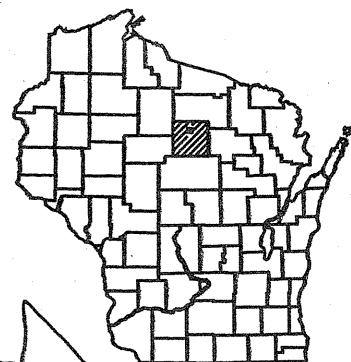


REV. DATE: 09-21-98 PLOT SCALE: 1"=100' PLOT DATE: 08-21-98
 ORIGINATOR: DISTRICT 7 RHINELANDER
 FILE NAME: D7 11760270117670 SHADON

INDEX OF SHEETS

- Sheet No. 1 Title
- Sheet No. 2.1-2.94 Typical Sections and Details
- Sheet No. 3.1-3.9 Estimate of Quantities
- Sheet No. 3A-3V Miscellaneous Quantities
- Sheet No. 4.1-4.8 Right of Way Plot
- Sheet No. 5.1-5.24 Plan and Profile
- Sheet No. 6.1-6.74 Standard Detail Drawings
- Sheet No. 7.1-7.42 Sign Plates
- Sheet No. 8.1-8.38 Structure Plans
- Sheet No. 9.1-9.26 Computer Earthwork Data
- Sheet No. 9.27-9.28 Cross Sections

TOTAL SHEETS = 523



STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

C.T.H. "S" - U.S.H. 8

IRMA - C.T.H. "S"

U.S.H. 51

LINCOLN COUNTY

| STATE PROJECT | FEDERAL PROJECT | |
|---------------|-----------------|----------|
| | PROJECT | CONTRACT |
| 1176-02-70 | HPP 1999 317 | 2 |
| | | |
| | | |

STATE PROJECT NUMBER
1176-02-70



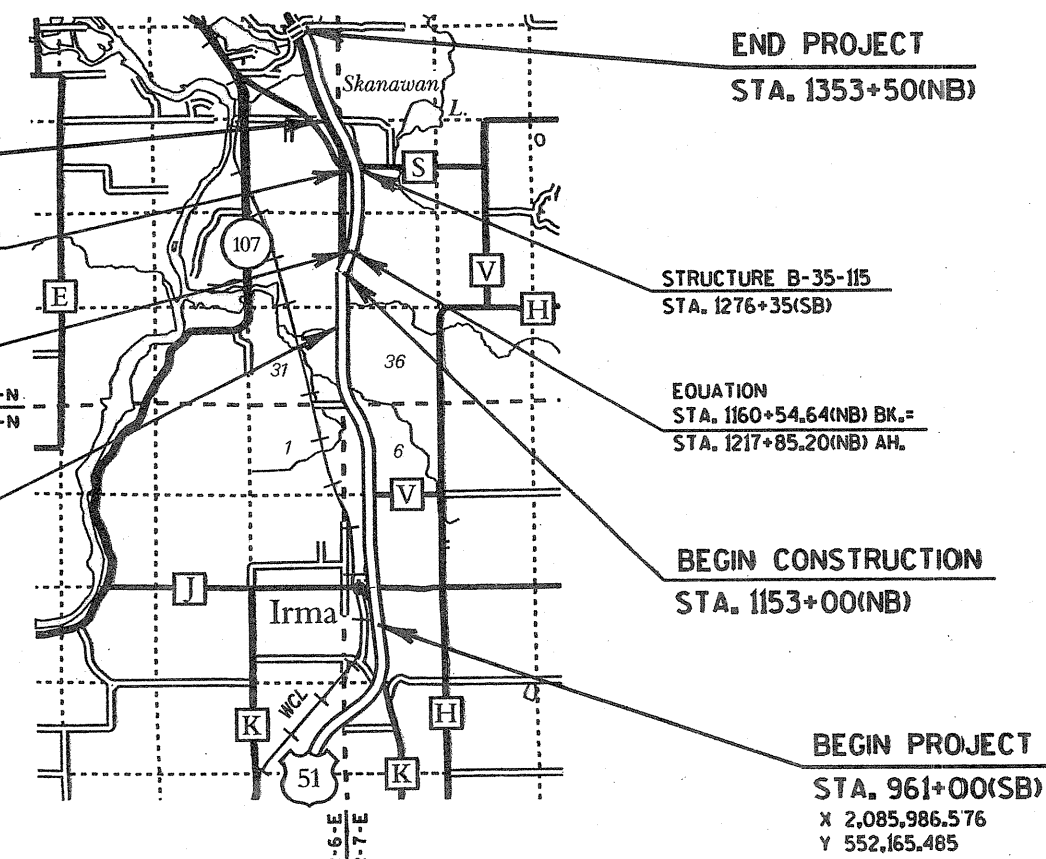
DESIGN DESIGNATION

| | | |
|---------------|---|--------|
| A.D.T. (1999) | = | 10,550 |
| A.D.T. (2019) | = | 16,500 |
| D.H.V. (2019) | = | 2,260 |
| D. | = | 63/37 |
| T. | = | 8.8% |
| DESIGN SPEED | = | 70 MPH |
| ESALS | = | N/A |

