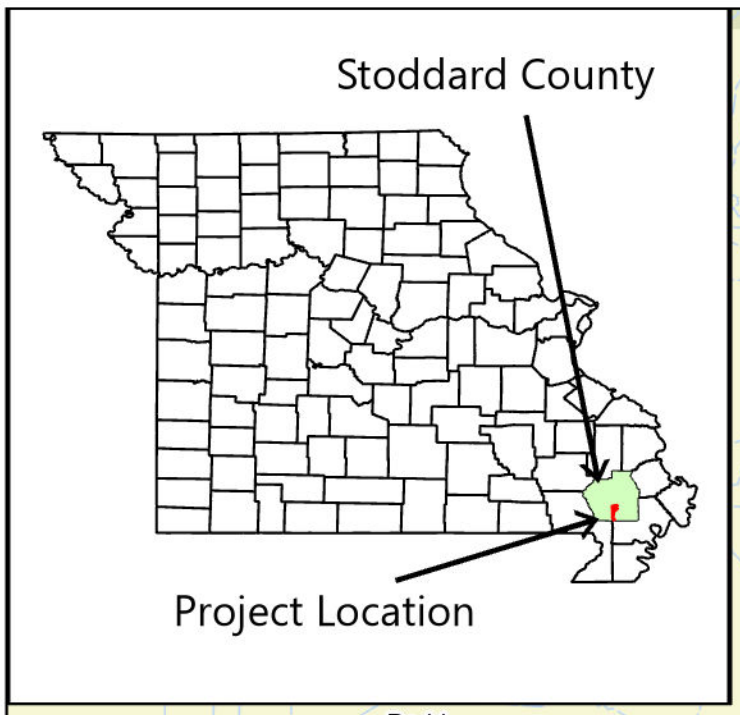


N

Avert
Castor
Clines Island
Birds
Bloomfield
Idalia
Circle City
Holly Ridge Conservation Area
Redd
State Highway 25
US Highway 60
Grayridge
Essex
Dexter
Dudley
Stoddard
114
State Highway 153
Bal
Marco
Hills Store
153
Bunker Hill
Elk
Berrie
Powe
Cyrus
Shreve
Maulsby
Townley
Bethany
Lorwood
Parma
25
Valley Ridge
Malden
US Highway 62
W US Highway 62
Risco
62
0
2
Miles

Legend

- Project Area
- HUC 12 Watershed Boundary
- Stoddard County

USDA NRCS
United States Department of Agriculture
Natural Resources Conservation Service

CONSERVATIONWORKS JOINT VENTURE

Project Location

Main Ditch
Watershed Plan
Stoddard County, Missouri

PROJECT NO. 70014.24

DATE 12/12/2025

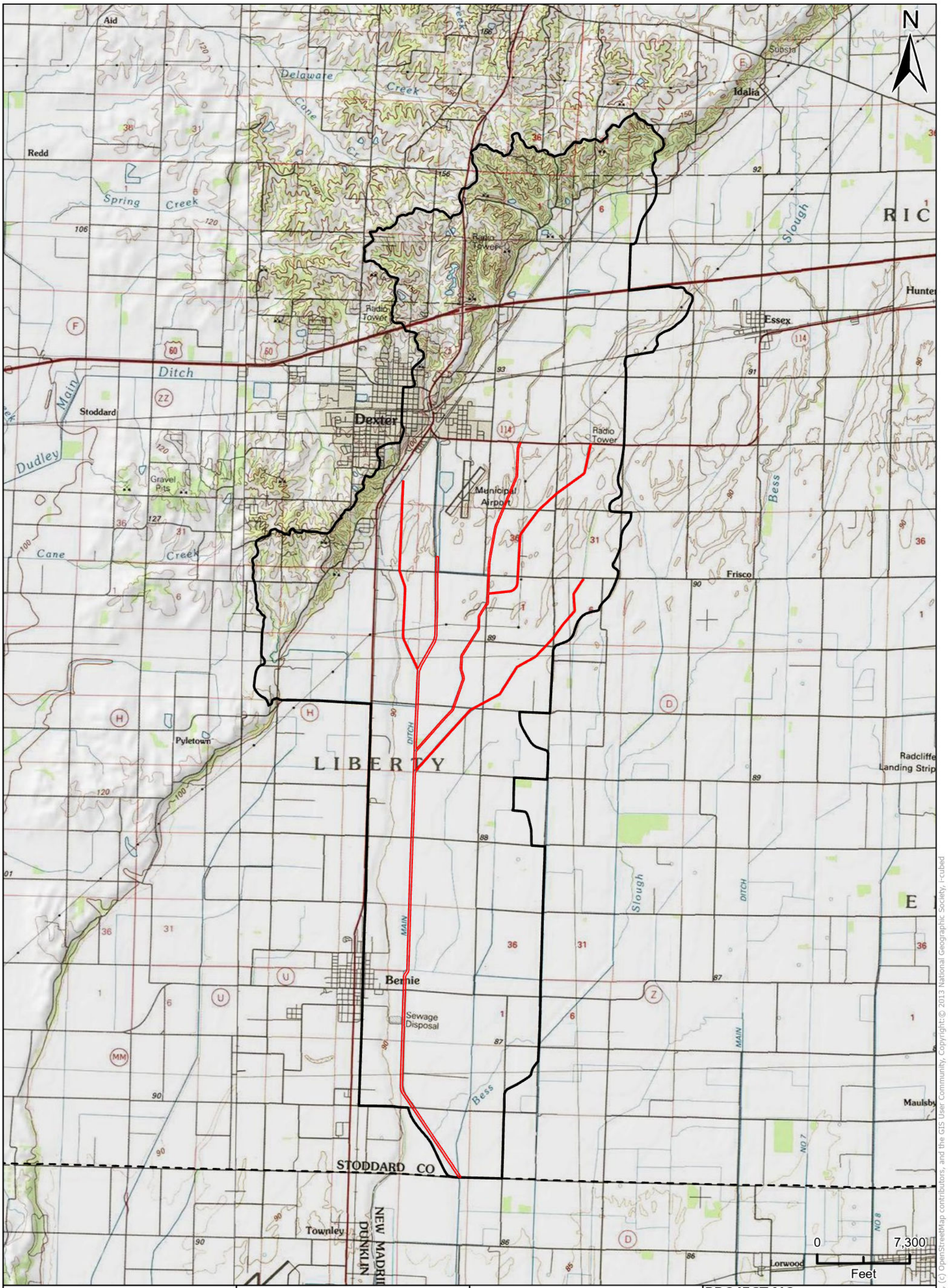
DRAWN BY: LHN

REVIEWED BY: IJM

Figure 1

Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community

Scale: 1:120,000



Legend

- Project Area
- HUC 12 Watershed Boundary
- Stoddard County

USDA NRCS
United States Department of Agriculture
Natural Resources Conservation Service

CONSERVATIONWORKS JOINT VENTURE

USGS Topography

Main Ditch Watershed Plan
Stoddard County, Missouri

PROJECT NO.	70014.24
DATE	12/12/2025
DRAWN BY:	LHN
REVIEWED BY:	IJM

Figure 2

Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Copyright:© 2013 National Geographic Society, i-cubed

Scale: 1:86,000

N

Southern Mississippi Valley Loess

Southern Mississippi River Alluvium

0 7,200
Feet

Legend

- Project Area
- HUC 12 Watershed Boundary
- Stoddard County
- Mississippi Delta Cotton and Feed Grains Region
- South Atlantic and Gulf Slope Cash Crops, Forest, and Livestock Region

USDA NRCS
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Natural Resources Conservation Service

CONSERVATIONWORKS JOINT VENTURE

USGS Major Land Resource Areas

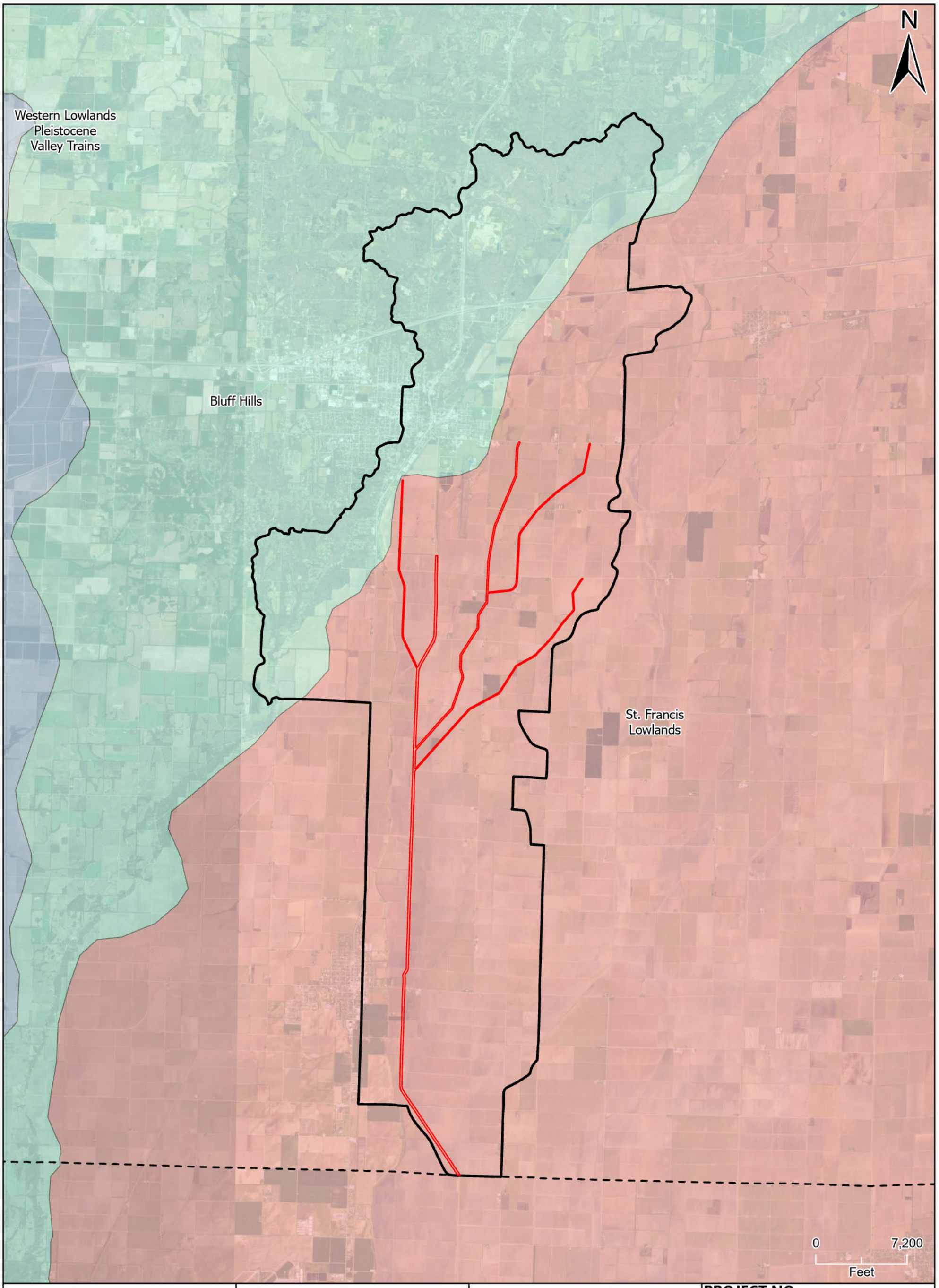
Main Ditch Watershed Plan
Stoddard County, Missouri

PROJECT NO.	
70014.24	
DATE	
12/12/2025	
DRAWN BY:	REVIEWED BY:
LHN	IJM

Figure 3

State of Missouri, Earthstar Geographics

Scale: 1:86,000



Legend

- Project Area
- HUC 12 Watershed Boundary
- Stoddard County
- Bluff Hills
- St. Francis Lowlands
- Western Lowlands Pleistocene Valley Trains

USDA NRCS
United States Department of Agriculture
Natural Resources Conservation Service

CONSERVATIONWORKS JOINT VENTURE

Level IV Ecoregions

Main Ditch Watershed Plan
Stoddard County, Missouri

PROJECT NO.	70014.24
DATE	12/12/2025
DRAWN BY:	LHN
REVIEWED BY:	IJM

Figure 4

State of Missouri, Earthstar Geographics

Scale: 1:86,000

N

0 1.5
Miles

Legend

- Project Area
- HUC 12 Watershed Boundary
- Stoddard County
- Open Water
- Developed, Open Space
- Developed, Low Intensity
- Developed, Medium Intensity
- Develeoped, High Intensity
- Barren Land (Rock/ Sand/Clay)
- Deciduous Forest
- Evergreen Forest
- Mixed Forest
- Shrub/Scrub
- Grassland'Herbaceous
- Pasture/Hay
- Cultivated Crops
- Woody Wetlands
- Emergent Herbaceous Wetlands

USDA NRCS
United States Department of Agriculture
Natural Resources Conservation Service

CONSERVATIONWORKS JOINT VENTURE

MLRC 2024 Land Use

Main Ditch Watershed Plan
Stoddard County, Missouri

PROJECT NO. 70014.24

DATE 12/12/2025

DRAWN BY: LHN

REVIEWED BY: IJM

Figure 5

State of Missouri, Earthstar Geographics

Scale: 1:86,000

N

0 1,000
Feet

Legend

- Project Area
- HUC 12 Watershed Boundary
- Stoddard County
- Developed, Open Space
- Developed, Low Intensity
- Cultivated Crops
- Woody Wetlands

USDA NRCS
United States Department of Agriculture
Natural Resources Conservation Service

CONSERVATIONWORKS JOINT VENTURE

MLRC 2024 Land Use

Main Ditch Watershed Plan
Stoddard County, Missouri

PROJECT NO. 70014.24

DATE 2/3/2026

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LHN	IJM

Figure 5a

State of Missouri, Vantor

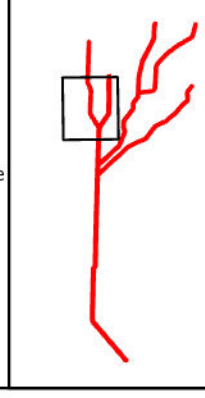
Scale: 1:9,000

N

0 1,000
Feet

Legend

- Project Area
- HUC 12 Watershed Boundary
- Stoddard County
- Developed, Open Space
- Developed, Low Intensity
- Cultivated Crops



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CONSERVATIONWORKS JOINT VENTURE

MLRC 2024
Land Use

Main Ditch Watershed Plan
Stoddard County, Missouri

PROJECT NO.	
70014.24	
DATE	
2/3/2026	
DRAWN BY:	REVIEWED BY:
LHN	IJM

Figure 5b

State of Missouri, Vantor

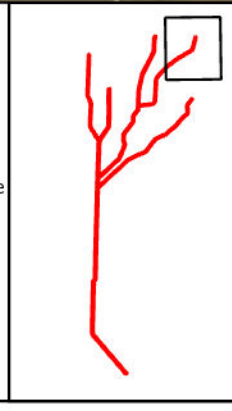
Scale: 1:9,000

N

0 1,000
Feet

Legend

- Project Area
- HUC 12 Watershed Boundary
- Stoddard County
- Developed, Open Space
- Developed, Low Intensity
- Cultivated Crops



USDA NRCS
United States Department of Agriculture
Natural Resources Conservation Service

CONSERVATIONWORKS JOINT VENTURE

MLRC 2024 Land Use

Main Ditch Watershed Plan
Stoddard County, Missouri

PROJECT NO.	
70014.24	
DATE	
2/3/2026	
DRAWN BY:	REVIEWED BY:
LHN	IJM

Figure 5c

State of Missouri, Vantor

Scale: 1:9,000

N

0 1,000
Feet

Legend

- Project Area
- HUC 12 Watershed Boundary
- Stoddard County
- Developed, Open Space
- Developed, Low Intensity
- Cultivated Crops
- Woody Wetlands

USDA NRCS
United States Department of Agriculture
Natural Resources Conservation Service

