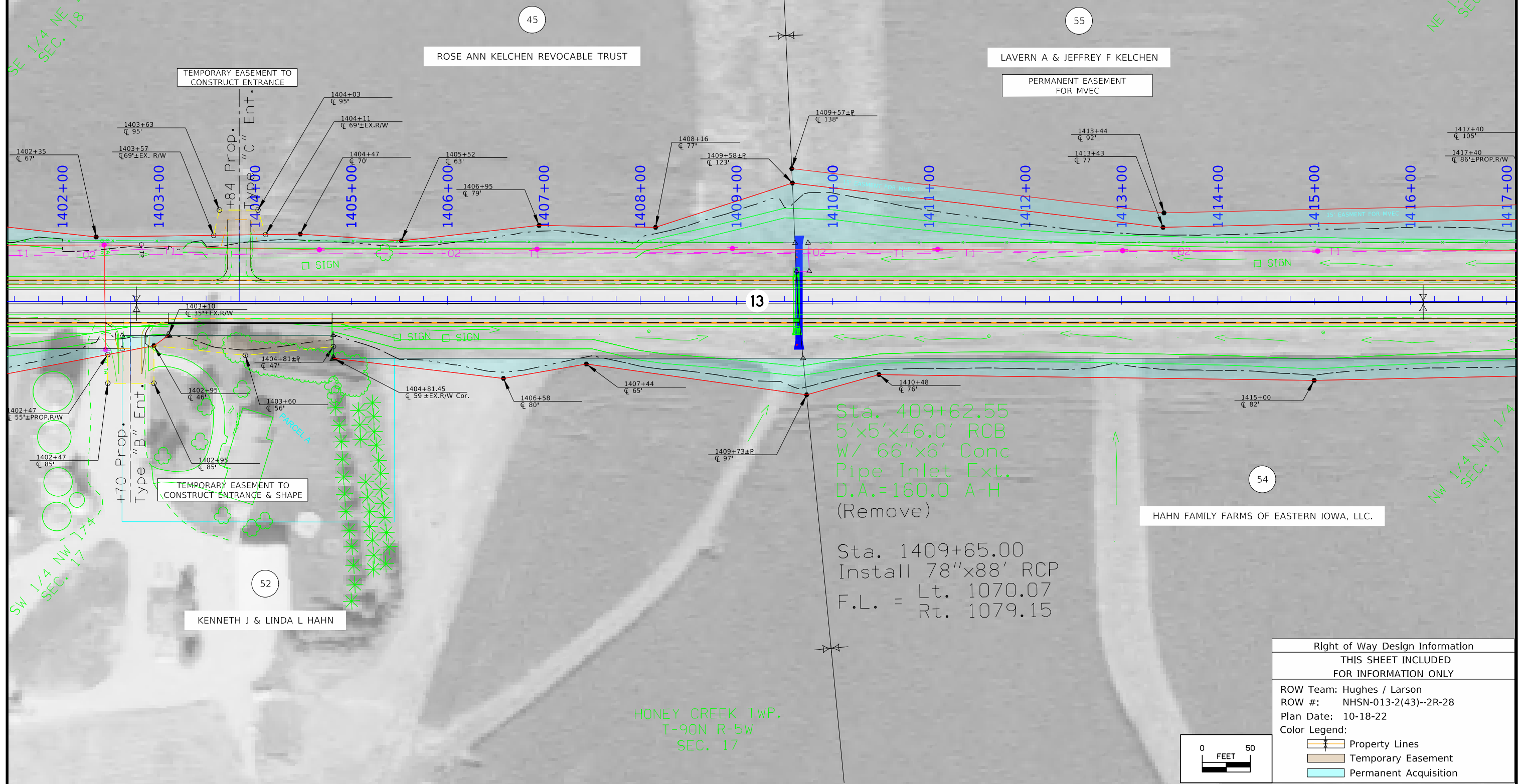


HONEY CREEK TWP.
T-90N R-5W
SEC. 18



SE 1/4 NE 1/4
SEC. 18

NE 1/4 NE 1/4
SEC. 18



SW 1/4 NW 1/4
SEC. 17

NW 1/4 NW 1/4
SEC. 17

ROSE ANN KELCHEN REVOCABLE TRUST

LAVERN A & JEFFREY F KELCHEN

KENNETH J & LINDA L HAHN

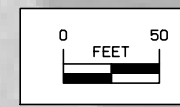
HAHN FAMILY FARMS OF EASTERN IOWA, LLC.