CONVENTIONAL SIGNS

- COUNTY LINE
- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SURVEY LINE
- SLOPE INTERCEPT
- ORIGINAL GROUND
- MARSH OR ROCK PROFILE
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- CULVERT (Profile View)

- COMBUSTIBLE FLUIDS
- UNDERGROUND UTILITIES
 - GAS
 - ELECTRIC
 - TELEPHONE OR TELEGRAPH
 - SERVICE PEDESTAL
 - CABLE MARKER
- POWER POLE
- TELEPHONE POLE
- RAILROAD
- MARSH AREA
- WOODED OR SHRUB AREA



**STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION**

PREPARED BY

| | |
|---------------------|-------------------|
| Surveyor | JAMES W. SMITH |
| Designer | RICHARD A. SIMON |
| District Examiner | BROCK A. GERRIG |
| District Supervisor | MARVIN N. LASPA |
| Proj. Dev. Engineer | LEONARD A. STAMER |
| C.O. Examiner | Dale E. Mara |

APPROVED FOR DISTRICT OFFICE

DATE: 12/30/98 *Janis R. [Signature]*

AUTHORIZED FOR CENTRAL OFFICE DESIGN

DATE: 2/4/99 *Robert W. [Signature]*

HORIZONTAL COORDINATES ARE BASED ON NORTH AMERICAN DATUM, 1927, AND COMPUTED ON THE CENTRAL ZONE FOR THE STATE OF WISCONSIN.

CONVENTIONAL SIGNS AND ABBREVIATIONS

| | | | |
|-----------------------------------|---------|----------|------------------------------|
| TOWNSHIP AND RANGE LINES | ---- | AC. | ACRES |
| SECTION LINE | ---- | AVE. | AVENUE |
| QUARTER LINE | ---- | B. | BARN |
| SIXTEENTH LINE | ---- | C. | CABIN |
| NEW CENTERLINE | —●— | C.S.M. | CERTIFIED SURVEY MAP |
| NEW R/W LINE | ---- | C.T.H. | COUNTY TRUNK HIGHWAY |
| EXISTING R/W LINE | ---- | D. | DEGREE OF CURVE |
| PROPERTY LINE, P.L. | ---- | F.C.L. | FOREST CROP LAND |
| CORPORATE LIMITS | //// | G. | GARAGE |
| SLOPE INTERCEPTS | - - - - | GN | GRID NORTH |
| P.L.E. PERMANENT LIMITED EASEMENT | //// | H. | HOUSE |
| T.L.E. TEMPORARY LIMITED EASEMENT | ○○○○○○ | I.P. | IRON PIPE |
| CATTLE PASS | — | L. | LENGTH OF CURVE |
| WELL | ○ | M.F.L. | MANAGED FOREST LAND |
| STONE MONUMENT | ⊠ | MI. | MILE |
| IRON PIPE | ⊠ | N.E. | NORTHEAST |
| R/W MONUMENT | ● | N.W. | NORTHWEST |
| R/W POINT | ○ | P. | PAGE |
| | | P.C. | POINT OF CURVATURE |
| | | P.I. | POINT OF INTERSECTION |
| | | P.T. | POINT OF TANGENCY |
| | | P.O.C. | POINT ON CURVE |
| | | P.O.T. | POINT ON TANGENT |
| | | R. | RADIUS |
| | | S. | SHED |
| | | S.E. | SOUTHEAST |
| | | S.W. | SOUTHWEST |
| | | S.T.H. | STATE TRUNK HIGHWAY |
| | | T. | TANGENT LENGTH OF CURVE |
| | | U.S.F.S. | UNITED STATES FOREST SERVICE |
| | | U.S.A. | UNITED STATES OF AMERICA |
| | | V. | VOLUME |