CONSERVATIONWORKS JOINT VENTURE

MLRC 2024 Land Use

Main Ditch Watershed Plan
Stoddard County, Missouri

PROJECT NO. 70014.24

DATE 2/3/2026

DRAWN BY:	REVIEWED BY:
LHN	IJM

Figure 5d

State of Missouri, Vantor

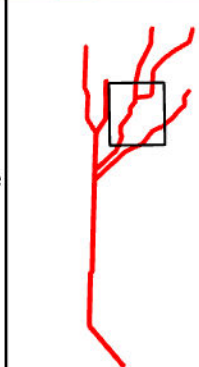
Scale: 1:9,000

N

0 1,000
Feet

Legend

- Project Area
- HUC 12 Watershed Boundary
- Stoddard County
- Developed, Open Space
- Developed, Low Intensity
- Cultivated Crops
- Woody Wetlands



USDA NRCS
United States Department of Agriculture
Natural Resources Conservation Service

CONSERVATIONWORKS JOINT VENTURE

MLRC 2024 Land Use

Main Ditch Watershed Plan
Stoddard County, Missouri

PROJECT NO. 70014.24

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Figure 5e

State of Missouri, Vantor

Scale: 1:9,000

N

0 1,000
Feet

Legend

- Project Area
- HUC 12 Watershed Boundary
- Stoddard County
- Developed, Open Space
- Developed, Low Intensity
- Cultivated Crops
- Woody Wetlands

USDA NRCS
United States Department of Agriculture
Natural Resources Conservation Service

CONSERVATIONWORKS JOINT VENTURE

MLRC 2024 Land Use

Main Ditch Watershed Plan
Stoddard County, Missouri

PROJECT NO. 70014.24

DATE 2/3/2026

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Figure 5f

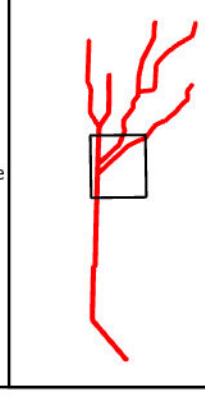
State of Missouri, Vantor

Scale: 1:9,000



Legend

- Project Area
- HUC 12 Watershed Boundary
- Stoddard County
- Developed, Open Space
- Developed, Low Intensity
- Cultivated Crops
- Woody Wetlands



USDA NRCS
United States Department of Agriculture
Natural Resources Conservation Service

CONSERVATIONWORKS JOINT VENTURE

MLRC 2024
Land Use

Main Ditch Watershed Plan
Stoddard County, Missouri

PROJECT NO. 70014.24

DATE 2/3/2026

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Figure 5g

State of Missouri, Vantor

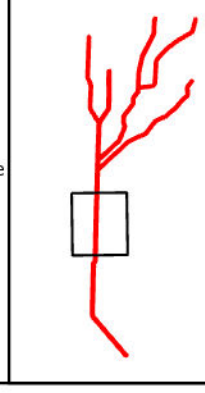
Scale: 1:9,000

N

0 1,000
Feet

Legend

- Project Area
- HUC 12 Watershed Boundary
- Stoddard County
- Developed, Open Space
- Developed, Low Intensity
- Cultivated Crops



USDA NRCS
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Natural Resources Conservation Service

CONSERVATIONWORKS JOINT VENTURE

MLRC 2024 Land Use

Main Ditch Watershed Plan
Stoddard County, Missouri

PROJECT NO. 70014.24

DATE 2/3/2026

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LHN	IJM

Figure 5h

State of Missouri, Vantor

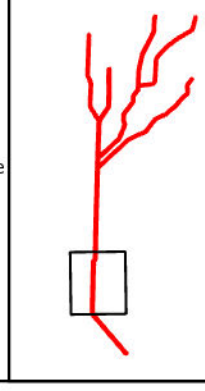
Scale: 1:9,000

N

0 1,000
Feet

Legend

- Project Area
- HUC 12 Watershed Boundary
- Stoddard County
- Developed, Open Space
- Developed, Low Intensity
- Cultivated Crops



USDA NRCS
United States Department of Agriculture
Natural Resources Conservation Service

CONSERVATIONWORKS JOINT VENTURE

MLRC 2024 Land Use

Main Ditch Watershed Plan
Stoddard County, Missouri

PROJECT NO. 70014.24

DATE 2/3/2026

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Figure 5i

State of Missouri, Vantor

Scale: 1:9,000

N

0 1,000
Feet

Legend

- Project Area
- HUC 12 Watershed Boundary
- Stoddard County
- Developed, Open Space
- Developed, Low Intensity
- Cultivated Crops

USDA NRCS
United States Department of Agriculture
Natural Resources Conservation Service

CONSERVATIONWORKS JOINT VENTURE

MLRC 2024 Land Use

Main Ditch Watershed Plan
Stoddard County, Missouri

PROJECT NO. 70014.24

DATE 2/3/2026

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LHN	IJM

Figure 5j

State of Missouri, Vantor

Scale: 1:9,000

Map Unit Symbol	Map Unit Name	Hydric Rating	Prime Farmland	Acres in ROW	% of ROW
82012	Amagon silt loam, 0 to 1 percent slopes, rarely flooded	88	Prime farmland if drained	4.1	1.1
82043	Farrenburg fine sandy loam, 0 to 1 percent slopes, rarely flooded	3	All areas are prime farmland	3.5	0.9
82050	Lilbourn fine sandy loam, 0 to 1 percent slopes	100	Prime farmland if drained	0.1	0
82058	Wardell loam, 0 to 1 percent slopes, rarely flooded	100	Prime farmland if drained	12.1	3.1
82082	Lilbourn fine sandy loam, 0 to 1 percent slopes, rarely flooded	100	Prime farmland if drained	24.7	6.3
82084	Broseley loamy fine sand, 0 to 5 percent slopes, rarely flooded	0	All areas are prime farmland	0	0
82094	Dundee loam, 0 to 1 percent slopes, rarely flooded	10	Prime farmland if drained	14.1	3.6
86004	Forestdale silty clay loam, 0 to 1 percent slopes, occasionally flooded	100	Prime farmland if drained	17.5	4.5
86015	Commerce silt loam, 0 to 1 percent slopes, rarely flooded	3	Prime farmland if drained	1.5	0.4
86030	Gideon loam, 0 to 1 percent slopes, occasionally flooded	100	Prime farmland if drained	136.6	35
86038	Mhoon silt loam, 0 to 1 percent slopes, occasionally flooded	100	Prime farmland if drained	32.9	8.4
86047	Roellen silty clay loam, 0 to 1 percent slopes, occasionally flooded	100	Prime farmland if drained	105.8	27.1
86054	Sharkey silty clay loam, 0 to 1 percent slopes, occasionally flooded	100	Prime farmland if drained	8.1	2.1
86062	Sikeston loam, 0 to 1 percent slopes, occasionally flooded	90	Prime farmland if drained	24.8	6.3
86069	Tuckerman fine sandy loam, 0 to 1 percent slopes, rarely flooded	91	Prime farmland if drained	2	0.5
86127	Commerce silty clay loam, 0 to 1 percent slopes, occasionally flooded	10	Prime farmland if drained	2.7	0.7
99003	Miscellaneous water	0	Not prime farmland	0	0



Legend

- Project Area
- HUC 12 Watershed Boundary
- Stoddard County
- Not prime farmland
- Prime farmland if drained
- All areas are prime farmland
- Farmland of statewide importance

USDA NRCS
United States Department of Agriculture
Natural Resources Conservation Service

CONSERVATIONWORKS JOINT VENTURE

NRCS Web Soil Survey

Main Ditch Watershed Plan
Stoddard County, Missouri

PROJECT NO. 70014.24

DATE 12/12/2025

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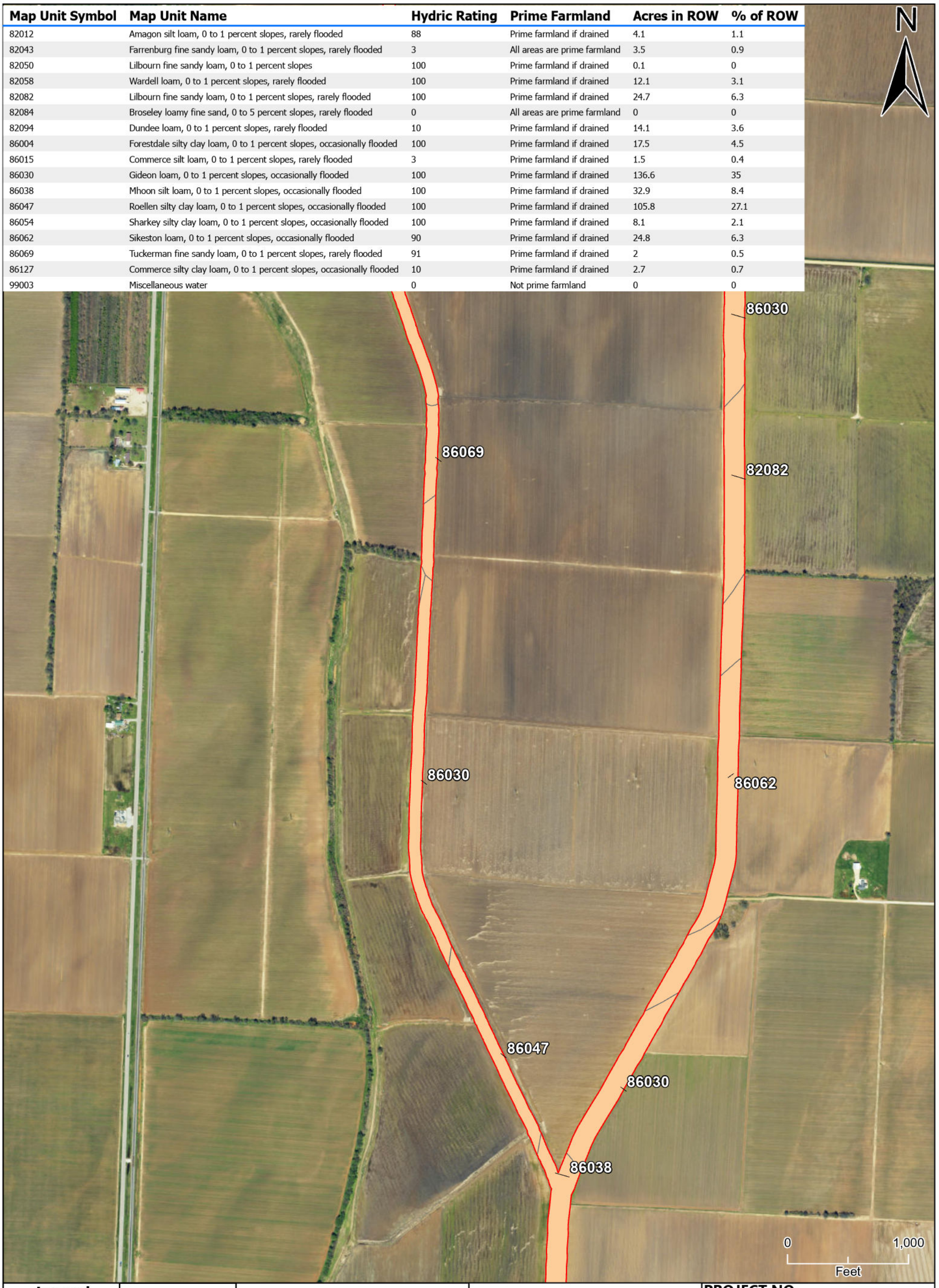
REVIEWED BY: IJM

Figure 6a

State of Missouri, Vantor

Scale: 1:9,000

Map Unit Symbol	Map Unit Name	Hydric Rating	Prime Farmland	Acres in ROW	% of ROW
82012	Amagon silt loam, 0 to 1 percent slopes, rarely flooded	88	Prime farmland if drained	4.1	1.1
82043	Farrenburg fine sandy loam, 0 to 1 percent slopes, rarely flooded	3	All areas are prime farmland	3.5	0.9
82050	Lilbourn fine sandy loam, 0 to 1 percent slopes	100	Prime farmland if drained	0.1	0
82058	Wardell loam, 0 to 1 percent slopes, rarely flooded	100	Prime farmland if drained	12.1	3.1
82082	Lilbourn fine sandy loam, 0 to 1 percent slopes, rarely flooded	100	Prime farmland if drained	24.7	6.3
82084	Broseley loamy fine sand, 0 to 5 percent slopes, rarely flooded	0	All areas are prime farmland	0	0
82094	Dundee loam, 0 to 1 percent slopes, rarely flooded	10	Prime farmland if drained	14.1	3.6
86004	Forestdale silty clay loam, 0 to 1 percent slopes, occasionally flooded	100	Prime farmland if drained	17.5	4.5
86015	Commerce silt loam, 0 to 1 percent slopes, rarely flooded	3	Prime farmland if drained	1.5	0.4
86030	Gideon loam, 0 to 1 percent slopes, occasionally flooded	100	Prime farmland if drained	136.6	35
86038	Mhoon silt loam, 0 to 1 percent slopes, occasionally flooded	100	Prime farmland if drained	32.9	8.4
86047	Roellen silty clay loam, 0 to 1 percent slopes, occasionally flooded	100	Prime farmland if drained	105.8	27.1
86054	Sharkey silty clay loam, 0 to 1 percent slopes, occasionally flooded	100	Prime farmland if drained	8.1	2.1
86062	Sikeston loam, 0 to 1 percent slopes, occasionally flooded	90	Prime farmland if drained	24.8	6.3
86069	Tuckerman fine sandy loam, 0 to 1 percent slopes, rarely flooded	91	Prime farmland if drained	2	0.5
86127	Commerce silty clay loam, 0 to 1 percent slopes, occasionally flooded	10	Prime farmland if drained	2.7	0.7
99003	Miscellaneous water	0	Not prime farmland	0	0



Legend

- Project Area
- HUC 12 Watershed Boundary
- Stoddard County
- Not prime farmland
- Prime farmland if drained
- All areas are prime farmland
- Farmland of statewide importance

USDA NRCS
United States Department of Agriculture
Natural Resources Conservation Service