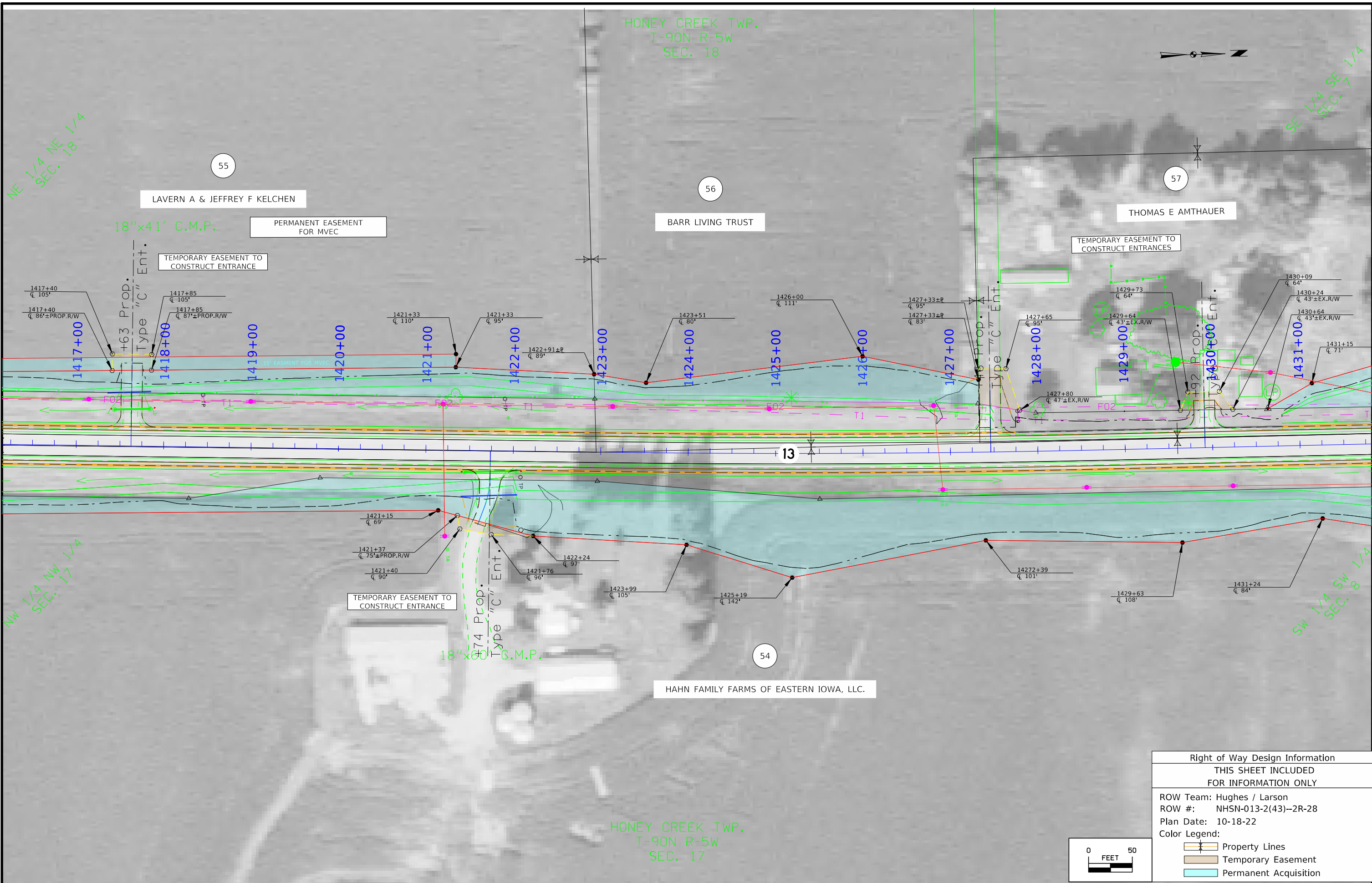
Sta. 409+62.55
5'x5'x46.0' RCB
w/ 66"x6' Conc
Pipe Inlet Ext.
D.A.=160.0 A-H
(Remove)

Sta. 1409+65.00
Install 78"x88' RCP
F.L. = Lt. 1070.07
Rt. 1079.15

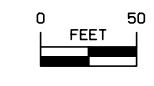
HONEY CREEK TWP.
T-90N R-5W
SEC. 17

Right of Way Design Information	
THIS SHEET INCLUDED FOR INFORMATION ONLY	
ROW Team:	Hughes / Larson
ROW #:	NHSN-013-2(43)--2R-28
Plan Date:	10-18-22
Color Legend:	
	Property Lines
	Temporary Easement
	Permanent Acquisition





Right of Way Design Information	
THIS SHEET INCLUDED FOR INFORMATION ONLY	
ROW Team: Hughes / Larson	
ROW #: NHSN-013-2(43)--2R-28	
Plan Date: 10-18-22	
Color Legend:	
	Property Lines
	Temporary Easement
	Permanent Acquisition



HONEY CREEK TWP.
T-90N R-5W
SEC. 7

THOMAS E AMTHAUER

ASHLEY M LANSING

BARR LIVING TRUST

TEMPORARY EASEMENT TO
CONSTRUCT ENTRANCE & SHAPE

13

JAMES B ARTHUR 2008 REVOCABLE TRUST

Sta. 438+28.40
2'x2'x68.2' RCB
D.A.=10.0 A-R
(Remove)

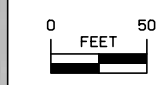
Sta. 1438+30.00
Install 30"x102' RCP
F.L. = Lt. 1102.00
Rt. 1106.70