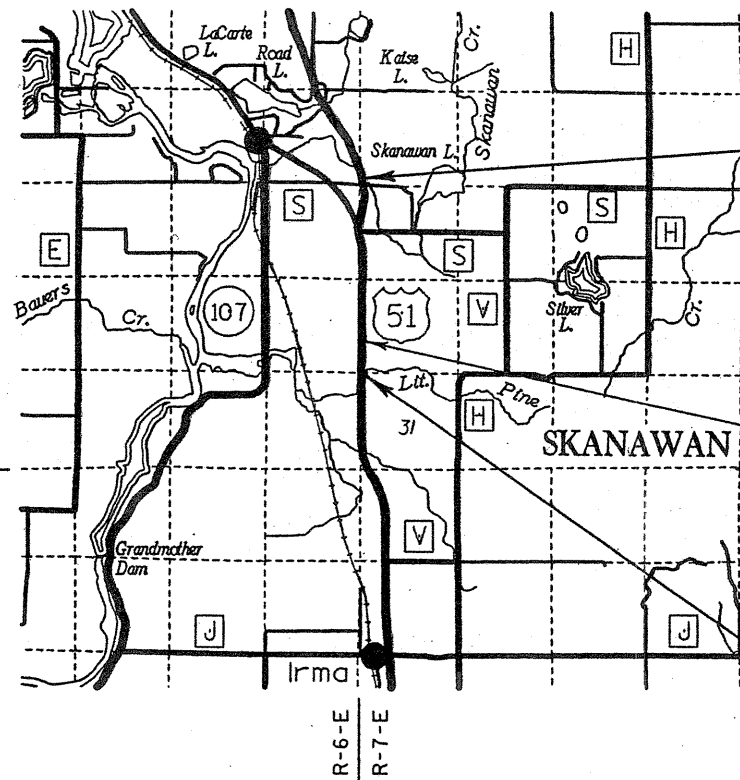
| COMPENSABLE | NON-COMPENSABLE |
|------------------------------------|-----------------|
| UNDERGROUND ELEC. CABLE | ⊙ |
| POWER POLE | ⊠ |
| TELEPHONE POLE | ⊠ |
| SIGN | ⊠ |
| TELEPHONE PEDESTAL | ⊠ |
| UNDERGROUND CABLE | ⊠ |
| LIGHT POLE W/ MAST ARM | ⊠ |
| NO ACCESS (BY ACQUISITION) | |
| NO ACCESS (BY STATUTORY AUTHORITY) | ○○○○○○ |
| NO ACCESS (BY PREVIOUS PROJECT) | ○○○○○○ |

NOTES

COORDINATES AND BEARINGS ON THIS PLAT ARE ORIENTED TO THE WISCONSIN COORDINATE SYSTEM CENTRAL ZONE. ALL PLAT DISTANCES ARE GRID LENGTH AND MAY BE CONVERTED TO GROUND LENGTH BY MULTIPLYING THE DISTANCE BY THE GRID FACTOR PROVIDED ON THE DETAIL SHEETS (NAD 27).

RIGHT OF WAY MONUMENTS ARE TYPE II AND ARE PLACED PRIOR TO OR AT THE TIME OF LAND TITLE TRANSFER.

RIGHT OF WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY OR OTHER SURVEYS OF PUBLIC RECORD.



END RELOCATION ORDER

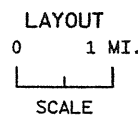
P.O.T. STA. 1292+00 (NB)
1,616.86 FEET NORTH OF AND 121.23 FEET WEST OF THE WEST QUARTER CORNER OF SECTION 19, T. 34 N., R. 7 E.

EQUATION

P.O.T. STA. 1160+54.64 (NB) BK. =
P.O.T. STA. 1217+85.20 (NB) AH.

BEGIN RELOCATION ORDER

P.O.T. STA. 1138+15.20 (NB)
0.43 FEET NORTH OF AND 113.62 FEET EAST OF THE SOUTHWEST QUARTER CORNER OF SECTION 30, T. 34 N., R. 7 E.



TOTAL NET LENGTH OF CENTERLINE = 1.828 MI.

| | | |
|--|---------------------|-------------------|
| R/W PROJECT NUMBER 1176-01-23 | SHEET NUMBER 4.0 | TOTAL SHEETS 8 |
| FEDERAL PROJECT NUMBER 1176-02-70 4.1 | | |
| PLAT OF RIGHT OF WAY REQUIRED FOR MERRILL - C.T.H. "S" PINE CREEK - C.T.H. "S" | | |
| U.S.H. 51 | | LINCOLN COUNTY |

| | |
|--------------------------|---|
| REVISION DATE 7-01-98 | STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION |
| | APPROVED: <i>Henry E. Dudy</i> DISTRICT DESIGN ENGINEER |
| | DATE: 4-24-97 |