CONSERVATIONWORKS JOINT VENTURE

NRCS Web Soil Survey

Main Ditch Watershed Plan
Stoddard County, Missouri

PROJECT NO. 70014.24

DATE 12/12/2025

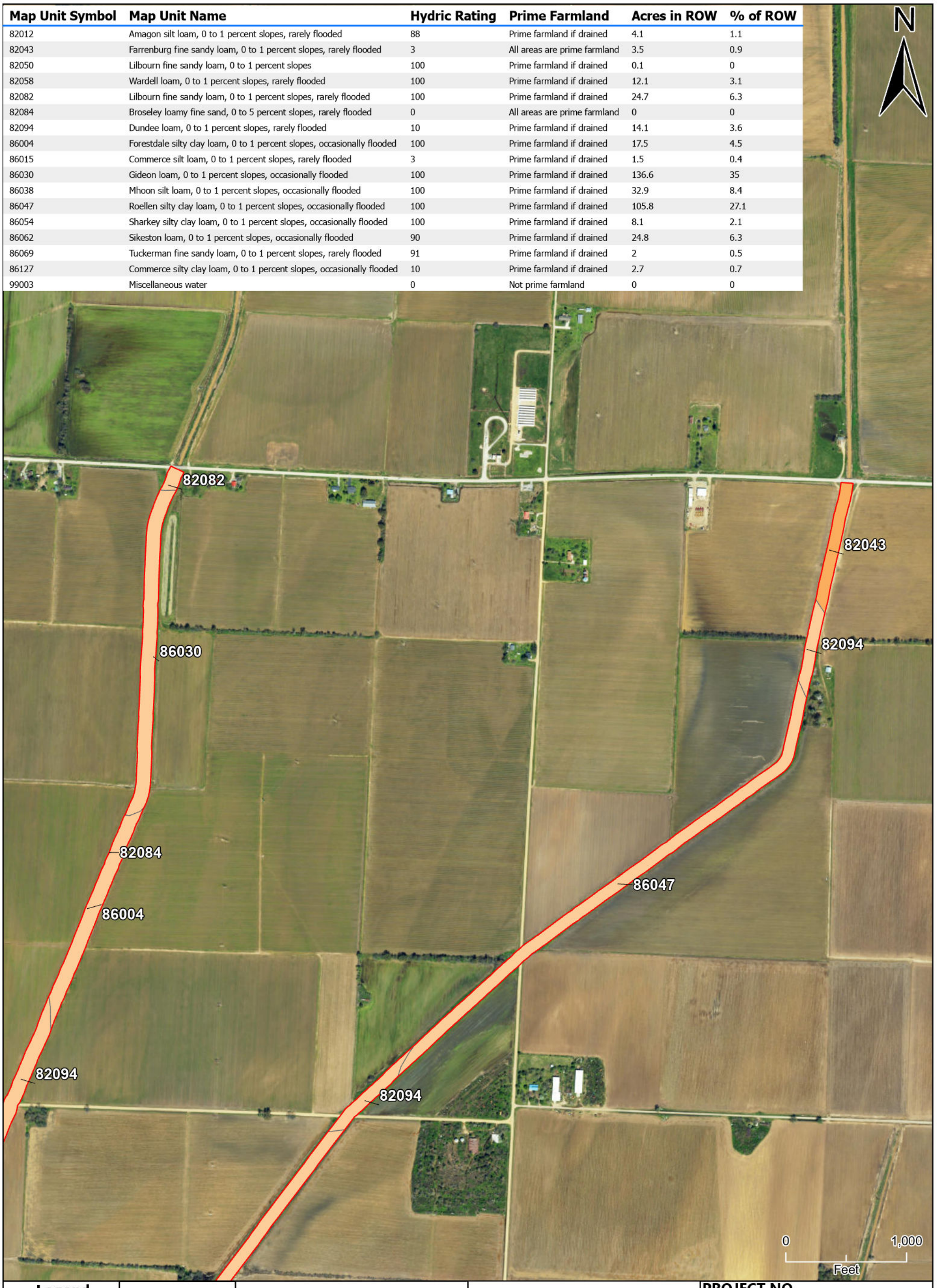
DRAWN BY:	REVIEWED BY:
LHN	IJM

Figure 6b

State of Missouri, Vantor

Scale: 1:9,000

Map Unit Symbol	Map Unit Name	Hydric Rating	Prime Farmland	Acres in ROW	% of ROW
82012	Amagon silt loam, 0 to 1 percent slopes, rarely flooded	88	Prime farmland if drained	4.1	1.1
82043	Farrenburg fine sandy loam, 0 to 1 percent slopes, rarely flooded	3	All areas are prime farmland	3.5	0.9
82050	Lilbourn fine sandy loam, 0 to 1 percent slopes	100	Prime farmland if drained	0.1	0
82058	Wardell loam, 0 to 1 percent slopes, rarely flooded	100	Prime farmland if drained	12.1	3.1
82082	Lilbourn fine sandy loam, 0 to 1 percent slopes, rarely flooded	100	Prime farmland if drained	24.7	6.3
82084	Broseley loamy fine sand, 0 to 5 percent slopes, rarely flooded	0	All areas are prime farmland	0	0
82094	Dundee loam, 0 to 1 percent slopes, rarely flooded	10	Prime farmland if drained	14.1	3.6
86004	Forestdale silty clay loam, 0 to 1 percent slopes, occasionally flooded	100	Prime farmland if drained	17.5	4.5
86015	Commerce silt loam, 0 to 1 percent slopes, rarely flooded	3	Prime farmland if drained	1.5	0.4
86030	Gideon loam, 0 to 1 percent slopes, occasionally flooded	100	Prime farmland if drained	136.6	35
86038	Mhoon silt loam, 0 to 1 percent slopes, occasionally flooded	100	Prime farmland if drained	32.9	8.4
86047	Roellen silty clay loam, 0 to 1 percent slopes, occasionally flooded	100	Prime farmland if drained	105.8	27.1
86054	Sharkey silty clay loam, 0 to 1 percent slopes, occasionally flooded	100	Prime farmland if drained	8.1	2.1
86062	Sikeston loam, 0 to 1 percent slopes, occasionally flooded	90	Prime farmland if drained	24.8	6.3
86069	Tuckerman fine sandy loam, 0 to 1 percent slopes, rarely flooded	91	Prime farmland if drained	2	0.5
86127	Commerce silty clay loam, 0 to 1 percent slopes, occasionally flooded	10	Prime farmland if drained	2.7	0.7
99003	Miscellaneous water	0	Not prime farmland	0	0



Legend

- Project Area
- HUC 12 Watershed Boundary
- Stoddard County
- Not prime farmland
- Prime farmland if drained
- All areas are prime farmland
- Farmland of statewide importance

USDA NRCS
United States Department of Agriculture
Natural Resources Conservation Service

CONSERVATIONWORKS JOINT VENTURE

NRCS Web Soil Survey

Main Ditch Watershed Plan
Stoddard County, Missouri

PROJECT NO. 70014.24

DATE 12/12/2025

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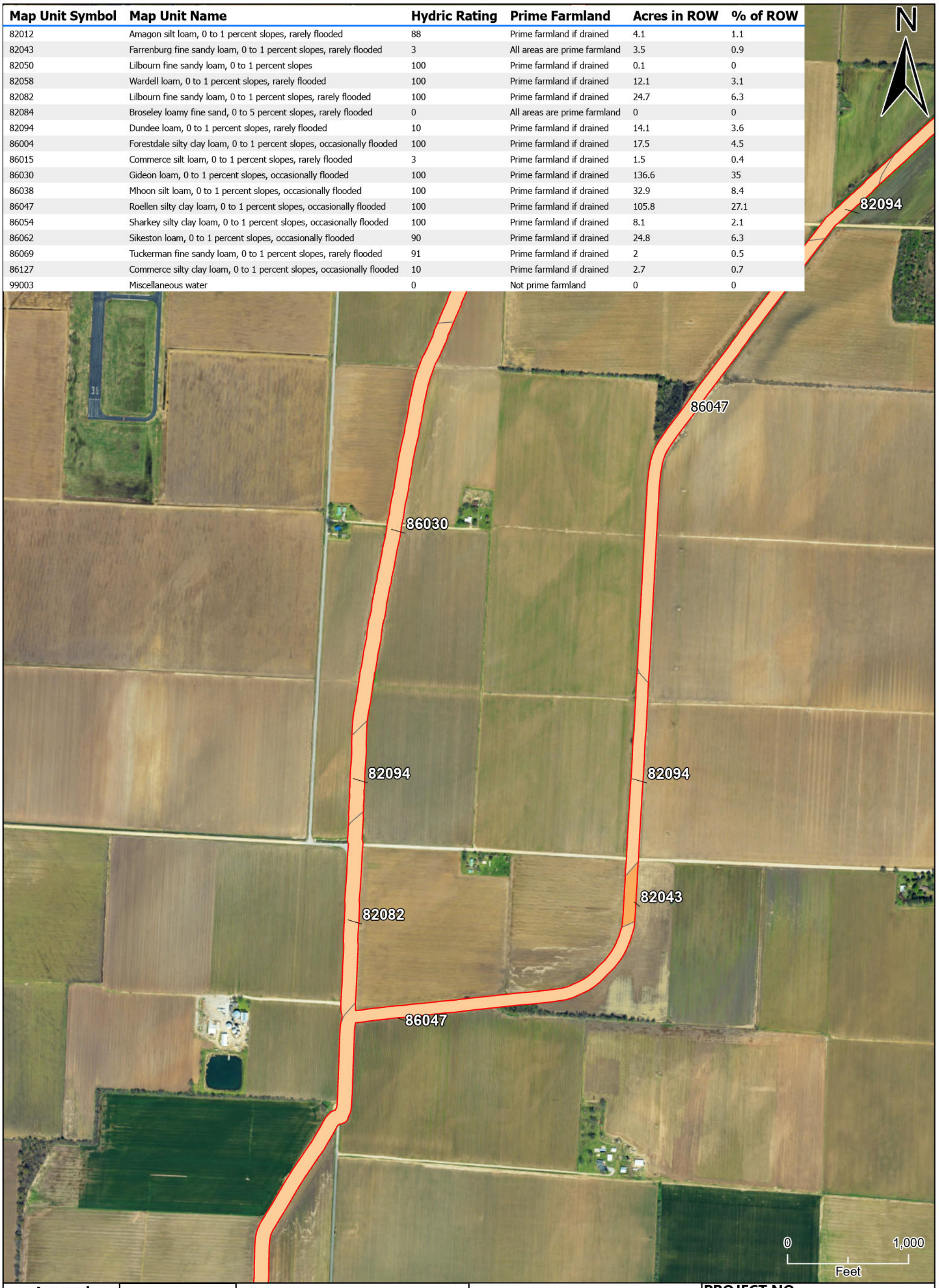
REVIEWED BY: IJM

Figure 6c

State of Missouri, Vantor

Scale: 1:9,000

Map Unit Symbol	Map Unit Name	Hydric Rating	Prime Farmland	Acres in ROW	% of ROW
82012	Amagon silt loam, 0 to 1 percent slopes, rarely flooded	88	Prime farmland if drained	4.1	1.1
82043	Farrenburg fine sandy loam, 0 to 1 percent slopes, rarely flooded	3	All areas are prime farmland	3.5	0.9
82050	Lilbourn fine sandy loam, 0 to 1 percent slopes	100	Prime farmland if drained	0.1	0
82058	Wardell loam, 0 to 1 percent slopes, rarely flooded	100	Prime farmland if drained	12.1	3.1
82082	Lilbourn fine sandy loam, 0 to 1 percent slopes, rarely flooded	100	Prime farmland if drained	24.7	6.3
82084	Broseley loamy fine sand, 0 to 5 percent slopes, rarely flooded	0	All areas are prime farmland	0	0
82094	Dundee loam, 0 to 1 percent slopes, rarely flooded	10	Prime farmland if drained	14.1	3.6
86004	Forestdale silty clay loam, 0 to 1 percent slopes, occasionally flooded	100	Prime farmland if drained	17.5	4.5
86015	Commerce silt loam, 0 to 1 percent slopes, rarely flooded	3	Prime farmland if drained	1.5	0.4
86030	Gideon loam, 0 to 1 percent slopes, occasionally flooded	100	Prime farmland if drained	136.6	35
86038	Mhoon silt loam, 0 to 1 percent slopes, occasionally flooded	100	Prime farmland if drained	32.9	8.4
86047	Roellen silty clay loam, 0 to 1 percent slopes, occasionally flooded	100	Prime farmland if drained	105.8	27.1
86054	Sharkey silty clay loam, 0 to 1 percent slopes, occasionally flooded	100	Prime farmland if drained	8.1	2.1
86062	Sikeston loam, 0 to 1 percent slopes, occasionally flooded	90	Prime farmland if drained	24.8	6.3
86069	Tuckerman fine sandy loam, 0 to 1 percent slopes, rarely flooded	91	Prime farmland if drained	2	0.5
86127	Commerce silty clay loam, 0 to 1 percent slopes, occasionally flooded	10	Prime farmland if drained	2.7	0.7
99003	Miscellaneous water	0	Not prime farmland	0	0



Legend

- Project Area
- HUC 12 Watershed Boundary
- Stoddard County
- Not prime farmland
- Prime farmland if drained
- All areas are prime farmland
- Farmland of statewide importance

USDA NRCS
United States Department of Agriculture
Natural Resources Conservation Service

CONSERVATIONWORKS JOINT VENTURE

NRCS Web Soil Survey

Main Ditch Watershed Plan
Stoddard County, Missouri

PROJECT NO. 70014.24

DATE 12/12/2025

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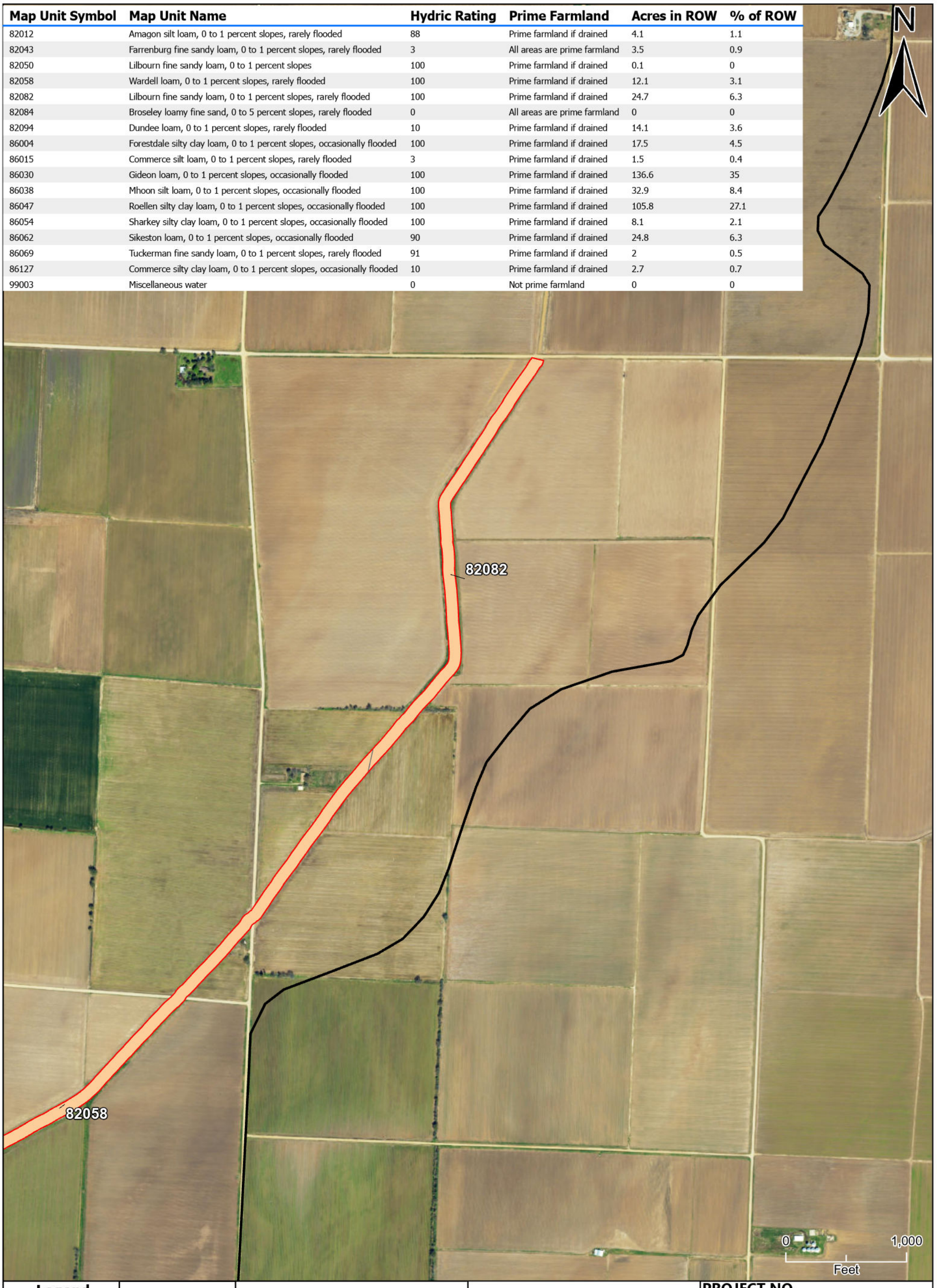
REVIEWED BY: IJM

Figure 6d

State of Missouri, Vantor

Scale: 1:9,000

Map Unit Symbol	Map Unit Name	Hydric Rating	Prime Farmland	Acres in ROW	% of ROW
82012	Amagon silt loam, 0 to 1 percent slopes, rarely flooded	88	Prime farmland if drained	4.1	1.1
82043	Farrenburg fine sandy loam, 0 to 1 percent slopes, rarely flooded	3	All areas are prime farmland	3.5	0.9
82050	Lilbourn fine sandy loam, 0 to 1 percent slopes	100	Prime farmland if drained	0.1	0
82058	Wardell loam, 0 to 1 percent slopes, rarely flooded	100	Prime farmland if drained	12.1	3.1
82082	Lilbourn fine sandy loam, 0 to 1 percent slopes, rarely flooded	100	Prime farmland if drained	24.7	6.3
82084	Broseley loamy fine sand, 0 to 5 percent slopes, rarely flooded	0	All areas are prime farmland	0	0
82094	Dundee loam, 0 to 1 percent slopes, rarely flooded	10	Prime farmland if drained	14.1	3.6
86004	Forestdale silty clay loam, 0 to 1 percent slopes, occasionally flooded	100	Prime farmland if drained	17.5	4.5
86015	Commerce silt loam, 0 to 1 percent slopes, rarely flooded	3	Prime farmland if drained	1.5	0.4
86030	Gideon loam, 0 to 1 percent slopes, occasionally flooded	100	Prime farmland if drained	136.6	35
86038	Mhoon silt loam, 0 to 1 percent slopes, occasionally flooded	100	Prime farmland if drained	32.9	8.4
86047	Roellen silty clay loam, 0 to 1 percent slopes, occasionally flooded	100	Prime farmland if drained	105.8	27.1
86054	Sharkey silty clay loam, 0 to 1 percent slopes, occasionally flooded	100	Prime farmland if drained	8.1	2.1
86062	Sikeston loam, 0 to 1 percent slopes, occasionally flooded	90	Prime farmland if drained	24.8	6.3
86069	Tuckerman fine sandy loam, 0 to 1 percent slopes, rarely flooded	91	Prime farmland if drained	2	0.5
86127	Commerce silty clay loam, 0 to 1 percent slopes, occasionally flooded	10	Prime farmland if drained	2.7	0.7
99003	Miscellaneous water	0	Not prime farmland	0	0