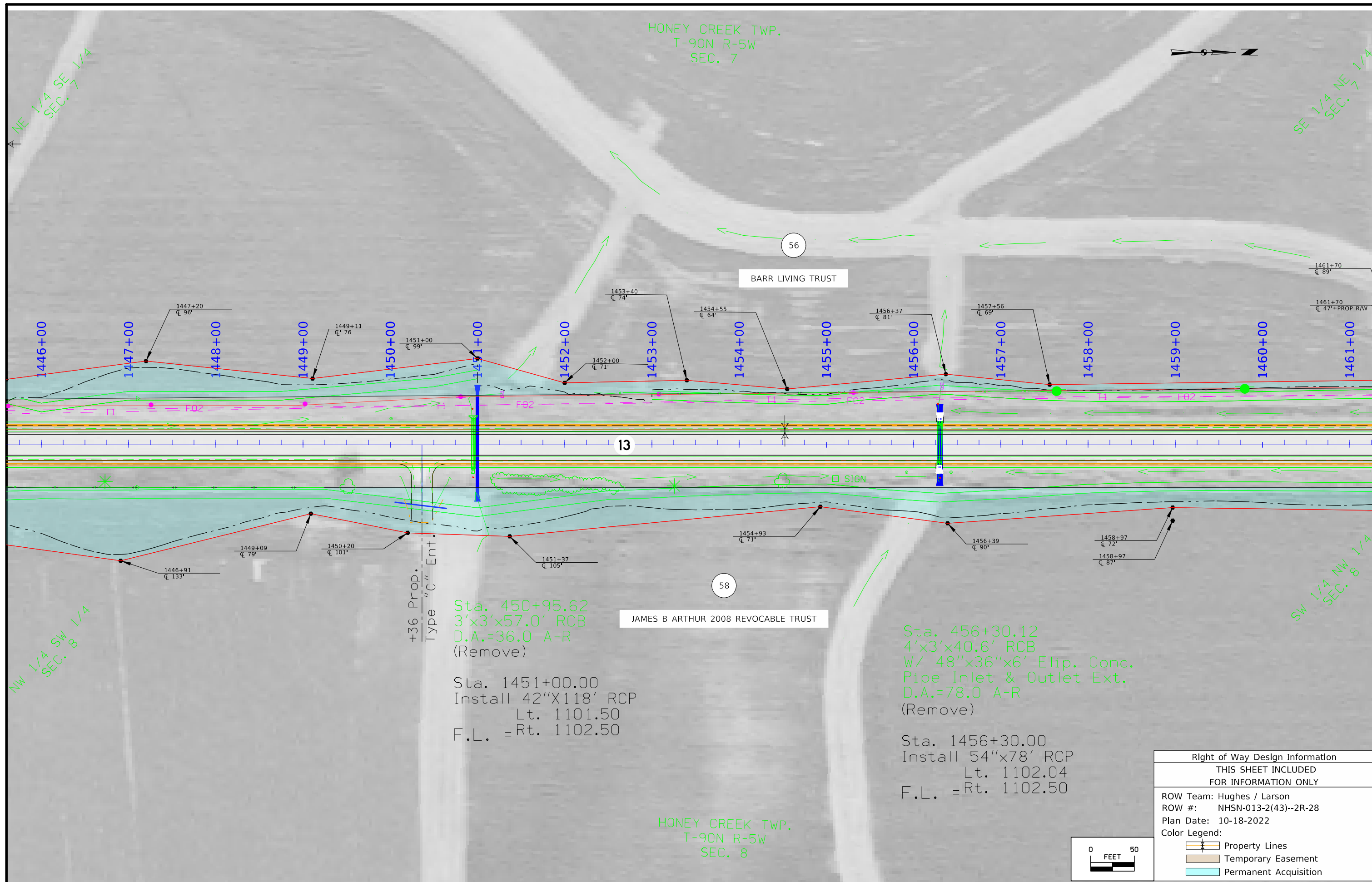
Sta. 444+11.24
2'x2'x54.2' RCB
D.A.=23.0 A-R
(Remove)

Sta. 1444+10.00
Install 30"x98' RCP
F.L. = Lt. 1110.00
Rt. 1113.40

Sta. 1432+30.00
Install 36"x122' RCP
F.L. = Lt. 1095.00
Rt. 1097.50

Right of Way Design Information	
THIS SHEET INCLUDED FOR INFORMATION ONLY	
ROW Team:	Hughes / Larson
ROW #:	NHSN-013-2(43)--2R-28
Plan Date:	10-18-2022
Color Legend:	
	Property Lines
	Temporary Easement
	Permanent Acquisition





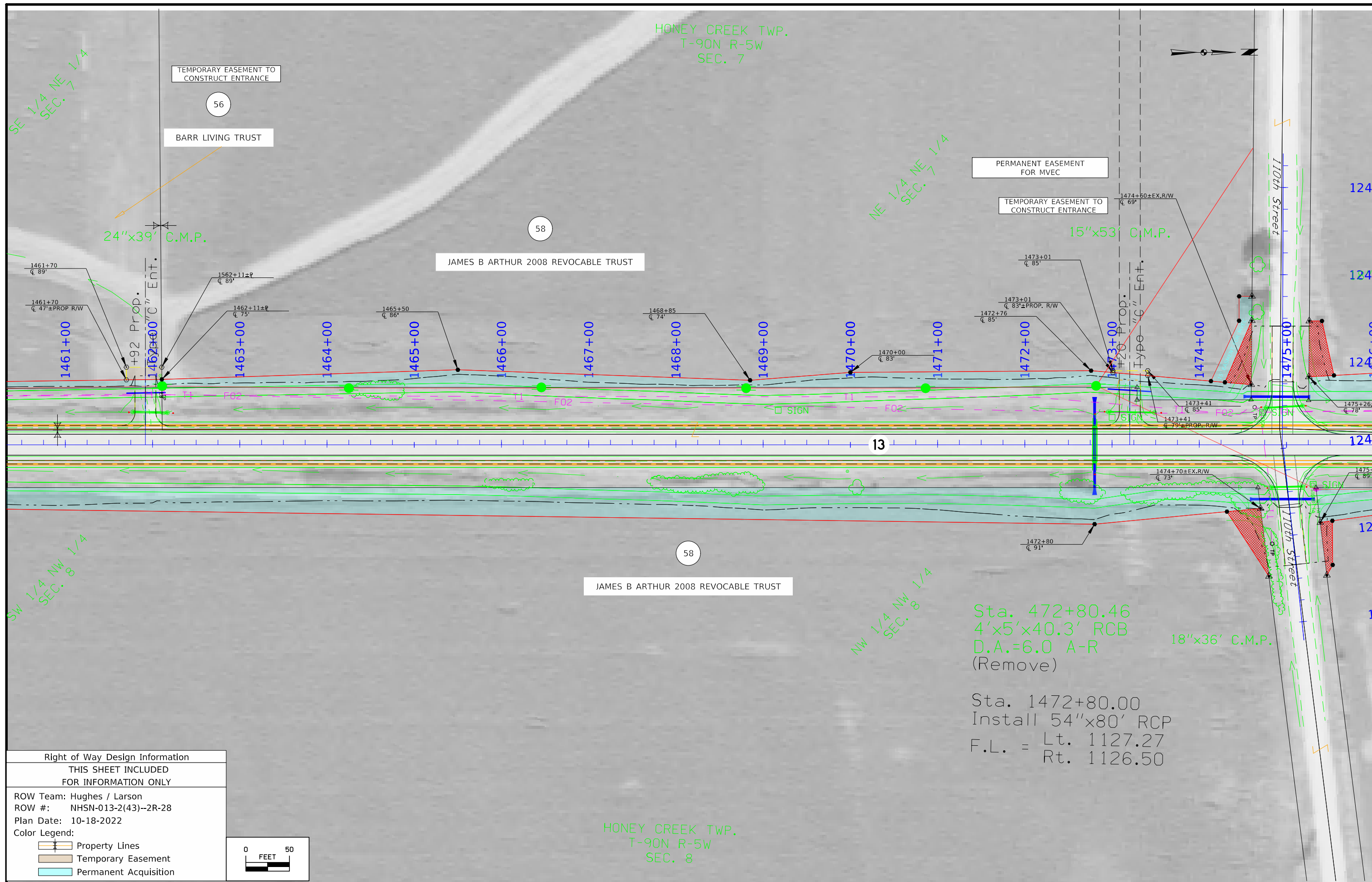
Sta. 450+95.62
 3'x3'x57.0' RCB
 D.A.=36.0 A-R
 (Remove)