FILE NAME: D7 117602:1176INLC.DGN
 LEVELS ON - 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63
 ORIGINATOR: DISTRICT 7 RHINELANDER
 REV. DATE: 04-24-97 PLOT SCALE: 2012084591000000 PLOT DATE: 21-DEC-1998 11:23

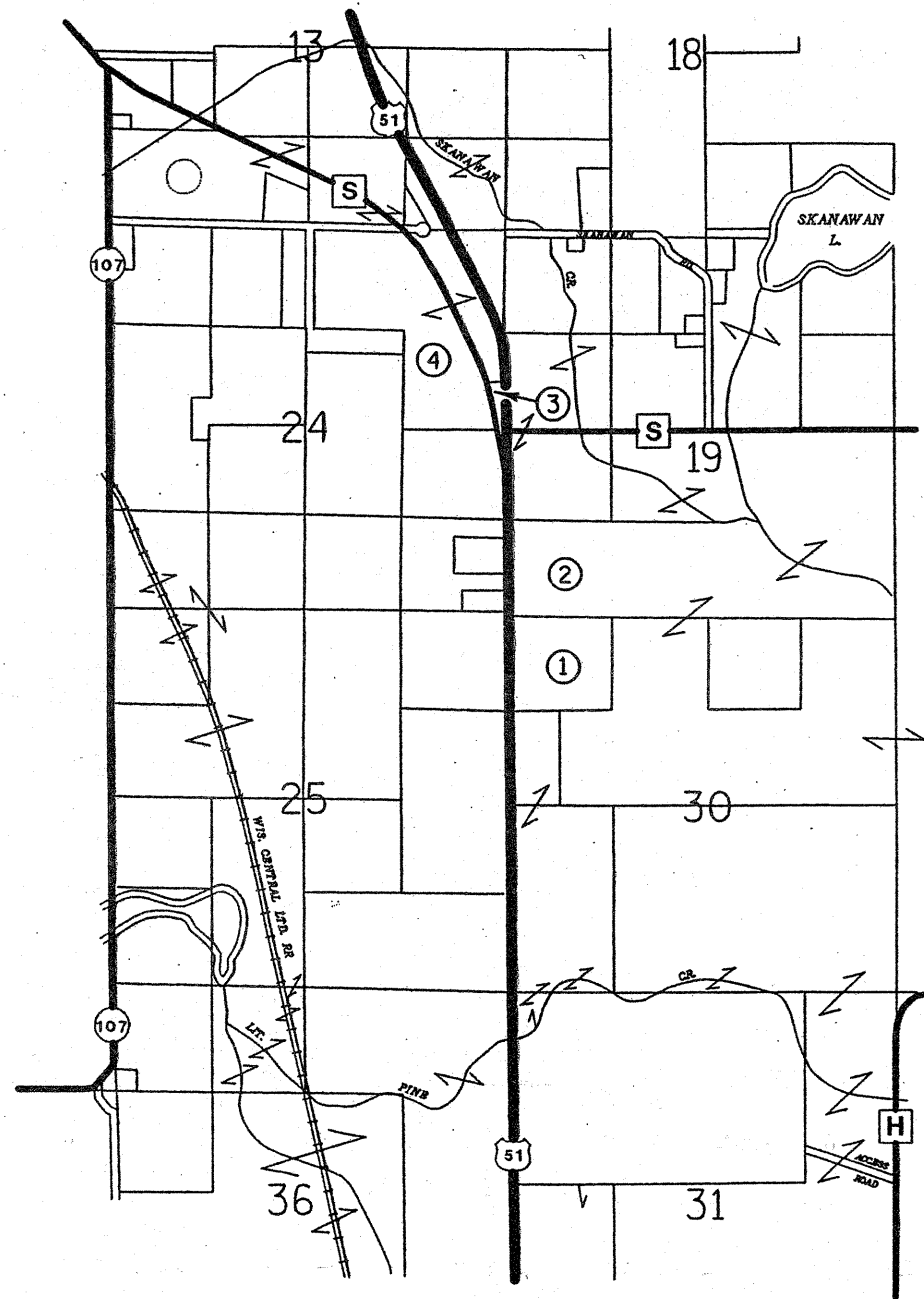
SCHEDULE OF LANDS & INTERESTS REQUIRED

AREAS SHOWN IN THE TOTAL ACRES COLUMN MAY BE APPROXIMATE AND ARE DERIVED FROM TAX ROLLS OR OTHER AVAILABLE SOURCES AND MAY NOT INCLUDE LANDS OF THE OWNER WHICH ARE NOT CONTIGUOUS TO THE AREA TO BE ACQUIRED.