Legend

- Project Area
- HUC 12 Watershed Boundary
- Stoddard County
- Not prime farmland
- Prime farmland if drained
- All areas are prime farmland
- Farmland of statewide importance

United States Department of Agriculture
Natural Resources Conservation Service

CONSERVATIONWORKS JOINT VENTURE

NRCS Web Soil Survey

Main Ditch Watershed Plan
Stoddard County, Missouri

PROJECT NO. 70014.24

DATE 12/12/2025

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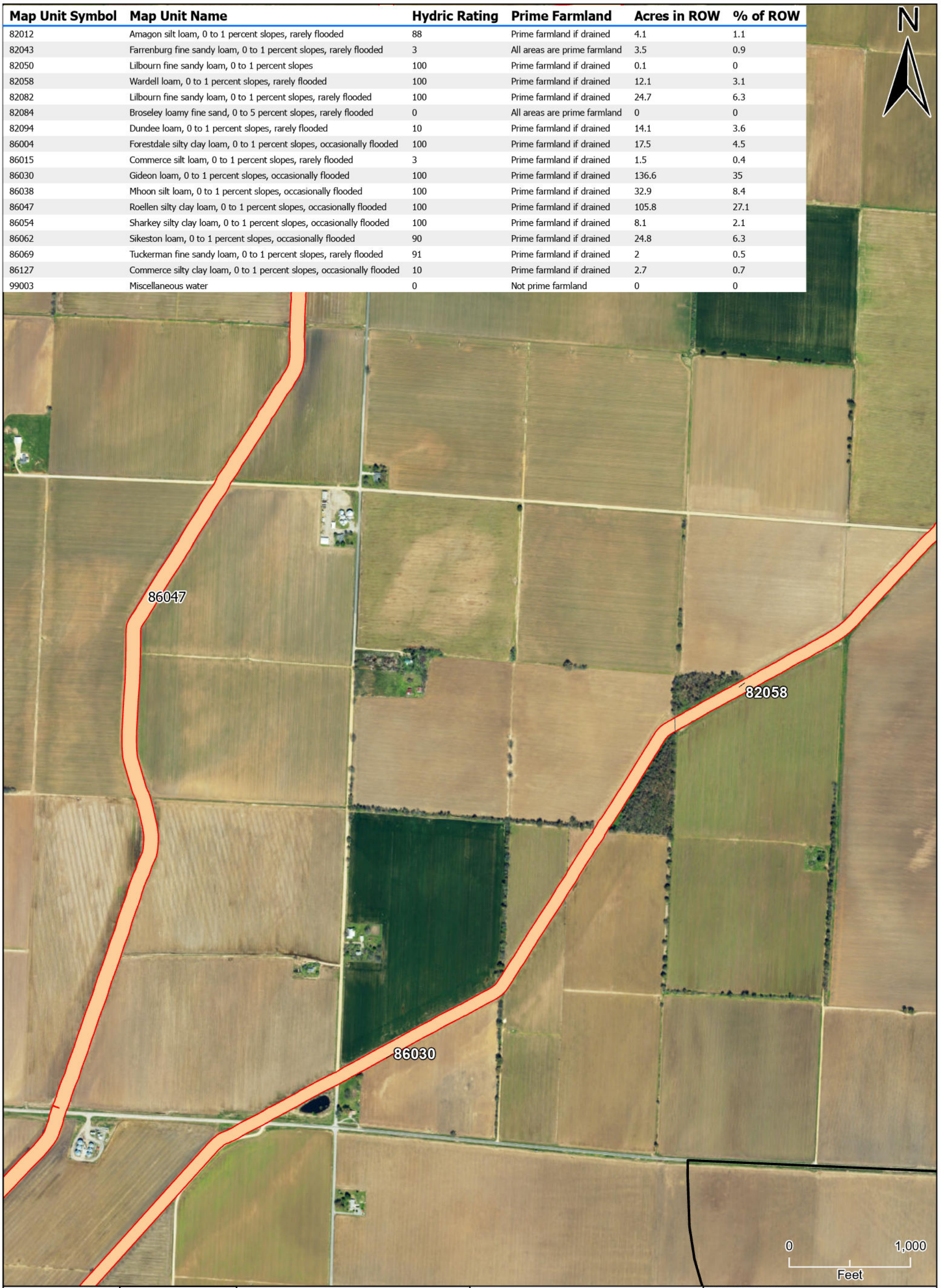
REVIEWED BY: IJM

Figure 6e

State of Missouri, Vantor

Scale: 1:9,000

Map Unit Symbol	Map Unit Name	Hydric Rating	Prime Farmland	Acres in ROW	% of ROW
82012	Amagon silt loam, 0 to 1 percent slopes, rarely flooded	88	Prime farmland if drained	4.1	1.1
82043	Farrenburg fine sandy loam, 0 to 1 percent slopes, rarely flooded	3	All areas are prime farmland	3.5	0.9
82050	Lilbourn fine sandy loam, 0 to 1 percent slopes	100	Prime farmland if drained	0.1	0
82058	Wardell loam, 0 to 1 percent slopes, rarely flooded	100	Prime farmland if drained	12.1	3.1
82082	Lilbourn fine sandy loam, 0 to 1 percent slopes, rarely flooded	100	Prime farmland if drained	24.7	6.3
82084	Broseley loamy fine sand, 0 to 5 percent slopes, rarely flooded	0	All areas are prime farmland	0	0
82094	Dundee loam, 0 to 1 percent slopes, rarely flooded	10	Prime farmland if drained	14.1	3.6
86004	Forestdale silty clay loam, 0 to 1 percent slopes, occasionally flooded	100	Prime farmland if drained	17.5	4.5
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86069	Tuckerman fine sandy loam, 0 to 1 percent slopes, rarely flooded	91	Prime farmland if drained	2	0.5
86127	Commerce silty clay loam, 0 to 1 percent slopes, occasionally flooded	10	Prime farmland if drained	2.7	0.7
99003	Miscellaneous water	0	Not prime farmland	0	0



Legend

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USDA NRCS
United States Department of Agriculture
Natural Resources Conservation Service

CONSERVATIONWORKS JOINT VENTURE

NRCS Web Soil Survey

Main Ditch Watershed Plan
Stoddard County, Missouri

PROJECT NO. 70014.24

DATE 12/12/2025

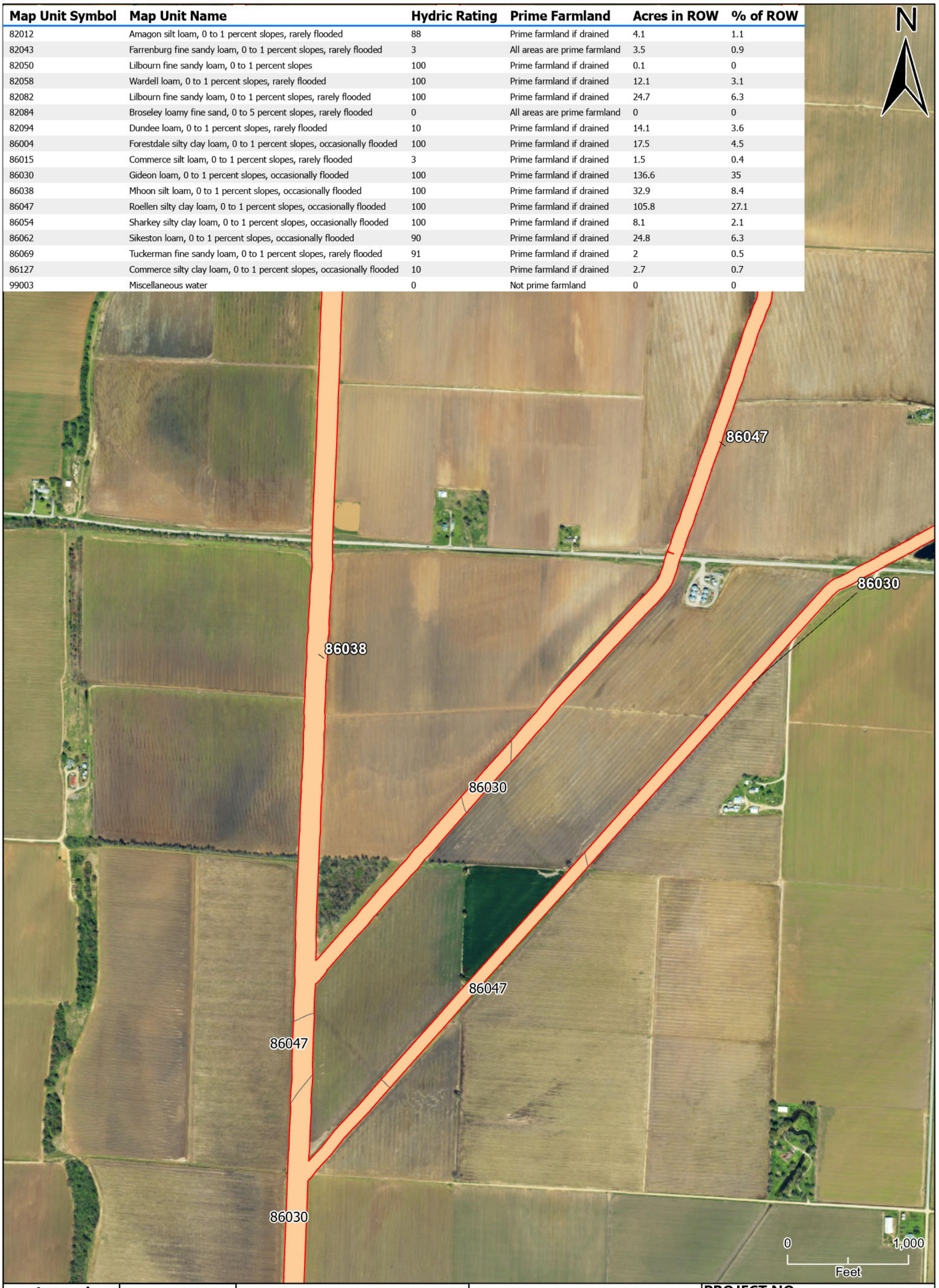
DRAWN BY:	REVIEWED BY:
LHN	IJM

Figure 6f

State of Missouri, Vantor

Scale: 1:9,000

Map Unit Symbol	Map Unit Name	Hydric Rating	Prime Farmland	Acres in ROW	% of ROW
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82084	Broseley loamy fine sand, 0 to 5 percent slopes, rarely flooded	0	All areas are prime farmland	0	0
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99003	Miscellaneous water	0	Not prime farmland	0	0



Legend

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USDA NRCS
United States Department of Agriculture
Natural Resources Conservation Service

CONSERVATIONWORKS JOINT VENTURE

NRCS Web Soil Survey

Main Ditch Watershed Plan
Stoddard County, Missouri

PROJECT NO. 70014.24

DATE 12/12/2025

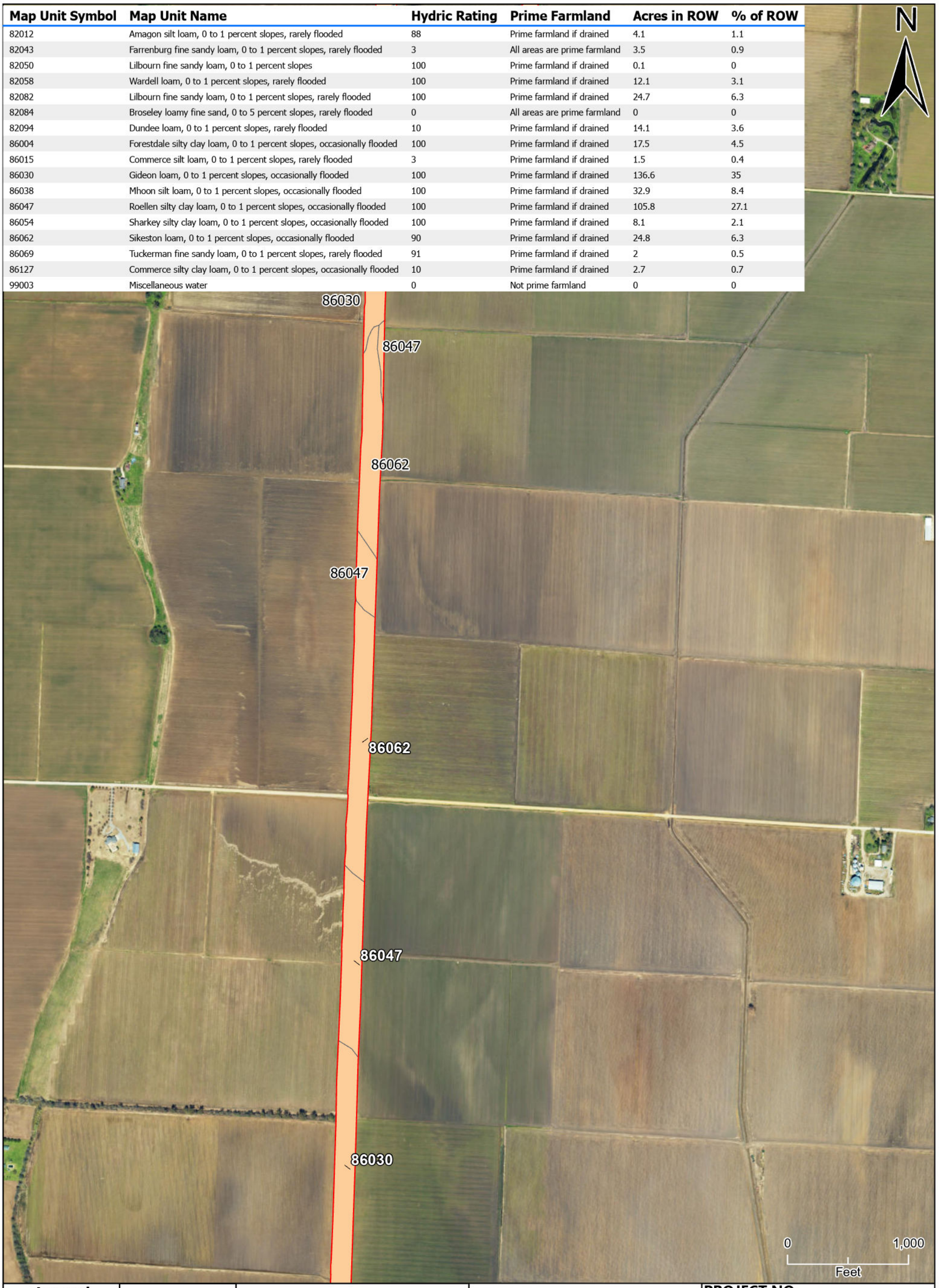
DRAWN BY:	REVIEWED BY:
LHN	IJM

Figure 6g

State of Missouri, Vantor

Scale: 1:9,000

Map Unit Symbol	Map Unit Name	Hydric Rating	Prime Farmland	Acres in ROW	% of ROW
82012	Amagon silt loam, 0 to 1 percent slopes, rarely flooded	88	Prime farmland if drained	4.1	1.1
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82084	Broseley loamy fine sand, 0 to 5 percent slopes, rarely flooded	0	All areas are prime farmland	0	0
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86127	Commerce silty clay loam, 0 to 1 percent slopes, occasionally flooded	10	Prime farmland if drained	2.7	0.7
99003	Miscellaneous water	0	Not prime farmland	0	0