Sta. 1451+00.00
 Install 42"X118' RCP
 Lt. 1101.50
 F.L. = Rt. 1102.50

Sta. 456+30.12
 4'x3'x40.6' RCB
 w/ 48"x36"x6' Elip. Conc.
 Pipe Inlet & Outlet Ext.
 D.A.=78.0 A-R
 (Remove)

Sta. 1456+30.00
 Install 54"x78' RCP
 Lt. 1102.04
 F.L. = Rt. 1102.50

Right of Way Design Information	
THIS SHEET INCLUDED FOR INFORMATION ONLY	
ROW Team: Hughes / Larson	
ROW #: NHSN-013-2(43)--2R-28	
Plan Date: 10-18-2022	
Color Legend:	
	Property Lines
	Temporary Easement
	Permanent Acquisition



HONEY CREEK TWP.
T-90N R-5W
SEC. 7

SE 1/4 NE 1/4
SEC. 7

NE 1/4 NE 1/4
SEC. 7

SW 1/4 NW 1/4
SEC. 8

NW 1/4 NW 1/4
SEC. 8

TEMPORARY EASEMENT TO
CONSTRUCT ENTRANCE

56

BARR LIVING TRUST

58

JAMES B ARTHUR 2008 REVOCABLE TRUST

PERMANENT EASEMENT
FOR MVEC

TEMPORARY EASEMENT TO
CONSTRUCT ENTRANCE

15"x53' C.M.P.

24"x39' C.M.P.

1474+50±EX.R/W
C 69'

1473+01
C 85'

1473+01
C 83'±PROP. R/W

1472+76
C 85'

1470+00
C 83'

1471+00

1472+00

1474+00

1473+41
C 85'

1473+41
C 79'±PROP. R/W

124

124

124

124

124

124

13

58

JAMES B ARTHUR 2008 REVOCABLE TRUST

1474+70±EX.R/W
C 73'

1472+80
C 91'

Sta. 472+80.46
4'x5'x40.3' RCB
D.A.=6.0 A-R
(Remove)

18"x36' C.M.P.

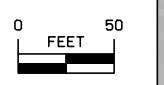
Sta. 1472+80.00
Install 54"x80' RCP
F.L. = Lt. 1127.27
Rt. 1126.50

HONEY CREEK TWP.
T-90N R-5W
SEC. 8

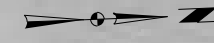
Right of Way Design Information
THIS SHEET INCLUDED
FOR INFORMATION ONLY

ROW Team: Hughes / Larson
ROW #: NHSN-013-2(43)--2R-28
Plan Date: 10-18-2022

Color Legend:



HONEY CREEK TWP.
T-90N R-5W
SEC. 6



NE 1/4 SE 1/4
SEC. 6

SE 1/4 SE 1/4
SEC. 6

TEMPORARY EASEMENT TO
CONSTRUCT ENTRANCE

JAMES B ARTHUR 2008 REVOCABLE TRUST

MOORMAN INC.

58

61

12472+00

12473+00

18"x42' C.M.P.

12474+00

1477+00

1478+00

1479+00

1480+00

1481+00

1482+00

1483+00

1484+00

1485+00

1486+00

1487+00

1488+00

1489+00

1490+00

1479+84
± PROP. R/W
± 92'

1480+24
± PROP. R/W
± 91'

1480+24
± PROP. R/W
± 85'

1481+00
± PROP. R/W
± 77'

1485+39
± PROP. R/W
± 67'

1488+32±P
± PROP. R/W
± 73'

1488+73
± PROP. R/W
± 76'

12475+00

13

1475+39±EX.R/W
± 89'

12476+00

1476+20
± PROP. R/W
± 78'

1479+24
± PROP. R/W
± 105'

58

JAMES B ARTHUR 2008 REVOCABLE TRUST

1484+32
± PROP. R/W
± 69'

Sta. 488+99.74
2'x2'x45.0' RCB
W/ 30"x6' Conc.
Pipe Inlet Ext.
D.A.=14.0 A-R
(Remove)

TEMPORARY EASEMENT TO
CONSTRUCT ENTRANCE

+49 Prop.
Type "C" Ent.