REVISION DATE
7-01-98

ROUTE COUNTY DATE
U.S.H. 51 LINCOLN 4-24-97

| | |
|------------------------|--------------|
| R/W PROJECT NUMBER | SHEET NUMBER |
| 1176-01-23 | 4.1 |
| FEDERAL PROJECT NUMBER | |
| 1176-02-70 | 4.2 |

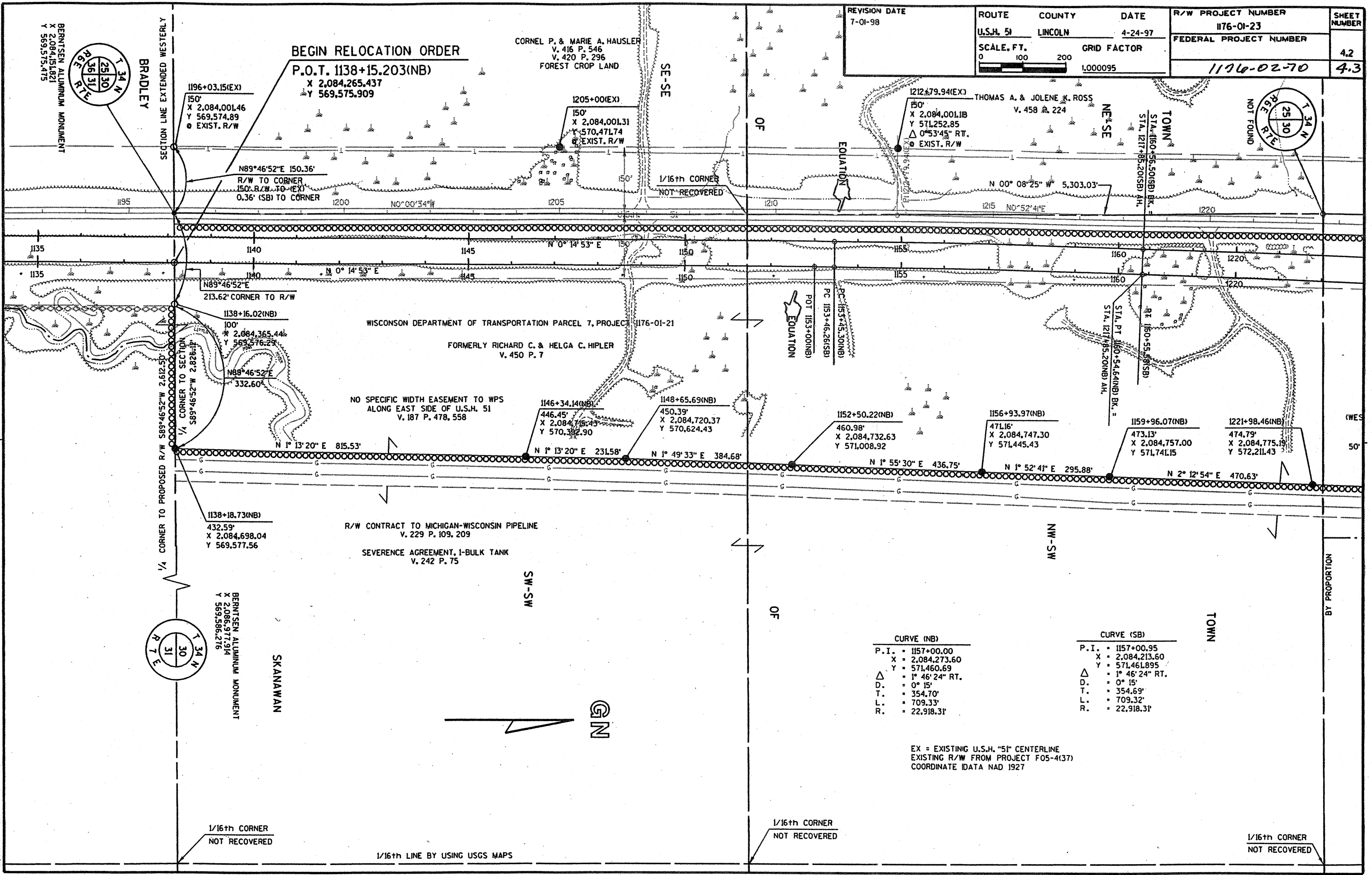


LOCATION SKETCH
NOT TO SCALE

| PARCEL NUMBER | SHEET NUMBER | OWNER'S NAME | TAX KEY NUMBER | INTEREST REQUIRED | TOTAL ACRES | R/W NEW | R/W EXISTING | R/W REQUIRED TOTAL | TOTAL REMAINING ACRES |
|---------------|--------------|---------------------------------|--------------------------|---------------------|-------------|---------|--------------|--------------------|-----------------------|
| 1 | 4.3 | ROBERT KAHLE, ET AL | 26.303407.006.000.00.0.0 | FEE & ACCESS RIGHTS | 46.19 | 15.08 | 6.23 | 21.31 | 24.88 |
| 2 | 4.4 | EDWARD AND JUNE BEHLING | 26.193407.011.000.00.0.0 | FEE & ACCESS RIGHTS | 526.37 | 16.50 | 6.43 | 22.93 | 503.44 |
| 3 | 4.4, 4.5 | LINCOLN COUNTY | 26.193407.010.000.00.0.0 | FEE | 2.07 | 2.07 | 0.00 | 2.07 | 0.00 |
| 4 | 4.5-4.7 | ESTATE OF HENRY MITCHELL, ET AL | 04.243406.004.000.00.0.0 | FEE & ACCESS RIGHTS | 76.04 | 7.55 | 0.00 | 7.55 | 68.49 |