Legend

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United States Department of Agriculture
Natural Resources Conservation Service

NRCS Web Soil Survey

Main Ditch Watershed Plan
Stoddard County, Missouri

PROJECT NO. 70014.24

DATE 12/12/2025

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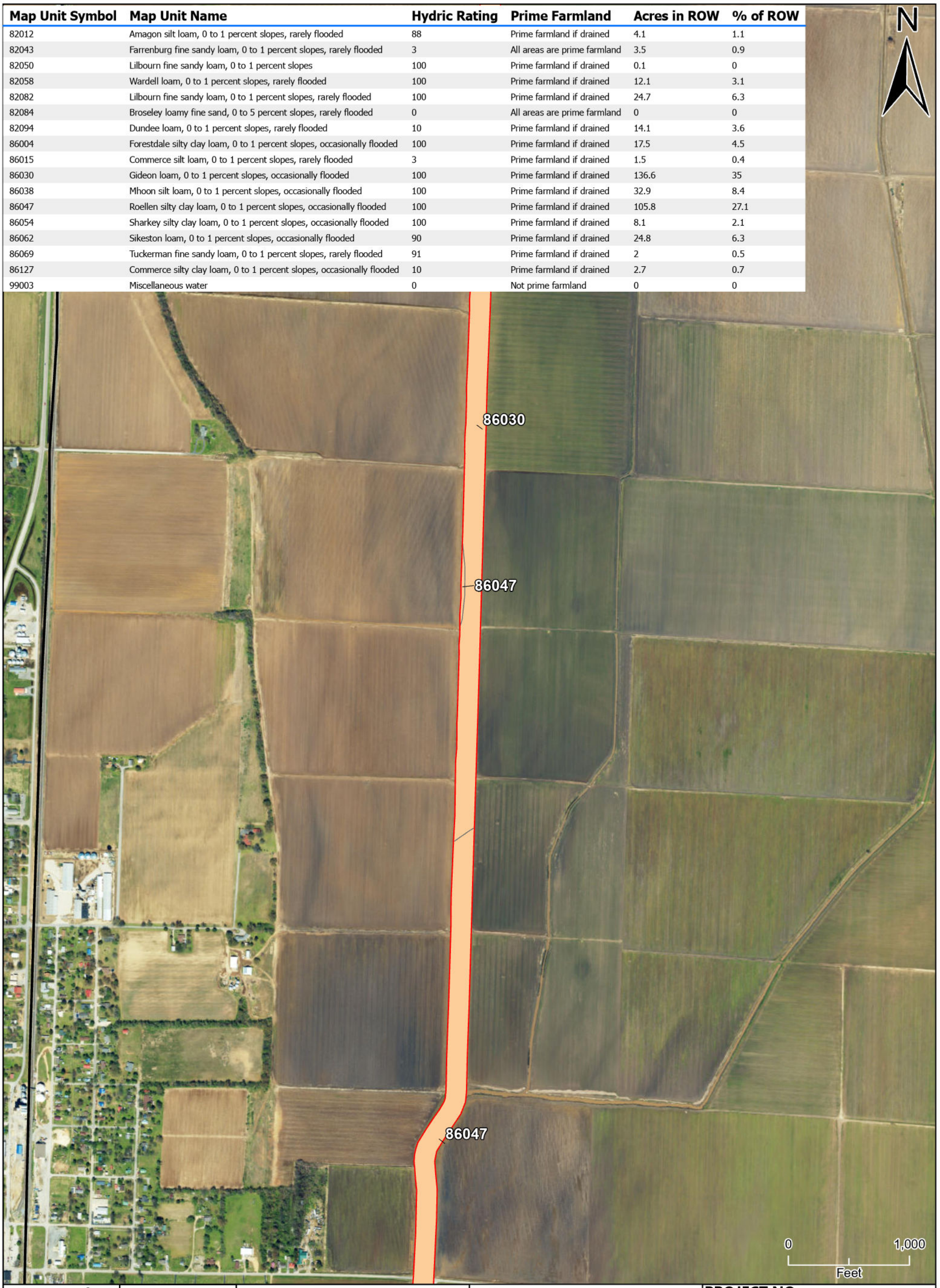
REVIEWED BY: IJM

Figure 6h

State of Missouri, Vantor

Scale: 1:9,000

Map Unit Symbol	Map Unit Name	Hydric Rating	Prime Farmland	Acres in ROW	% of ROW
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Legend

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United States Department of Agriculture
Natural Resources Conservation Service

CONSERVATIONWORKS JOINT VENTURE

NRCS Web Soil Survey

Main Ditch Watershed Plan
Stoddard County, Missouri

PROJECT NO. 70014.24

DATE 12/12/2025

DRAWN BY: LHN

REVIEWED BY: IJM

Figure 6i

State of Missouri, Vantor

Scale: 1:9,000

Map Unit Symbol	Map Unit Name	Hydric Rating	Prime Farmland	Acres in ROW	% of ROW
82012	Amagon silt loam, 0 to 1 percent slopes, rarely flooded	88	Prime farmland if drained	4.1	1.1
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Legend

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USDA NRCS
United States Department of Agriculture
Natural Resources Conservation Service

CONSERVATIONWORKS JOINT VENTURE

NRCS Web Soil Survey

Main Ditch Watershed Plan
Stoddard County, Missouri

PROJECT NO. 70014.24

DATE 12/12/2025

DRAWN BY: LHN

REVIEWED BY: IJM

Figure 6j

State of Missouri, Vantor

Scale: 1:9,000

Map Unit Symbol	Map Unit Name	Hydric Rating	Prime Farmland	Acres in ROW	% of ROW
82012	Amagon silt loam, 0 to 1 percent slopes, rarely flooded	88	Prime farmland if drained	4.1	1.1
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82050	Lilbourn fine sandy loam, 0 to 1 percent slopes	100	Prime farmland if drained	0.1	0
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82084	Broseley loamy fine sand, 0 to 5 percent slopes, rarely flooded	0	All areas are prime farmland	0	0
82094	Dundee loam, 0 to 1 percent slopes, rarely flooded	10	Prime farmland if drained	14.1	3.6
86004	Forestdale silty clay loam, 0 to 1 percent slopes, occasionally flooded	100	Prime farmland if drained	17.5	4.5
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Legend

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USDA NRCS
United States Department of Agriculture
Natural Resources Conservation Service

CONSERVATIONWORKS JOINT VENTURE

NRCS Web Soil Survey

Main Ditch Watershed Plan
Stoddard County, Missouri

PROJECT NO. 70014.24

DATE 12/12/2025

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REVIEWED BY: IJM

Figure 6k

State of Missouri, Vantor

Scale: 1:9,000

N

0 2
Miles

Legend

- Project Area
- HUC 12 Watershed Boundary
- Not prime farmland
- Prime farmland if drained
- All areas are prime farmland
- Farmland of statewide importance
- Stoddard County

USDA NRCS
United States Department of Agriculture
Natural Resources Conservation Service

CONSERVATIONWORKS JOINT VENTURE

Web Soil Survey Prime Farmland

Main Ditch Watershed Plan
Stoddard County, Missouri

PROJECT NO.	
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12/12/2025	
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LHN	IJM

Figure 7

State of Missouri, Earthstar Geographics

Scale: 1:86,000

N

0 2
Miles

Legend

- Project Area
- National Hydrology Dataset
- HUC 12 Watershed Boundary
- Stoddard County

USDA NRCS
United States Department of Agriculture
Natural Resources Conservation Service

CONSERVATIONWORKS JOINT VENTURE

National Hydrography Dataset

Main Ditch Watershed Plan
Stoddard County, Missouri

PROJECT NO.	70014.24
DATE	12/12/2025
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Figure 8

State of Missouri, Earthstar Geographics

Scale: 1:86,000

N

0 2
Miles

Legend

- Project Area
- HUC 12 Watershed Boundary
- Stoddard County
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Riverine

USDA NRCS
United States Department of Agriculture
Natural Resources Conservation Service

CONSERVATIONWORKS JOINT VENTURE

USFWS National Wetlands Inventory

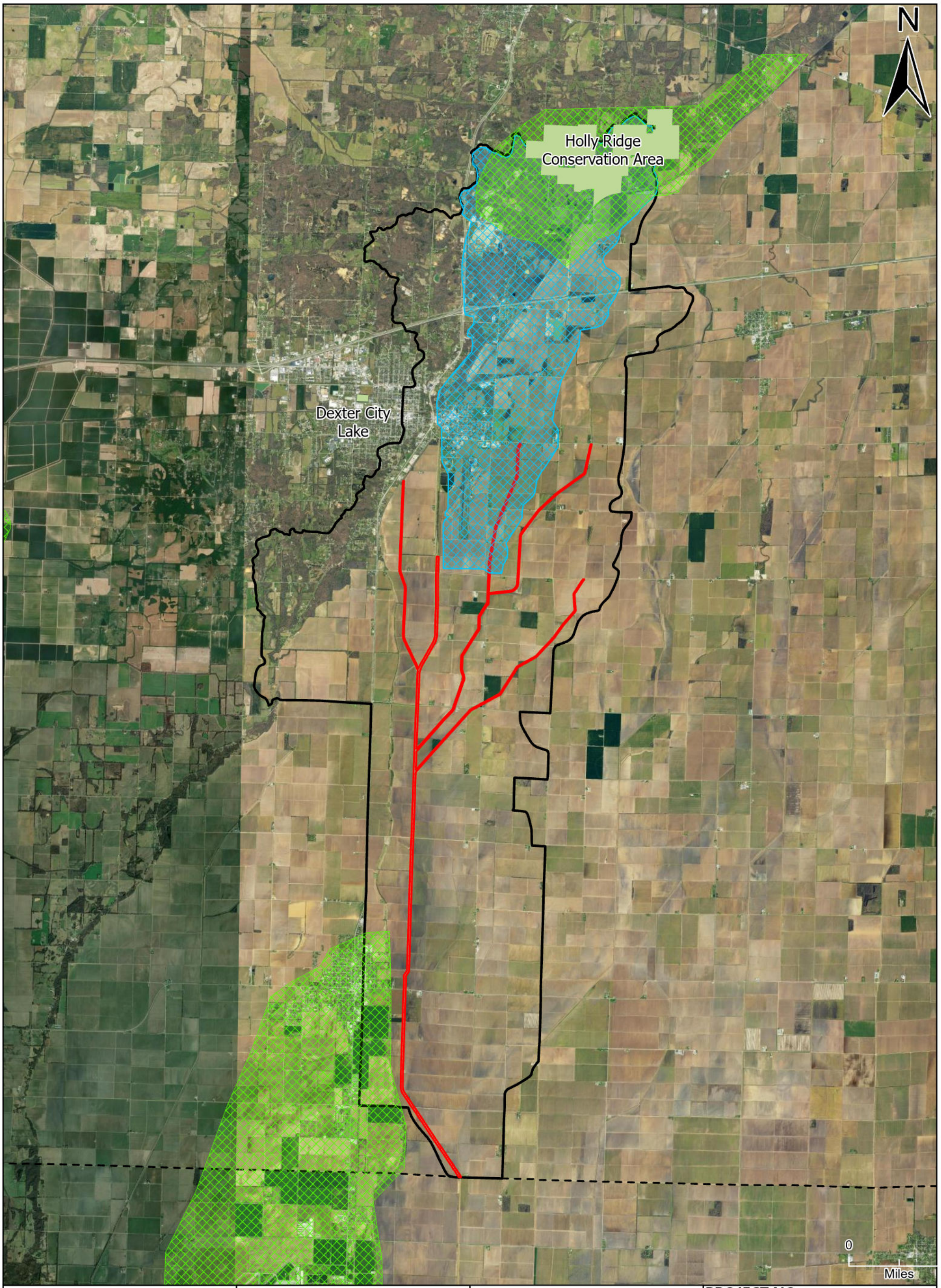
Main Ditch Watershed Plan
Stoddard County, Missouri

PROJECT NO.	
70014.24	
DATE	
12/12/2025	
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LHN	IJM

Figure 9

State of Missouri, Earthstar Geographics

Scale: 1:86,000



Legend

- Project Area
- Stoddard County
- HUC 12 Watershed Boundary
- MDC Conservation Area
- Aquatic Opportunity Areas
- Terrestrial Opportunity Areas

USDA NRCS
United States Department of Agriculture
Natural Resources Conservation Service

CONSERVATIONWORKS JOINT VENTURE

Missouri Department of Conservation Natural Areas

Main Ditch Watershed Plan
Stoddard County, Missouri

PROJECT NO.	70014.24
DATE	2/11/2026
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Figure 10

State of Missouri, Earthstar Geographics

Scale: 1:86,000

N

2908450175B
eff. 7/1/1987

2904240001B
eff. 6/1/1982

Zone A

2908450250
Eff.
10/18/1983

0 2
Miles

Legend

- Project Area
- HUC 12 Watershed Boundary
- Stoddard County
- FEMA Zone A
- FEMA Map Panels

USDA NRCS
United States Department of Agriculture
Natural Resources Conservation Service

CONSERVATIONWORKS JOINT VENTURE

FEMA Floodplain

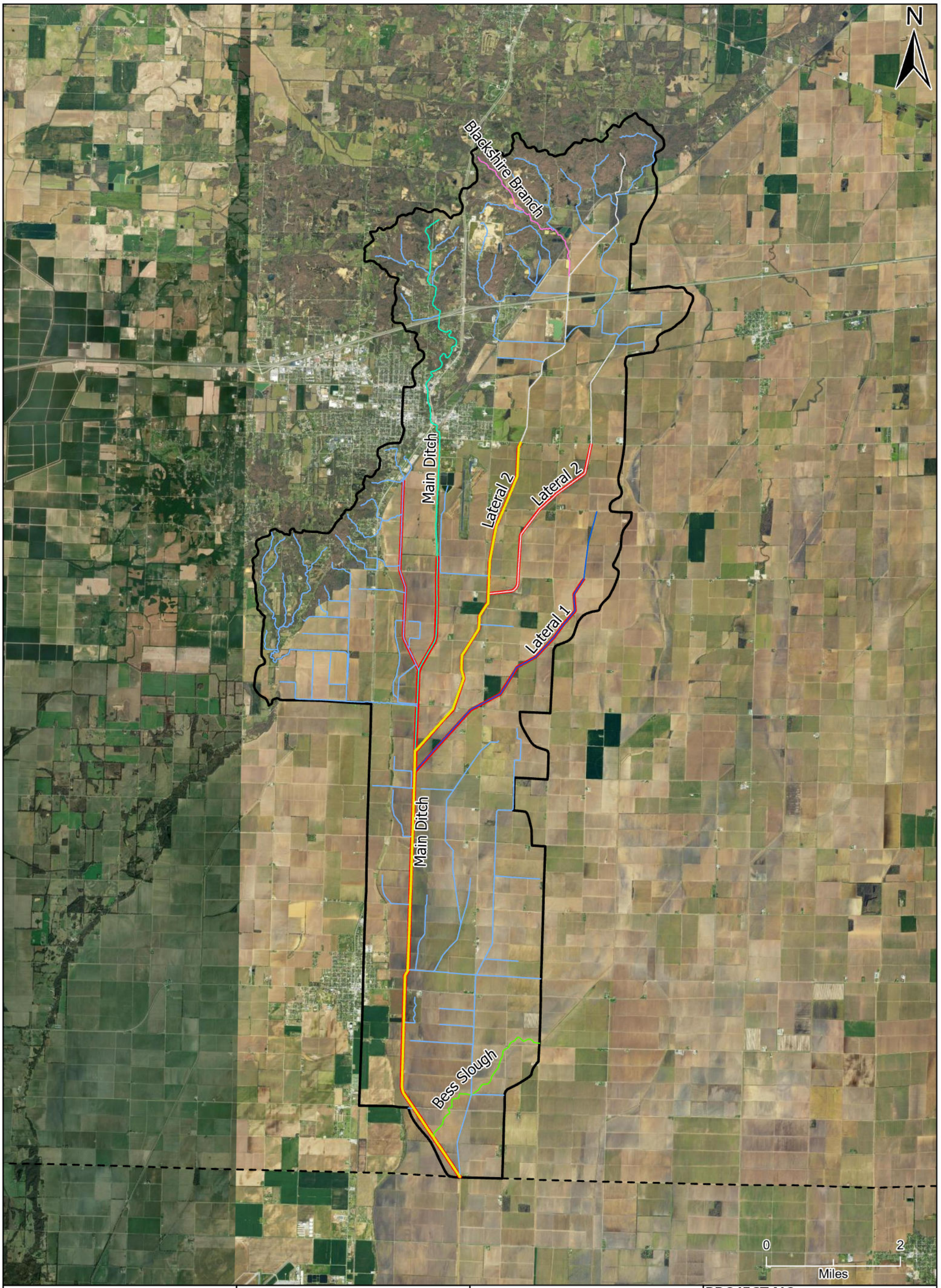
Main Ditch Watershed Plan
Stoddard County, Missouri