12477+00

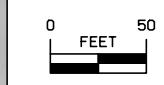
SW 1/4 SW 1/4
SEC. 5

NW 1/4 SW 1/4
SEC. 5

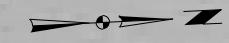
HONEY CREEK TWP.
T-90N R-5W
SEC. 5

Sta. 1489+00.00
Install 30"x82' RCP
F.L. = Lt. 1145.85
Rt. 1147.00

Right of Way Design Information	
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ROW Team: Hughes / Larson	
ROW #: NHSN-013-2(43)--2R-28	
Plan Date: 10-18-2022	
Color Legend:	
	Property Lines
	Temporary Easement
	Permanent Acquisition



HONEY CREEK TWP.
T-90N R-5W
SEC. 6



Sta. 502+06.07
4'x3'x45.0' RCB
W/ 48"x36"x6' Elip.
Conc. Pipe Inlet Ext.
D.A.=128.0 A-R
(Remove)

Sta. 1502+00.00
Install 54"x80' RCP
F.L. = Lt. 1143.00
Rt. 1144.15

61

MOORMAN INC.

TEMPORARY EASEMENT TO
CONSTRUCT ENTRANCE

13

60

JOSEPH C KINTZLE REVOCABLE TRUST

58

JAMES B ARTHUR 2008 REVOCABLE TRUST

HONEY CREEK TWP.
T-90N R-5W
SEC. 5

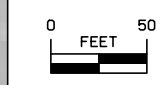
NE 1/4 SE 1/4
SEC. 6

SE 1/4 NE 1/4
SEC. 6

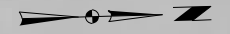
NW 1/4 SW 1/4
SEC. 5

SW 1/4 NW 1/4
SEC. 5

Right of Way Design Information	
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ROW Team:	Hughes / Larson
ROW #:	NHSN-013-2(43)--2R-28
Plan Date:	10-18-2022
Color Legend:	
	Property Lines
	Temporary Easement
	Permanent Acquisition



HONEY CREEK TWP.
T-90N R-5W
SEC. 6



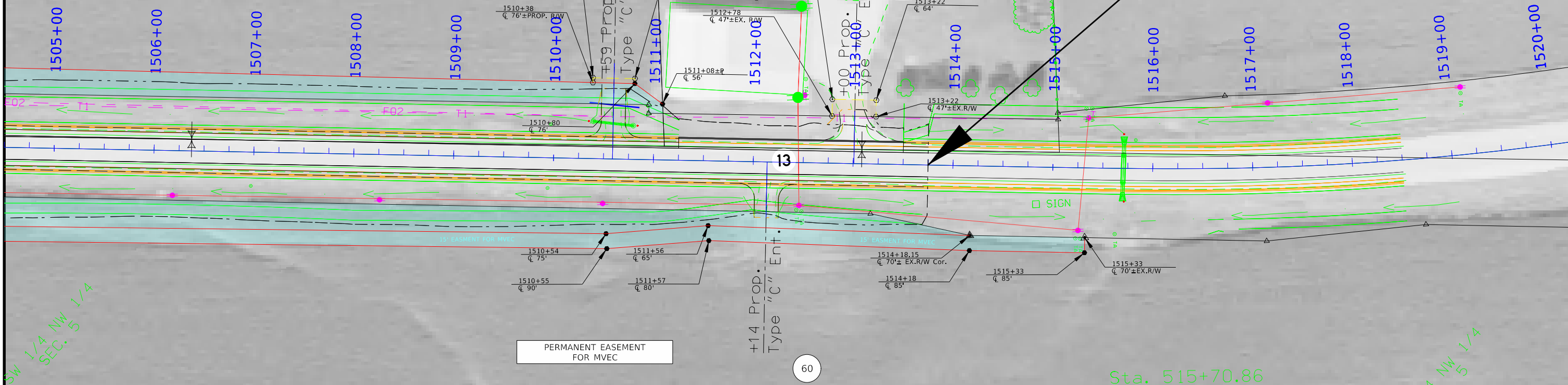
SE 1/4 NE 1/4
SEC. 6

NE 1/4 NE 1/4
SEC. 6

61
MOORMAN INC.

MICHAEL J & EDEN C GAUL

STA. 1513+75.00
END PAVING
END CONSTRUCTION
Ref. Loc. 53.7



SW 1/4 NW 1/4
SEC. 5

NW 1/4 NW 1/4
SEC. 5

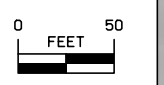
PERMANENT EASEMENT
FOR MVEC

JOSEPH C KINTZLE REVOCABLE TRUST

Sta. 515+70.86
3'x2'x27.6' RCB
W/ 36"x10' Conc. Pipe
Inlet & Outlet Ext.
D.A.=13.0 A-R

HONEY CREEK TWP.
T-90N R-5W
SEC. 5

Right of Way Design Information	
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ROW Team: Hughes / Larson	
ROW #: NHSN-013-2(43)--2R-28	
Plan Date: 10-18-2022	
Color Legend:	
	Property Lines
	Temporary Easement
	Permanent Acquisition