| 40 | 4.7 | GTE NORTH, INC. | N/A | RELEASE OF RIGHTS | | | | | |

FILE NAME: D7 1176021176R1LDON
 REV. DATE: 04-21-97
 PLOT DATE: 04-21-97
 PLOT SCALE: 1" = 100'

| | | | | | |
|--------------------------|-------------------------|-------------------|-------------------------|--------------------------------------|---------------------|
| REVISION DATE 7-01-98 | ROUTE U.S.H. 51 | COUNTY LINCOLN | DATE 4-24-97 | R/W PROJECT NUMBER 1176-01-23 | SHEET NUMBER 4.2 |
| | SCALE, FT. 0 100 200 | | GRID FACTOR 1.000095 | FEDERAL PROJECT NUMBER 1176-02-70 | 4.3 |



| CURVE (NB) | | CURVE (SB) | |
|------------|------------------|------------|------------------|
| P.I. | = 1157+00.00 | P.I. | = 1157+00.95 |
| X | = 2,084,273.60 | X | = 2,084,213.60 |
| Y | = 571,460.69 | Y | = 571,461.895 |
| Δ | = 1° 46' 24" RT. | Δ | = 1° 46' 24" RT. |
| D. | = 0° 15' | D. | = 0° 15' |
| T. | = 354.70' | T. | = 354.69' |
| L. | = 709.33' | L. | = 709.32' |
| R. | = 22,918.31' | R. | = 22,918.31' |

EX = EXISTING U.S.H. "51" CENTERLINE
 EXISTING R/W FROM PROJECT F05-4(137)
 COORDINATE DATA NAD 1927

21-DEC-1998 1413

PLOT DATE:

2012084511000000

REV. DATE: 04-24-97

PLOT SCALE: 1"=100'