PROJECT NO.	
70014.24	
DATE	
12/12/2025	
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LHN	IJM

Figure 11

State of Missouri, Earthstar Geographics

Scale: 1:86,000



Legend

- Project Area
- HUC 12 Watershed Boundary
- Stoddard County
- Main Ditch
- Lateral 1
- Lateral 2
- Blackshire Branch
- Bess Slough
- Unnamed branches
- Impaired Streams - 303(d)

USDA NRCS
United States Department of Agriculture
Natural Resources Conservation Service

CONSERVATIONWORKS JOINT VENTURE

Missouri 303(d) Impaired Waters

Main Ditch Watershed Plan
Stoddard County, Missouri

PROJECT NO.	
70014.24	
DATE	
2/11/2026	
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LHN	IJM

Figure 12

State of Missouri, Earthstar Geographics

Scale: 1:86,000

100yr Floodplain Comparison

Main Ditch Watershed
Stoddard County, MO

100yr Without Project

100yr Area of Overlap

June 2026

Map intended for planning purposes only
Data sources: ESRI, FEMA

100yr Floodplain Comparison

Main Ditch Watershed
Stoddard County, MO

100yr Without Project

100yr Area of Overlap

June 2026

Map intended for planning purposes only
Data sources: ESRI, FEMA

100yr Floodplain Comparison

Main Ditch Watershed
Stoddard County, MO

100yr Without Project

100yr Area of Overlap

June 2026

Map intended for planning purposes only
Data sources: ESRI, FEMA

100yr Floodplain Comparison

Main Ditch Watershed
Stoddard County, MO

100yr Without Project

100yr Area of Overlap

C-36

June 2026

Map intended for planning purposes only
Data sources: ESRI, FEMA

100yr Floodplain Comparison

Main Ditch Watershed
Stoddard County, MO

100yr Without Project

100yr Area of Overlap

C-37

June 2026

Map intended for planning purposes only
Data sources: ESRI, FEMA

100yr Floodplain Comparison

Main Ditch Watershed
Stoddard County, MO

100yr Without Project

100yr Area of Overlap

June 2026

Map intended for planning purposes only
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100yr Floodplain Comparison

Main Ditch Watershed
Stoddard County, MO

100yr Without Project

100yr Area of Overlap

June 2026

Map intended for planning purposes only
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100yr Floodplain Comparison

Main Ditch Watershed
Stoddard County, MO

100yr Without Project

100yr Area of Overlap

June 2026

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100yr Floodplain Comparison

Main Ditch Watershed
Stoddard County, MO

100yr Without Project

100yr Area of Overlap

June 2026

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100yr Floodplain Comparison

Main Ditch Watershed
Stoddard County, MO

100yr Without Project

100yr Area of Overlap

June 2026

Map intended for planning purposes only
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100yr Floodplain Comparison

Main Ditch Watershed
Stoddard County, MO

100yr Without Project

100yr Area of Overlap

June 2026

Map intended for planning purposes only
Data sources: ESRI, FEMA

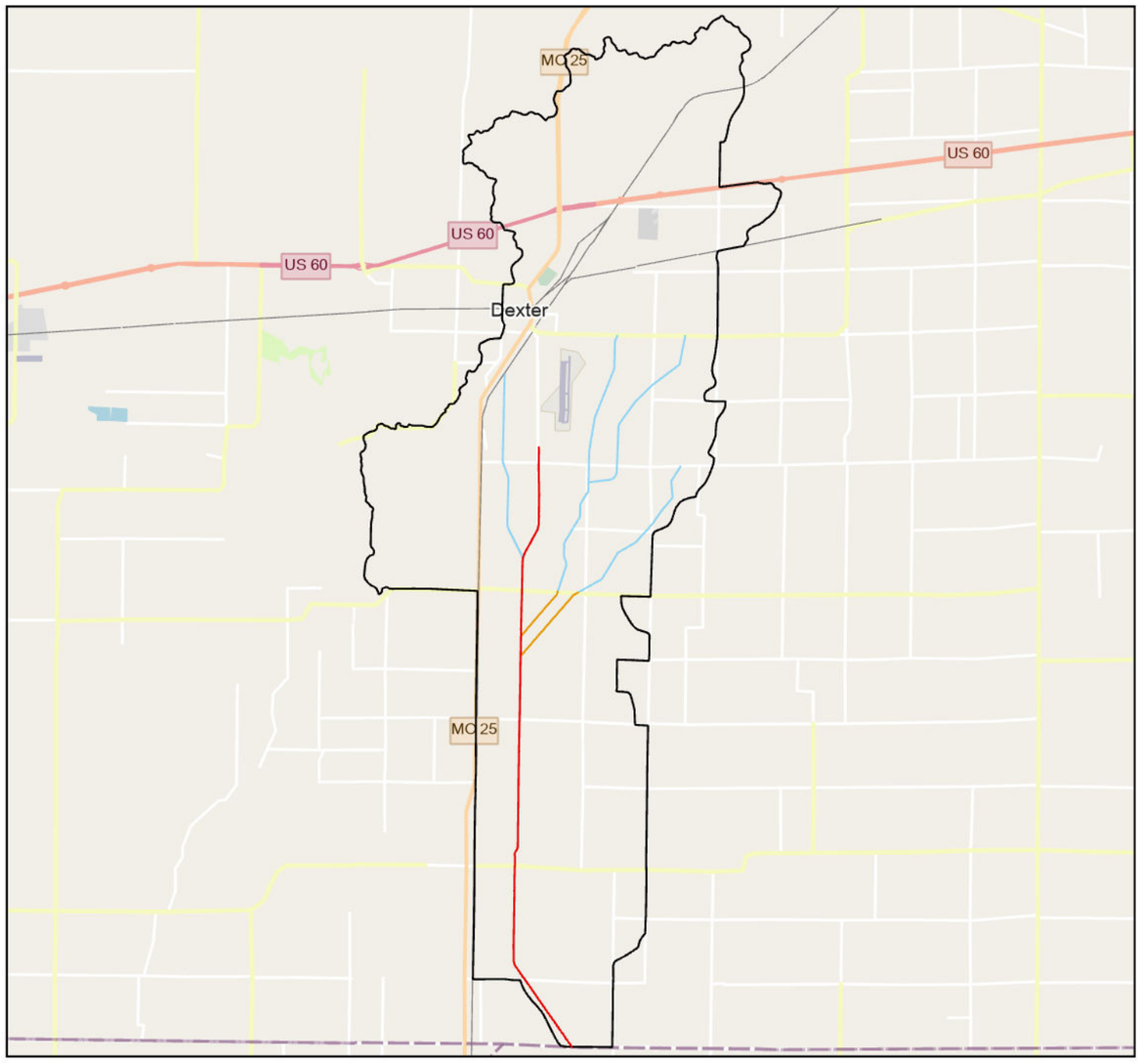
MAURER-STUTZ
ENGINEERS SURVEYORS

Main Ditch

CONSERVATIONWORKS JOINT VENTURE

Page Number	Name
1	Very High Priority
2 - 6	High Priority
7	Lateral 1 Med
8	Lateral 2 Med
9 - 10	Branch 2 Lateral Low
11 - 12	Lateral 1 Low
13 - 15	Lateral 2 Low
16 - 17	Unnamed Lateral Low
18 - 19	Practice Typical Details

THESE PLANS ARE FOR REPRESENTATION AND PLANNING PURPOSES ONLY. THEY ARE NOT FOR CONSTRUCTION



ALTERNATIVE 2 - VEGETATIVE BUFFER			
Line	**Item**	**Quantity**	**Unit**
1	Mobilization	1	LS
2	20' Vegetative Buffer - Very High & High Priority Areas	47	Acres
3	20' Vegetative Buffer - Medium Priority Areas	11	Acres
4	20' Vegetative Buffer - Low Priority Areas	62	Acres

ALTERNATIVE 3 - RIPRAP TOE PROTECTION - V. HIGH & HIGH PRIORITY AREAS ONLY			
Line	**Item**	**Quantity**	**Unit**
1	Riprap - D50 = 12"	290000	tons
2	Stone Bedding	79000	tons
3	Excavation*	230000	cu yds
4	Erosion Control Blanket	184000	sq yds
5	Seeding	35	Acres

ALTERNATIVE 3 - RIPRAP TOE PROTECTION - MED. & LOW PRIORITY AREAS			
Line	**Item**	**Quantity**	**Unit**
1	Riprap - D50 = 12"	451000	tons
2	Stone Bedding	122000	tons
3	Excavation*	355000	cu yds
4	Erosion Control Blanket	285000	sq yds
5	Seeding	54	Acres

ALTERNATIVE 4 - PARALLEL DRAINS - V. HIGH & HIGH			
Line	**Item**	**Quantity**	**Unit**
1	4" Dia. Cor. Plastic Tubing - V. & V. High Priority Areas	101400	L.F.
2	Outlet Markers	122	Each
3	Riprap - D50 = 12"	820	tons
4	Excavation*	515	cu yds

ALTERNATIVE 4 - PARALLEL DRAINS - MED. & LOW AREAS			
Line	**Item**	**Quantity**	**Unit**
1	4" Dia. Cor. Plastic Tubing - V. & V. High Priority Areas	158000	L.F.
2	Outlet Markers	192	Each
3	Riprap - D50 = 12"	1290	tons
4	Excavation*	807	cu yds

ALTERNATIVE 5 - BANK SLOPE RECONSTRUCTION USING EXISTING SPOIL			
Line	**Item**	**Quantity**	**Unit**
1	V. High and High Priority Areas	101400	L.F.
2	Medium and Low Priority Areas	158000	L.F.

ALTERNATIVE 5 - TWO-STAGE DITCH CONSTRUCTION - V. HIGH AND HIGH PRIORITY AREAS ONLY			
Line	**Item**	**Quantity**	**Unit**
1	Excavation*	465000	cu yds
2	Seeding	18	Acres
3	Erosion Control Blanket	48500	sq yds
4	Riprap Toe Protection	60000	tons
5	Stone Bedding	16000	tons

ADDITIONAL ITEMS TO GO WITH ALL ALTERNATIVES			
Line	**Item**	**Quantity**	**Unit**
1	Grade Stabilization Structures	7	Each
2	Existing Subsurface Drain Outlet Protection	34	Each
3	Bank Protection at Crossings - Rip Rap	14000	tons
4	Bank Protection at Crossings - Bedding	3700	tons

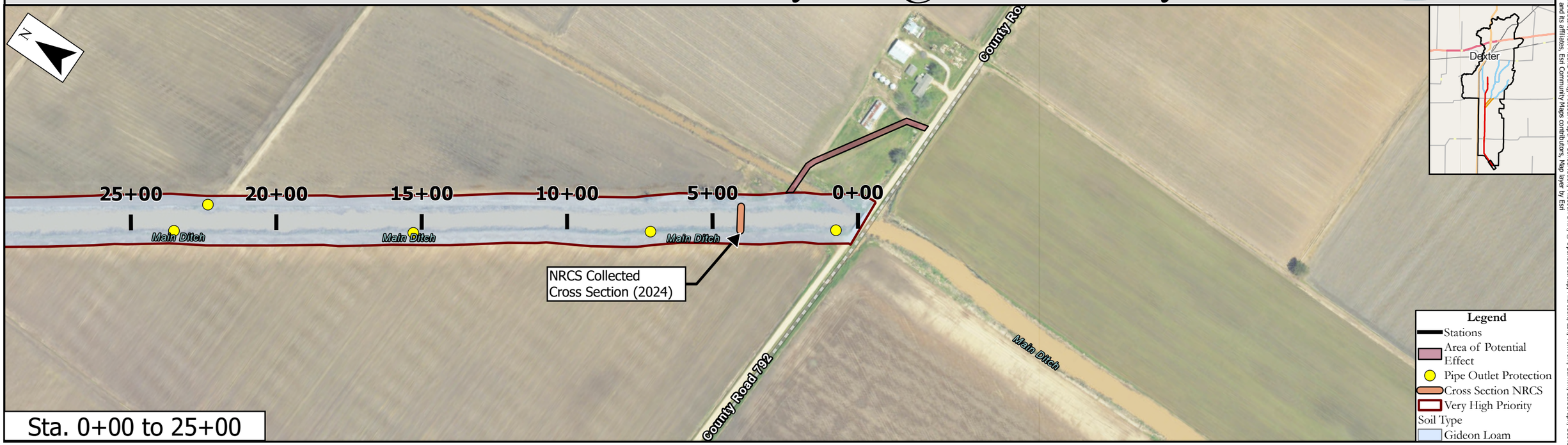
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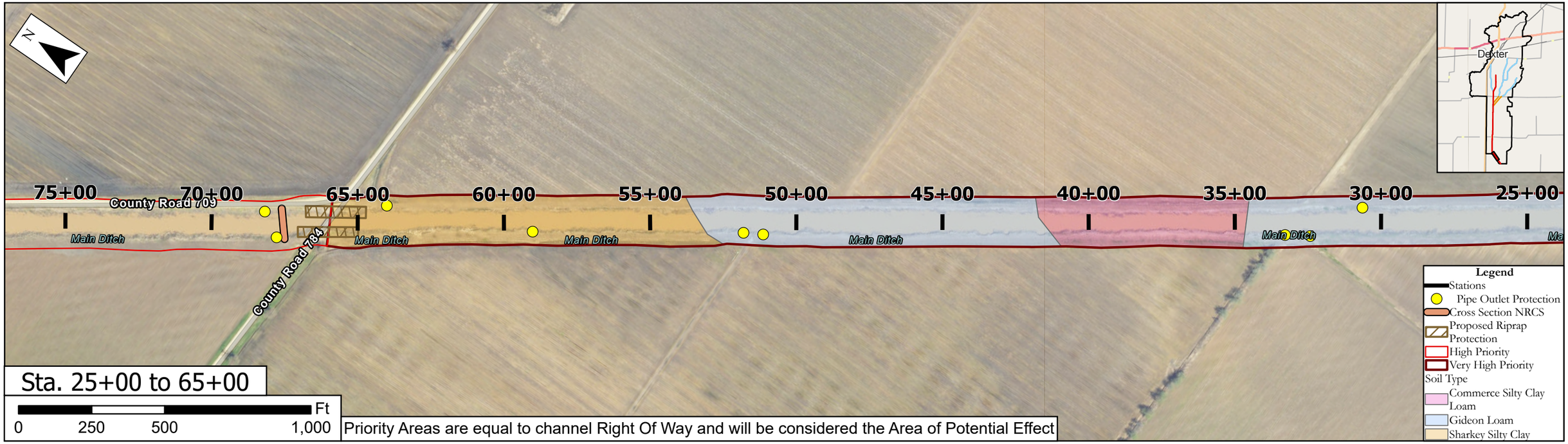
Main Ditch Very High Priority

Main Ditch
Sta. 0+00 to 65+00

MAURER-STUTZ ENGINEERS SURVEYORS
CONSERVATIONWORKS JOINT-VENTURE



Sta. 0+00 to 25+00



Sta. 25+00 to 65+00

Ft
0 250 500 1,000

Priority Areas are equal to channel Right Of Way and will be considered the Area of Potential Effect