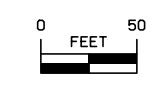


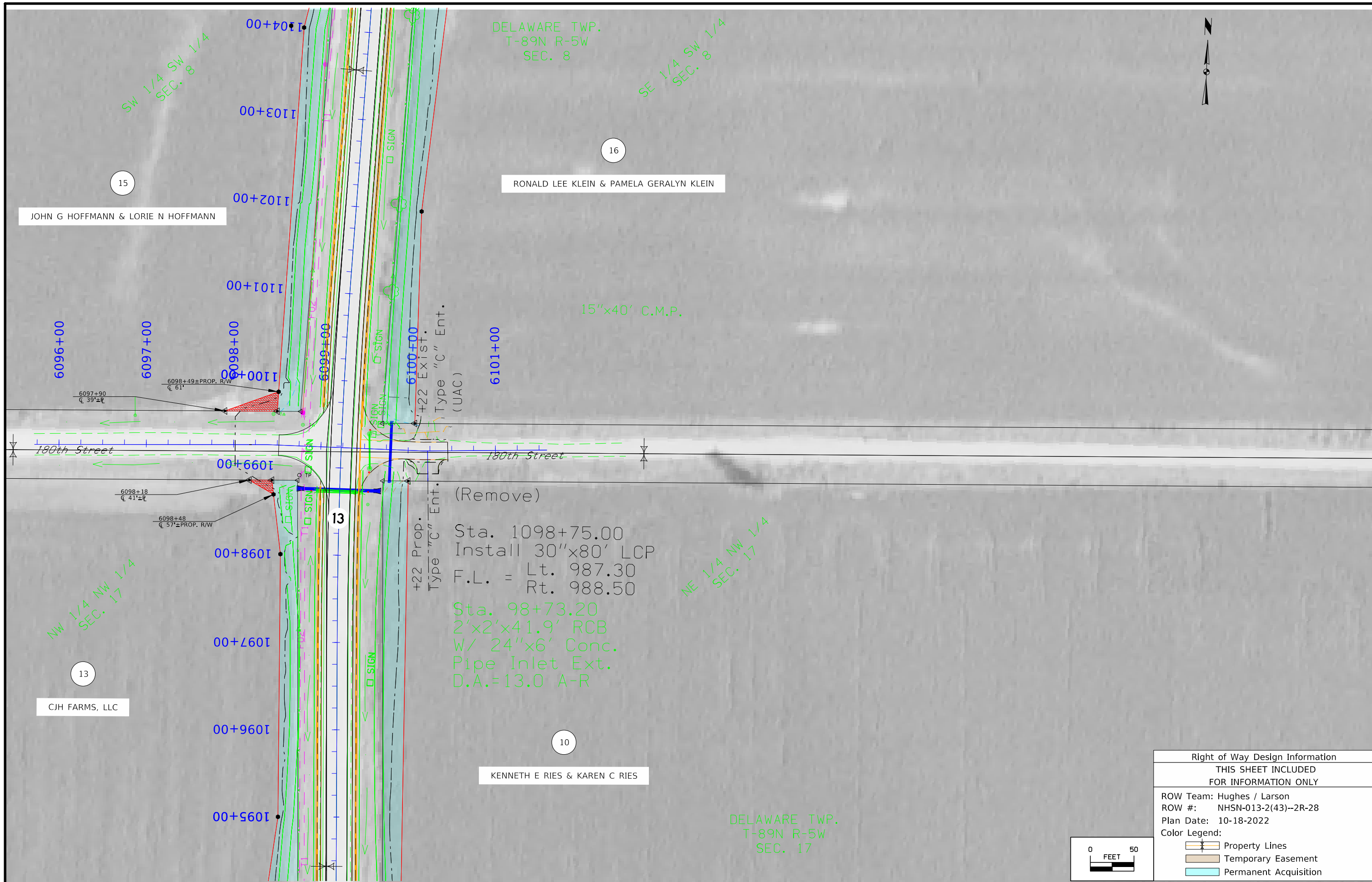


Right of Way Design Information
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 FOR INFORMATION ONLY

ROW Team: Hughes / Larson
 ROW #: NHSN-013-3(43)--2R-28
 Plan Date: 10-25-2022
 Color Legend:

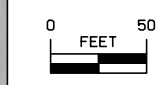
- Property Lines
- Temporary Easement
- Permanent Acquisition





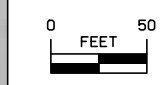
+22 Prop. Type "C" Ent. (Remove)
 Sta. 1098+75.00
 Install 30"x80' LCP
 F.L. = Lt. 987.30
 Rt. 988.50
 Sta. 98+73.20
 2'x2'x41.9' RCB
 W/ 24"x6' Conc.
 Pipe Inlet Ext.
 D.A.=13.0 A-R

Right of Way Design Information	
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ROW Team: Hughes / Larson	
ROW #: NHSN-013-2(43)--2R-28	
Plan Date: 10-18-2022	
Color Legend:	
	Property Lines
	Temporary Easement
	Permanent Acquisition





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ROW #: NHSN-013-2(43)--2R-28	
Plan Date: 10-18-2022	
Color Legend:	
	Property Lines
	Temporary Easement
	Permanent Acquisition