ORIGINATOR: DISTRICT 7 RHINELANDER

FILE NAME: D7 1176021176RW2.DGN

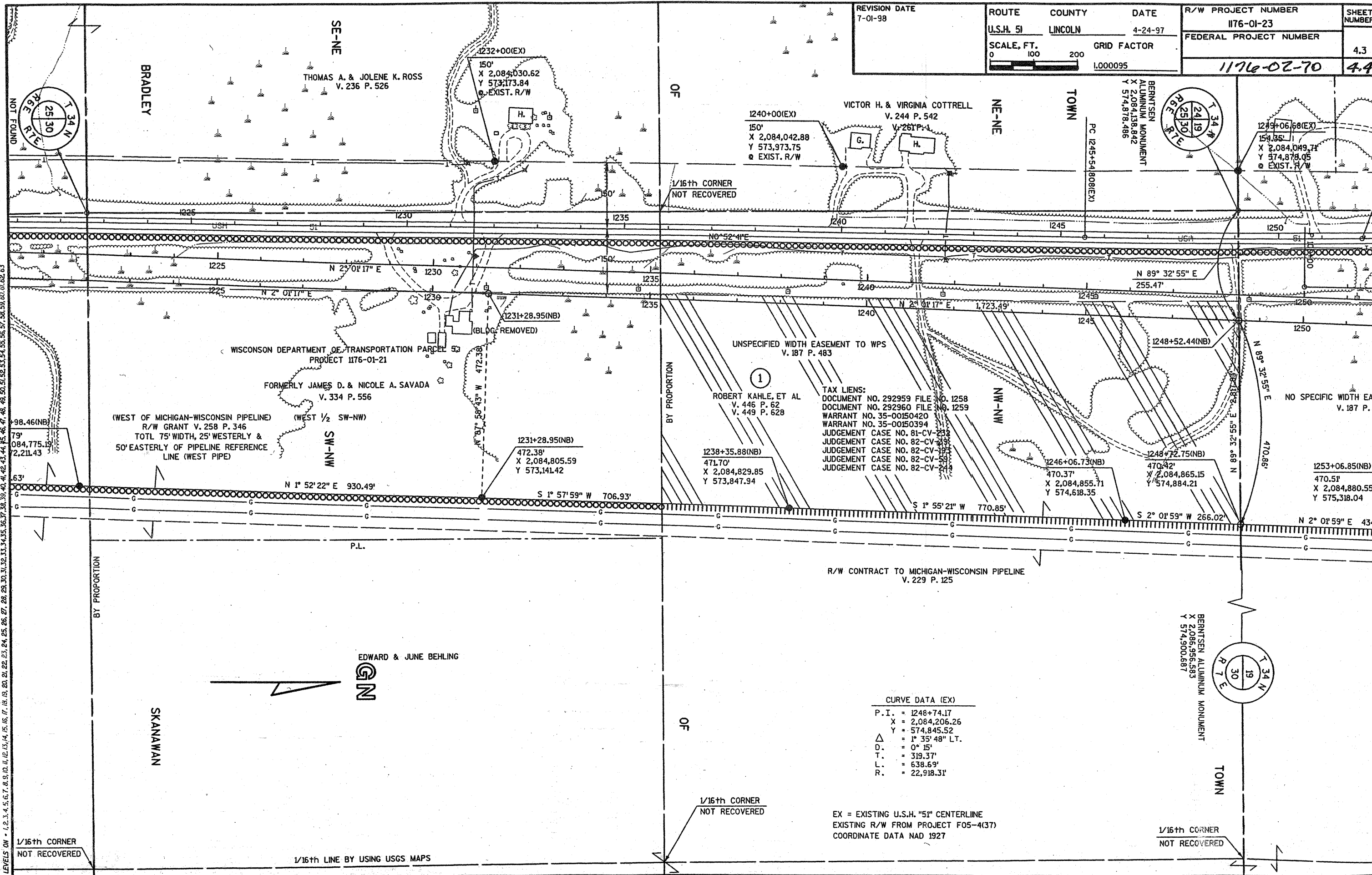
LEVELS ON - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

NOT FOUND

NOT FOUND

NOT FOUND

NOT FOUND



| | | | | | |
|--------------------------|-------------------------|-------------------------|-----------------|--------------------------------------|---------------------|
| REVISION DATE 7-01-98 | ROUTE U.S.H. 51 | COUNTY LINCOLN | DATE 4-24-97 | R/W PROJECT NUMBER 1176-01-23 | SHEET NUMBER 4.3 |
| | SCALE, FT. 0 100 200 | GRID FACTOR 1.000095 | | FEDERAL PROJECT NUMBER 1176-02-70 | 4.4 |

CURVE DATA (EX)