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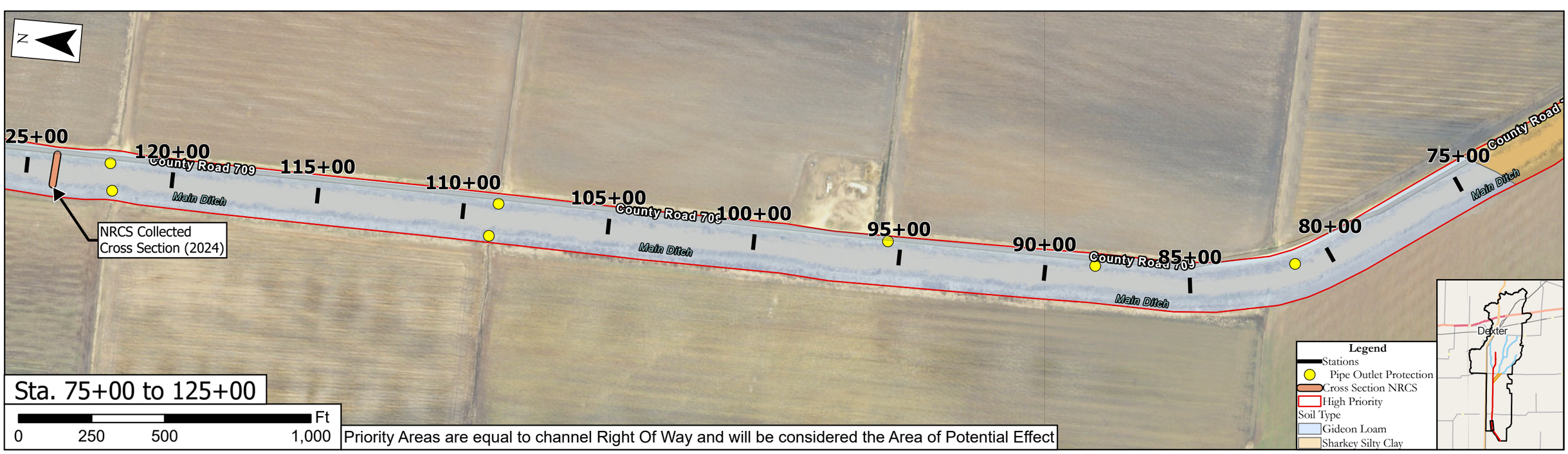
Main Ditch
Sta. 65+00 to 125+00

Main Ditch High Priority

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CONSERVATIONWORKS JOINT-VENTURE



Sta. 65+00 to 75+00



Sta. 75+00 to 125+00

0 250 500 1,000 Ft

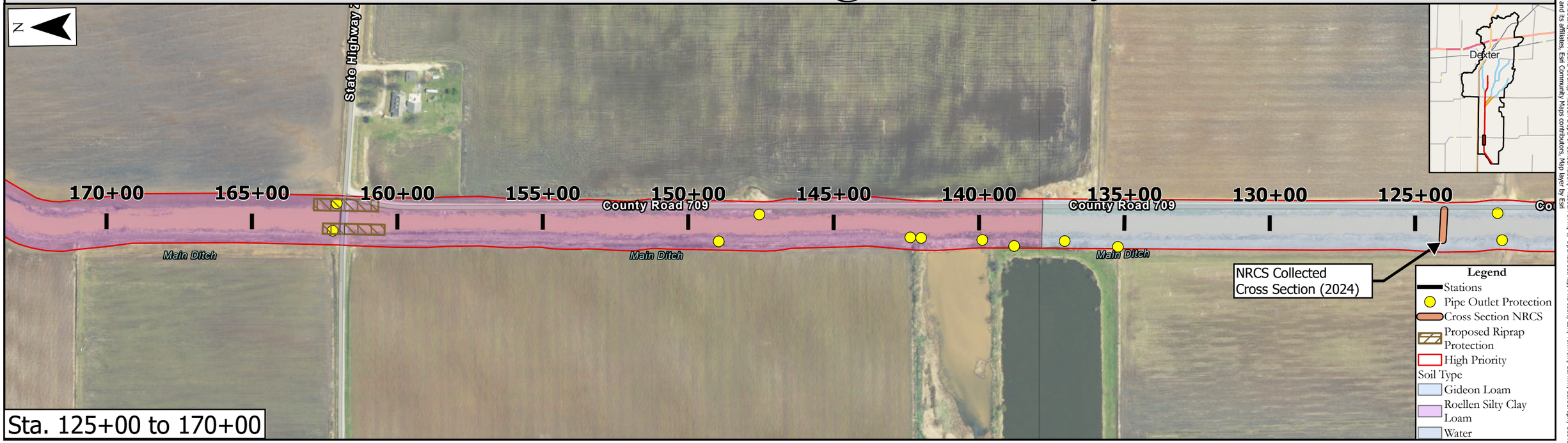
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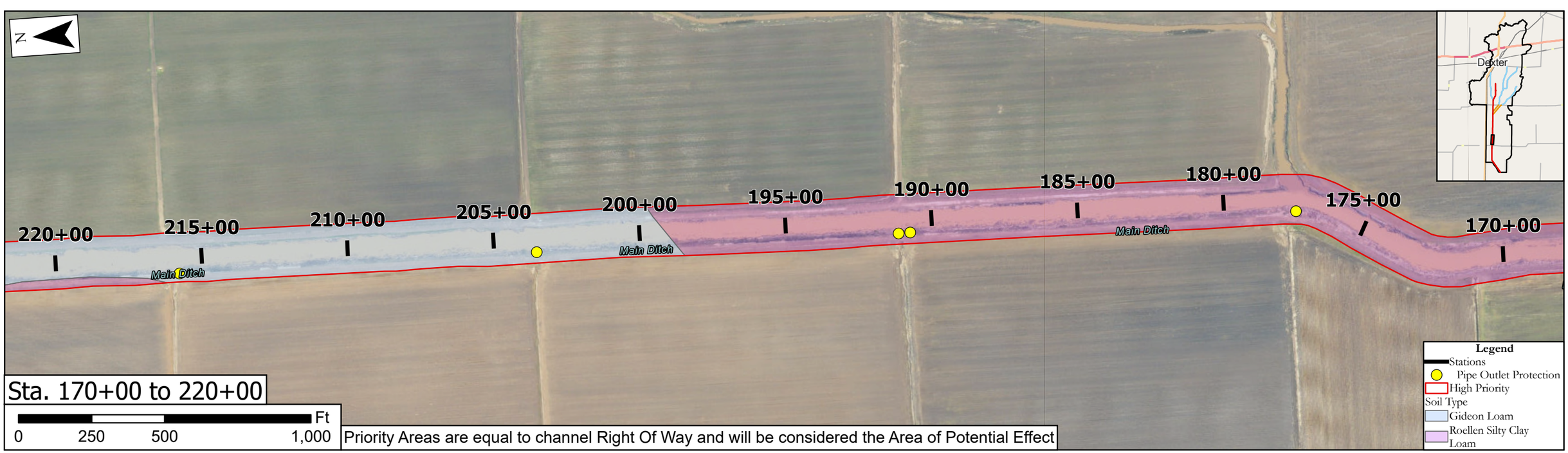
Main Ditch High Priority

Main Ditch
Sta. 125+00 to 220+00

MAURER-STUTZ ENGINEERS SURVEYORS
CONSERVATIONWORKS JOINT-VENTURE



Sta. 125+00 to 170+00



Sta. 170+00 to 220+00

0 250 500 1,000 Ft

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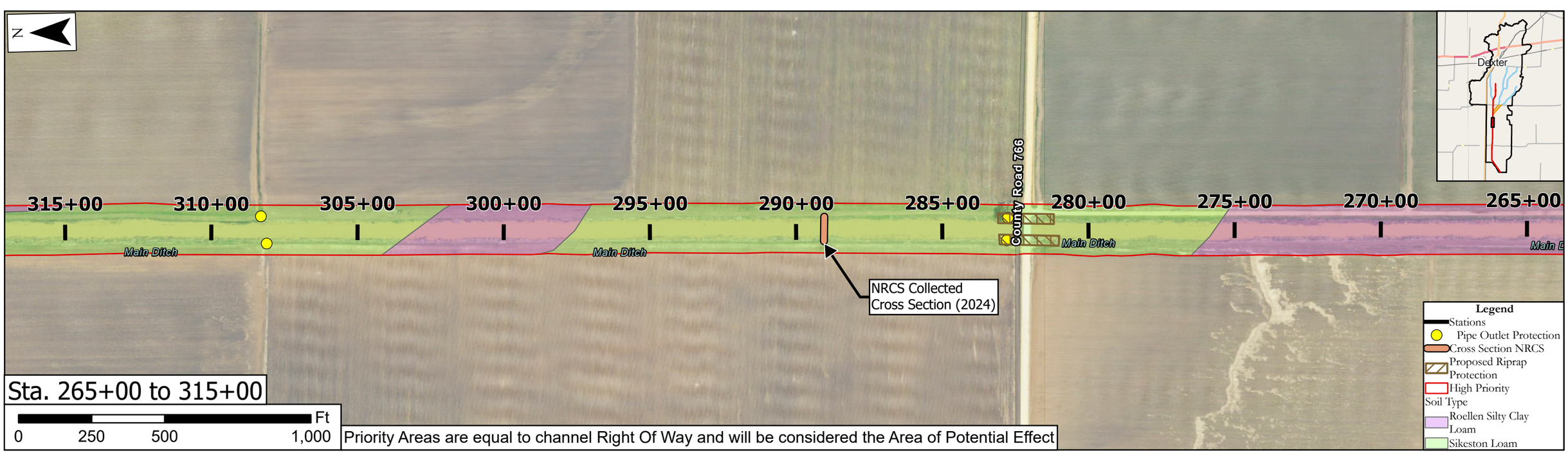
Main Ditch
Sta. 220+00 to 315+00

Main Ditch High Priority

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CONSERVATIONWORKS JOINT-VENTURE



Sta. 220+00 to 265+00



Sta. 265+00 to 315+00

0 250 500 1,000 Ft

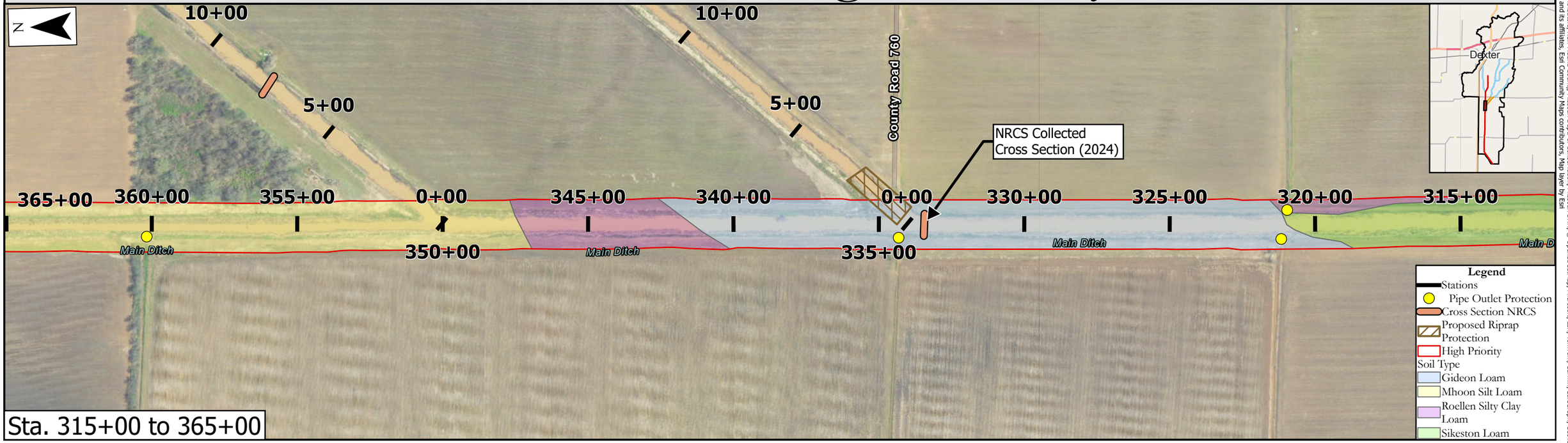
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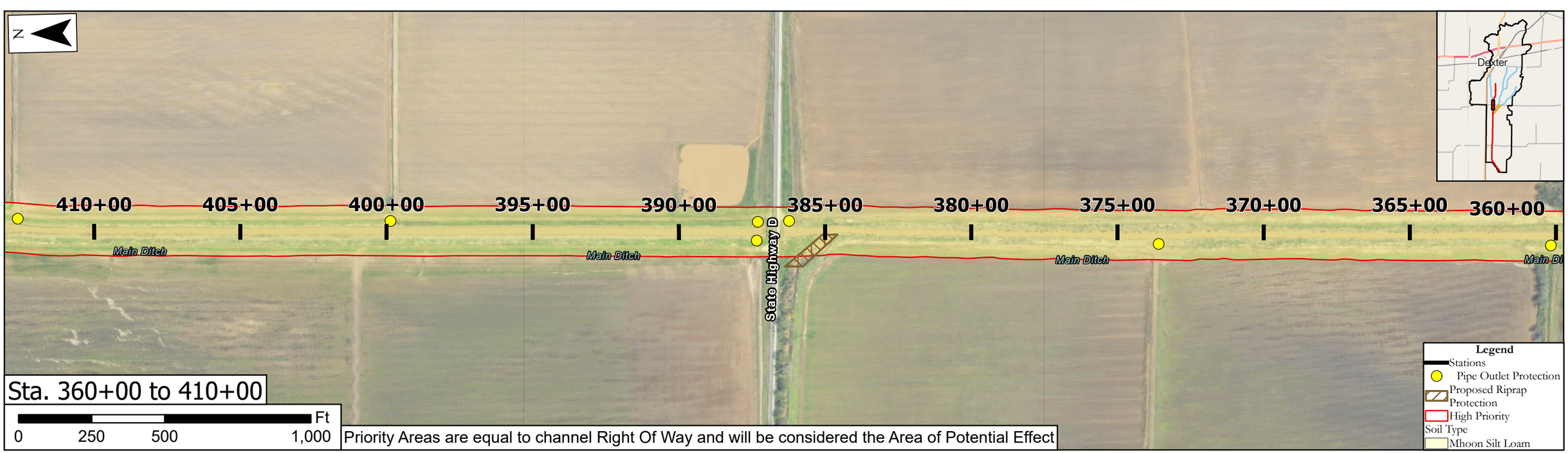
Main Ditch
Sta. 315+00 to 410+00

Main Ditch High Priority

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CONSERVATIONWORKS JOINT-VENTURE



Sta. 315+00 to 365+00



Sta. 360+00 to 410+00

0 250 500 1,000 Ft

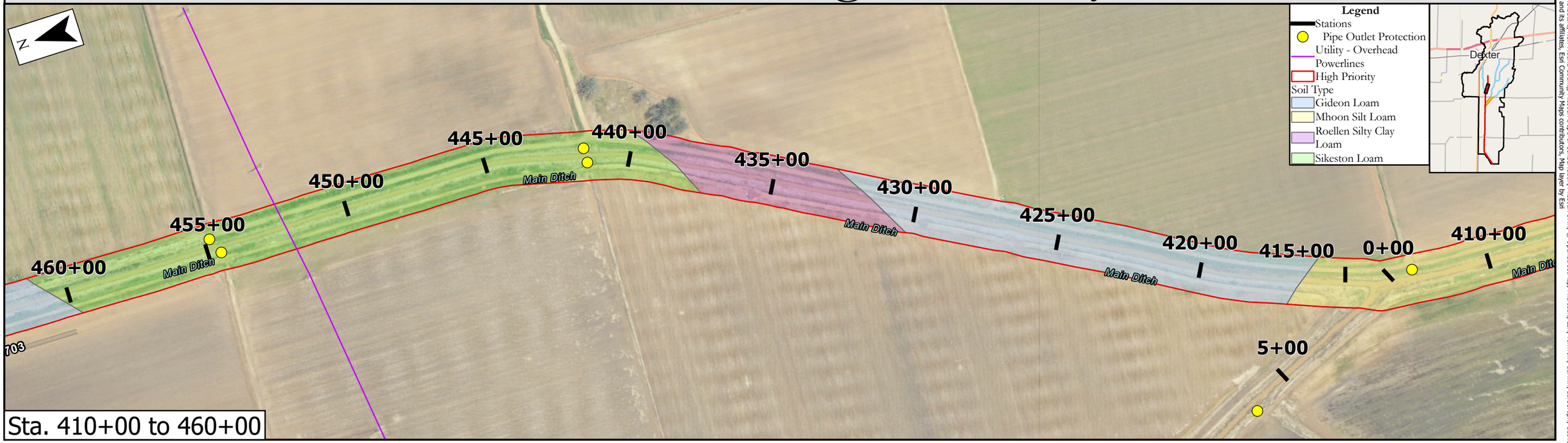
Priority Areas are equal to channel Right Of Way and will be considered the Area of Potential Effect