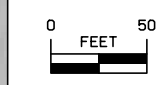


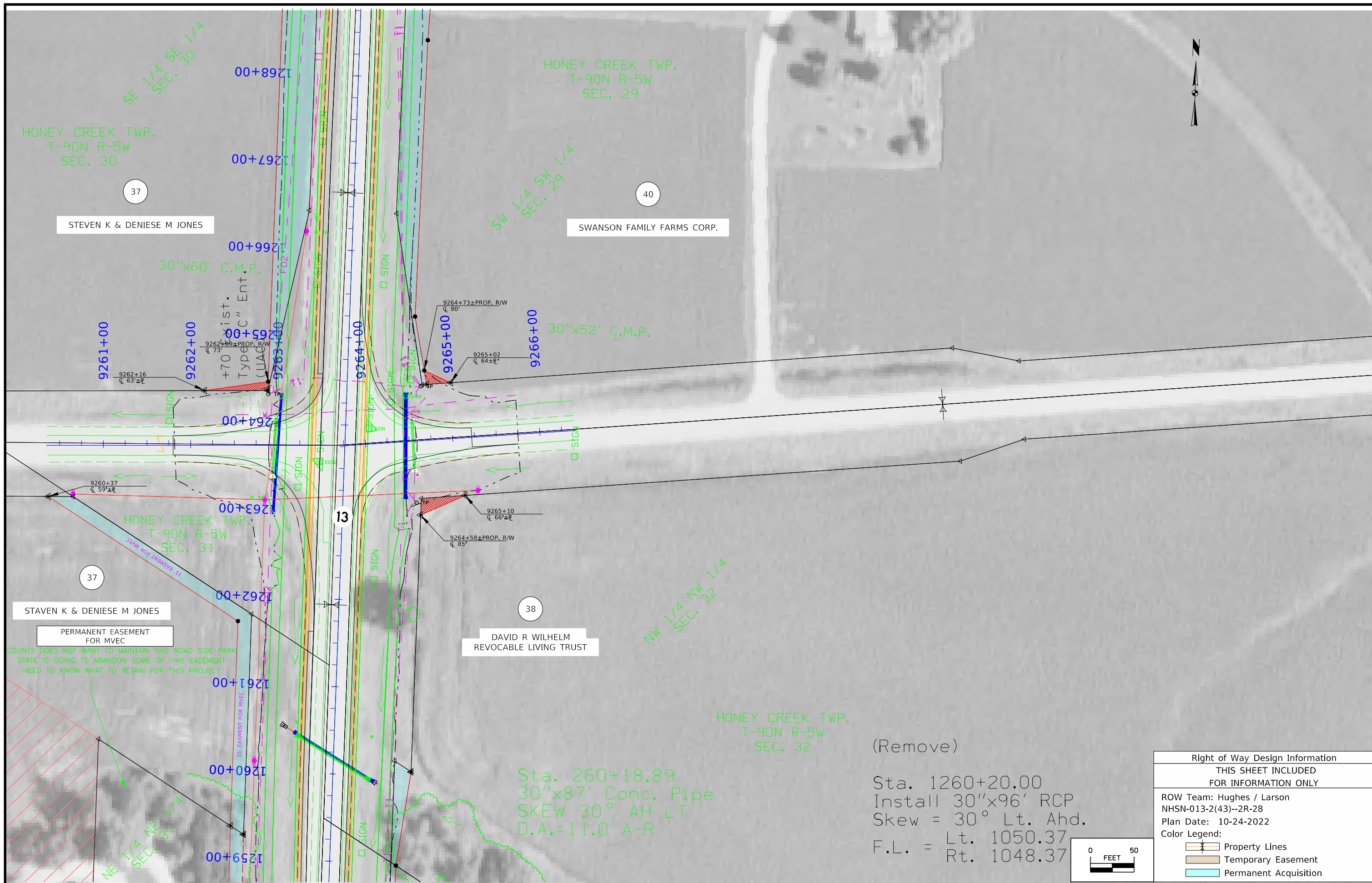


(Remove)
 Sta. 1240+25.00
 Install 30"x90' RCP
 F.L. = Lt. 1025.93
 Rt. 1021.88

Sta. 240+23.52
 2'x2'x44.5' RCB
 W/ 30"x6' Conc.
 Pipe Outlet Ext.
 D.A.=6.0 A-R

Right of Way Design Information	
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ROW Team: Hughes / Larson	
ROW #: NHSN-013-2(43)--2R-28	
Plan Date: 10/24/2022	
Color Legend:	
	Property Lines
	Temporary Easement
	Permanent Acquisition

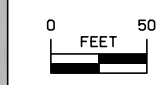




PERMANENT EASEMENT FOR MVEC
 COUNTY DOES NOT WANT TO MAINTAIN THIS ROAD SIDE PARK STATE IS GOING TO ABANDON SOME OF THIS EASEMENT NEED TO KNOW WHAT TO RETAIN FOR THIS PROJECT

Sta. 260+18.89
 30"x87' Conc. Pipe
 SKEW 30° AH LT
 D.A.=11.0 A-R

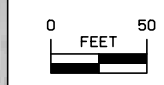
(Remove)
 Sta. 1260+20.00
 Install 30"x96' RCP
 Skew = 30° Lt. Ahd.
 F.L. = Lt. 1050.37
 Rt. 1048.37



Right of Way Design Information	
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ROW Team: Hughes / Larson NHSN-013-2(43)--2R-28 Plan Date: 10-24-2022	
Color Legend:	
	Property Lines
	Temporary Easement
	Permanent Acquisition



Right of Way Design Information	
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ROW Team: Hughes / Larson	
ROW #: NHSN-013-2(43)--2R-28	
Plan Date: 10-18-2021	
Color Legend:	
	Property Lines
	Temporary Easement
	Permanent Acquisition



Sta. 374+27.04
2'x2'x63.3' RCB
D.A.=17.0 A-R

(Remove)
Sta. 1374+25.00
Install 30"x124' RCP
F.L. = Lt. 1086.47
Rt. 1089.15



49

D & C HOLTZ FARM, LLC

50

CHAD JOSEPH & JACKIE ANN HOLTZ

PERMANENT EASEMENT
FOR MVEC

HONEY CREEK TWP.
T-90N R-5W
SEC. 18

HONEY CREEK TWP.
T-90N R-5W
SEC. 17

SE 1/4 SE 1/4
SEC. 18 1/4

SW 1/4 SW 1/4
SEC. 17 1/4

130th Street

130th Street

12"x40' C.M.P.

48

THE DONALD E &
CATHERINE A KEPPLER LIVING TRUST

48

THE DONALD E & CATHERINE A KEPPLER LIVING TRUST

NE 1/4 NE 1/4
SEC. 19 1/4

NW 1/4 NW 1/4
SEC. 20 1/4

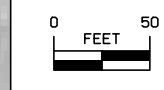
HONEY CREEK TWP.
T-90N R-5W
SEC. 19

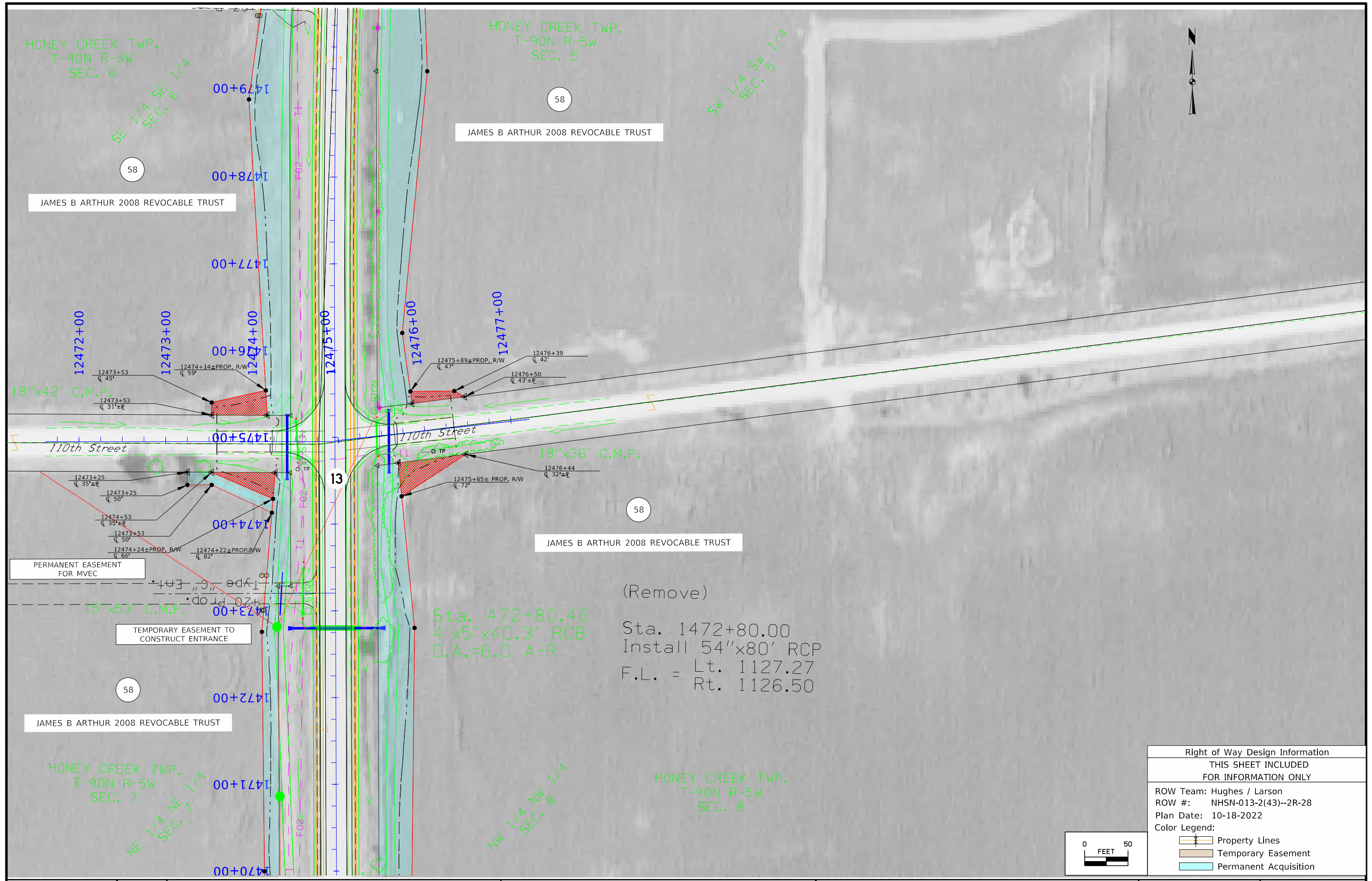
HONEY CREEK TWP.
T-90N R-5W
SEC. 20

Right of Way Design Information
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FOR INFORMATION ONLY

ROW Team: Hughes / Larson
ROW #: NHNS-013-2943)--2R-28
Plan Date: 10-18-22

Color Legend:
Property Lines
Temporary Easement
Permanent Acquisition





HONEY CREEK TWP.
T-90N R-5W
SEC. 6

HONEY CREEK TWP.
T-90N R-5W
SEC. 5

SW 1/4 SW 1/4
SEC. 5

HONEY CREEK TWP.
T-90N R-5W
SEC. 7

NW 1/4 NW 1/4
SEC. 8

HONEY CREEK TWP.
T-90N R-5W
SEC. 8

JAMES B ARTHUR 2008 REVOCABLE TRUST

JAMES B ARTHUR 2008 REVOCABLE TRUST

JAMES B ARTHUR 2008 REVOCABLE TRUST

JAMES B ARTHUR 2008 REVOCABLE TRUST

18"x42' C.M.P.

18"x36' C.M.P.

15"x53' C.M.P.

Sta. 472+80.46
4'x5'x40.3' RCB
D.A.=6.0 A-R

(Remove)
Sta. 1472+80.00
Install 54"x80' RCP
F.L. = Lt. 1127.27
Rt. 1126.50

PERMANENT EASEMENT
FOR MVEC

TEMPORARY EASEMENT TO
CONSTRUCT ENTRANCE

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ROW Team: Hughes / Larson
ROW #: NHSN-013-2(43)--2R-28
Plan Date: 10-18-2022

Color Legend:
 Property Lines
 Temporary Easement
 Permanent Acquisition