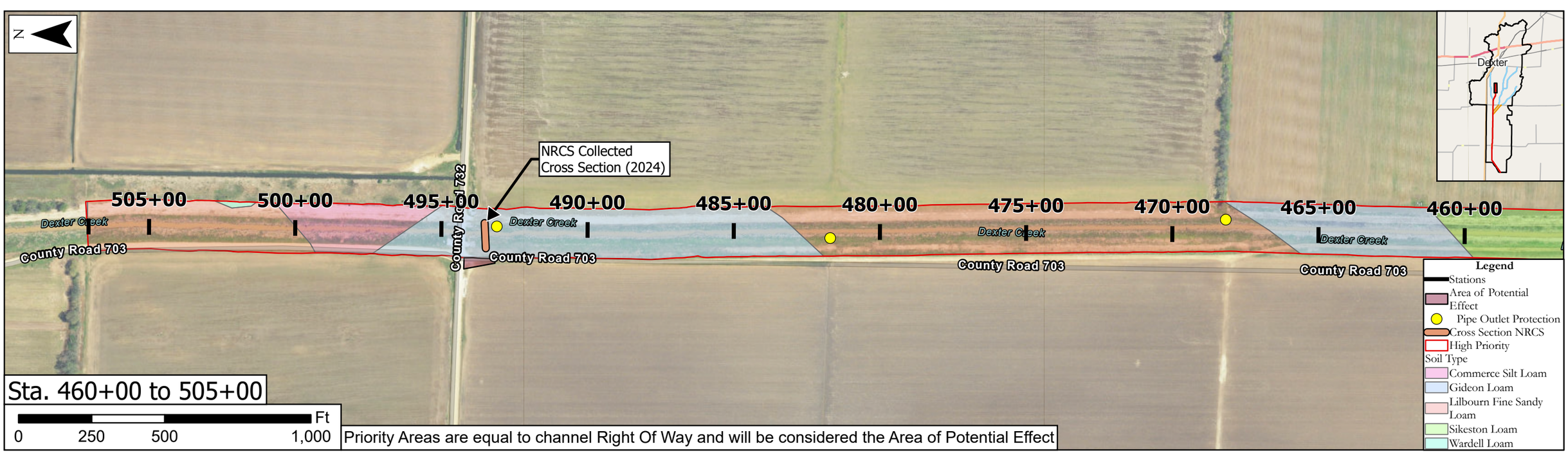
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Main Ditch
Sta. 410+00 to 505+00

Main Ditch High Priority

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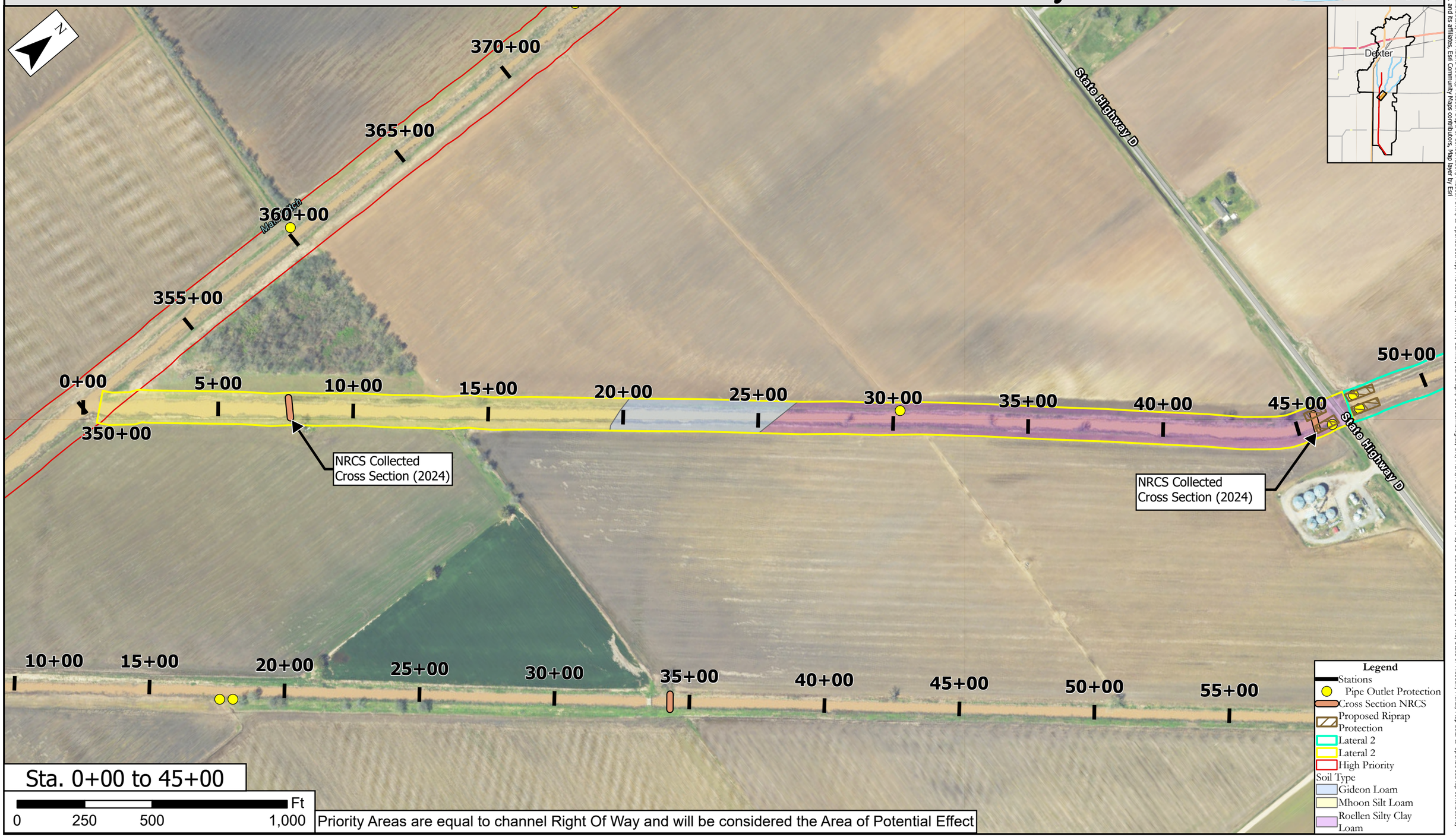
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Lateral 2
Sta. 0+00 to 45+00

Main Ditch Medium Priority

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Sta. 0+00 to 45+00

0 250 500 1,000 Ft

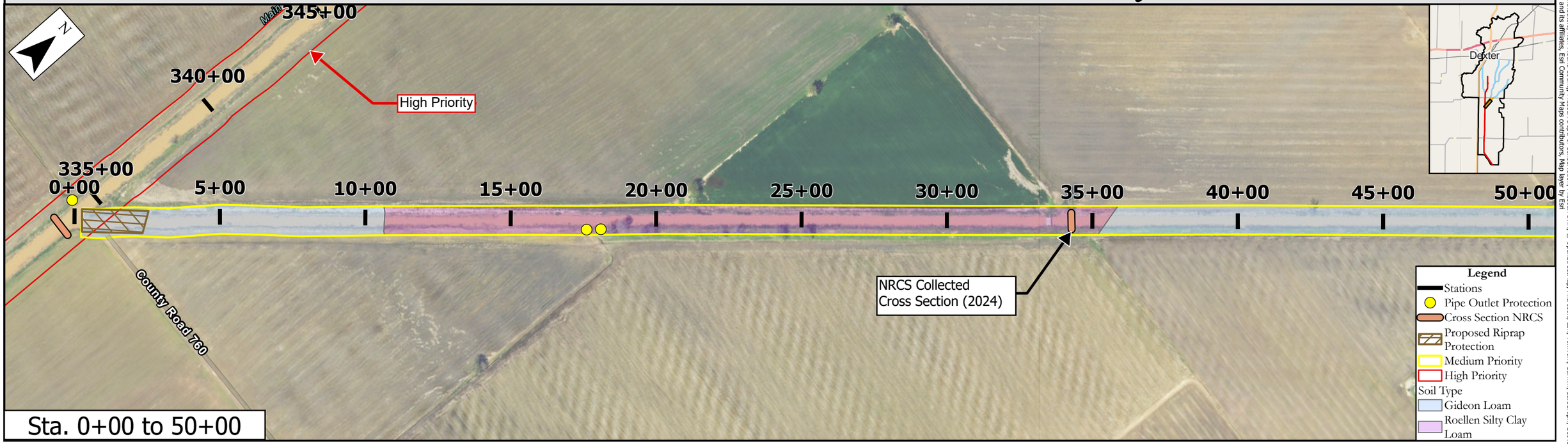
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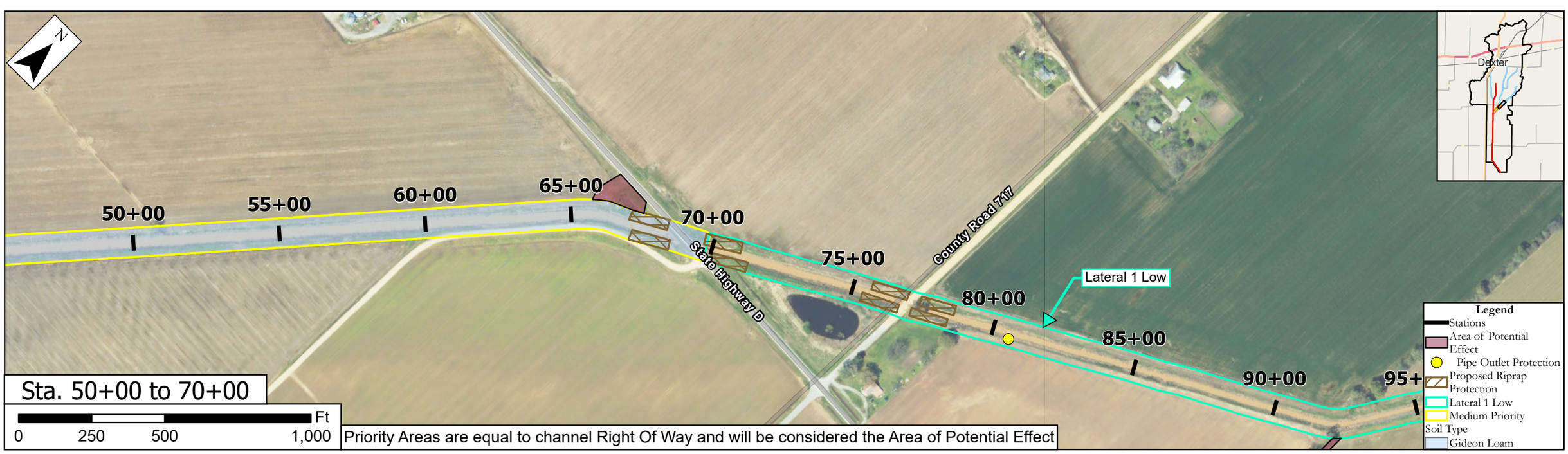
Lateral 1
Sta. 0+00 to 70+00

Main Ditch Medium Priority

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Sta. 0+00 to 50+00



Sta. 50+00 to 70+00

0 250 500 1,000 Ft

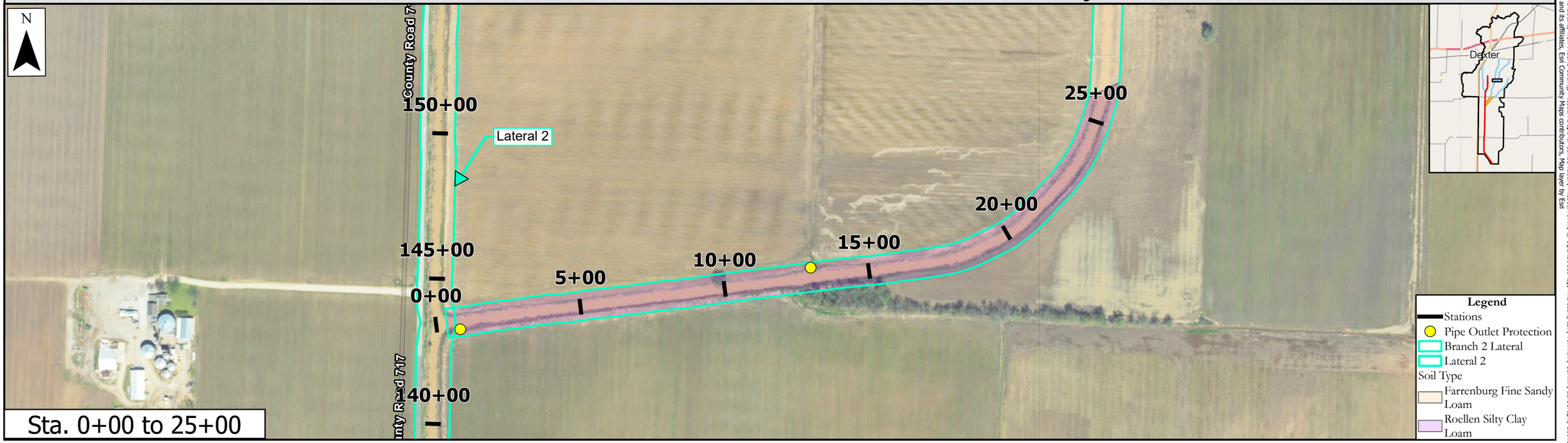
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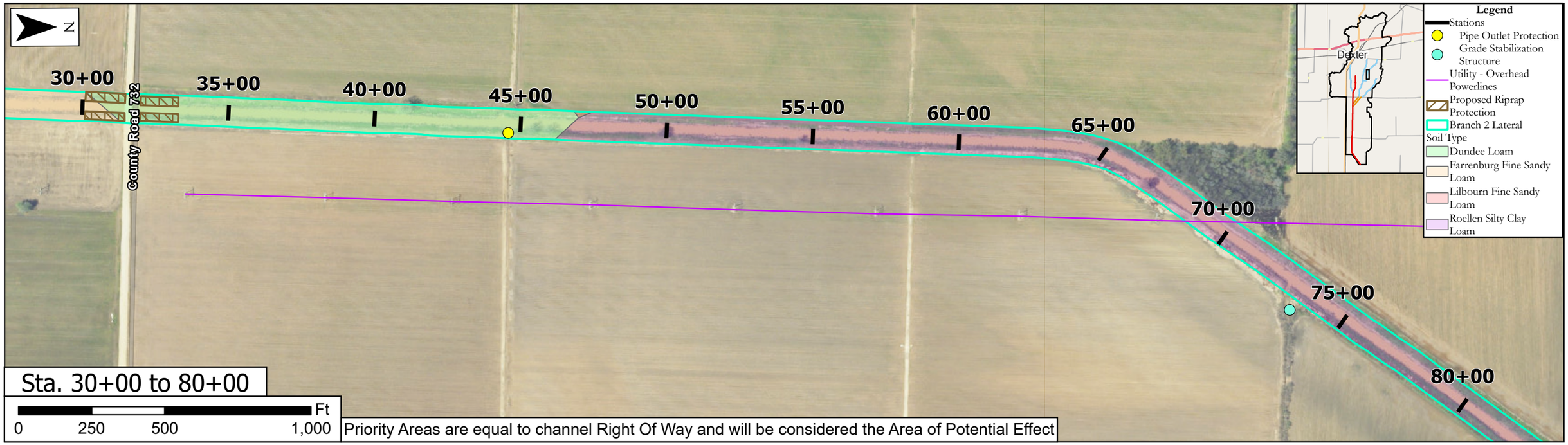
Branch 2 Lateral
Sta. 0+00 to 80+00

Main Ditch Low Priority

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Sta. 0+00 to 25+00



Sta. 30+00 to 80+00

Ft
0 250 500 1,000

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