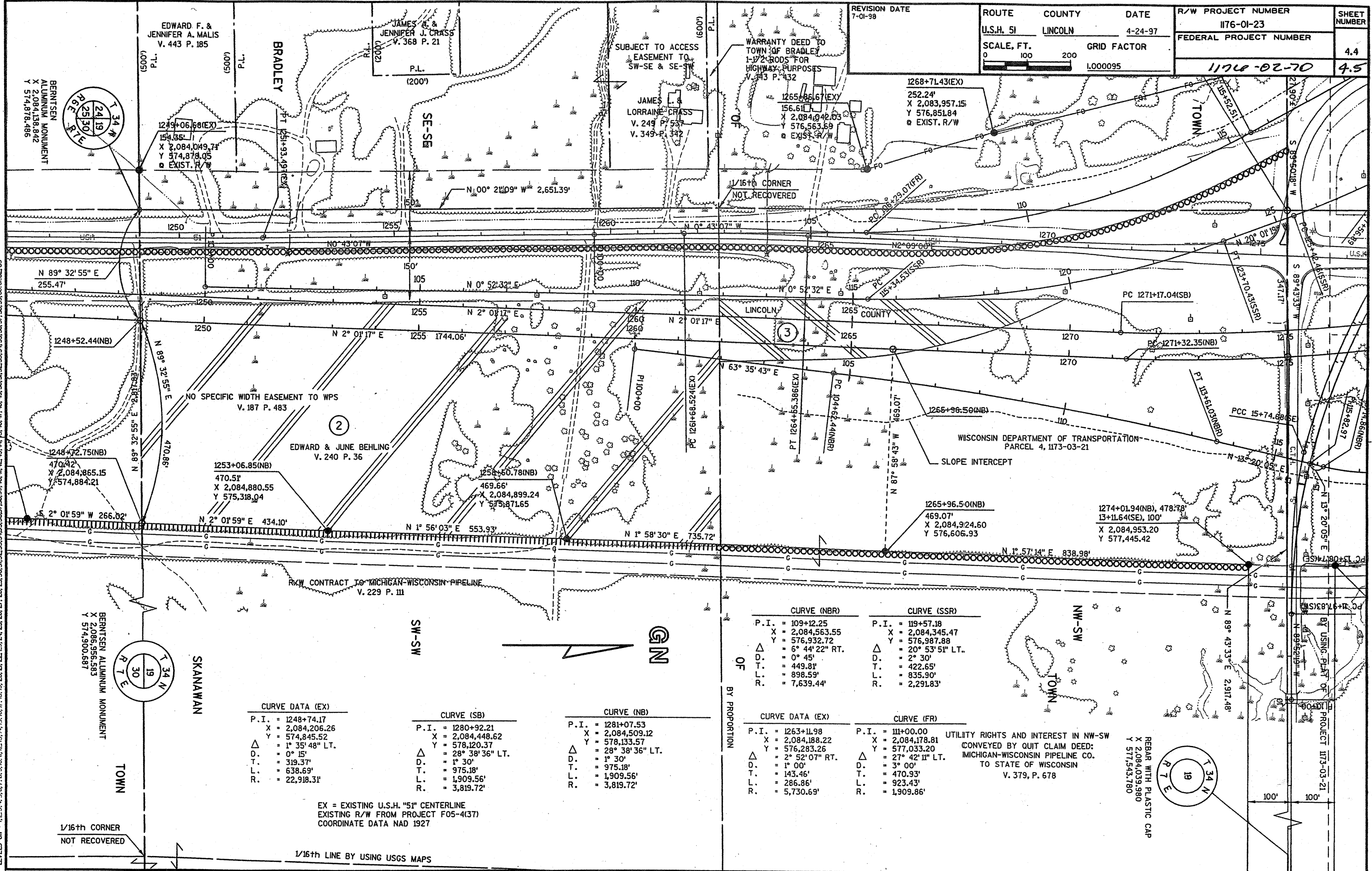
| | |
|------|------------------|
| P.I. | = 1248+74.17 |
| X | = 2,084,206.26 |
| Y | = 574,845.52 |
| Δ | = 1° 35' 48" LT. |
| D. | = 0° 15' |
| T. | = 319.37' |
| L. | = 638.69' |
| R. | = 22,918.31' |

EX = EXISTING U.S.H. "51" CENTERLINE
 EXISTING R/W FROM PROJECT F05-4(37)
 COORDINATE DATA NAD 1927

1/16th CORNER
 NOT RECOVERED

1/16th LINE BY USING USGS MAPS

FILE NAME: D7 1176021176RW3.DON
 ORIGINATOR: DISTRICT 7 RHINELANDER
 REV. DATE: 04-21-97 PLOT SCALE: 1" = 201.20845911000000
 PLOT DATE: 21-DEC-1998 11:16



| | | | | | |
|--------------------------|-------------------------|-------------------------|-----------------|--------------------------------------|---------------------|
| REVISION DATE 7-01-98 | ROUTE U.S.H. 51 | COUNTY LINCOLN | DATE 4-24-97 | R/W PROJECT NUMBER 1176-01-23 | SHEET NUMBER 4.4 |
| | SCALE, FT. 0 100 200 | GRID FACTOR 1.000095 | | FEDERAL PROJECT NUMBER 1176-02-70 | 4.5 |

| CURVE DATA (EX) | | CURVE (SB) | | CURVE (NB) | |
|-----------------|------------------|------------|-------------------|------------|-------------------|
| P.I. | = 1248+74.17 | P.I. | = 1280+92.21 | P.I. | = 1281+07.53 |
| X | = 2,084,206.26 | X | = 2,084,448.62 | X | = 2,084,509.12 |
| Y | = 574,845.52 | Y | = 578,120.37 | Y | = 578,133.57 |
| Δ | = 1° 35' 48" LT. | Δ | = 28° 38' 36" LT. | Δ | = 28° 38' 36" LT. |
| D. | = 0° 15' | D. | = 1° 30' | D. | = 1° 30' |
| T. | = 319.37' | T. | = 975.18' | T. | = 975.18' |
| L. | = 638.69' | L. | = 1,909.56' | L. | = 1,909.56' |
| R. | = 22,918.31' | R. | = 3,819.72' | R. | = 3,819.72' |

| CURVE (NBR) | | CURVE (SSR) | | CURVE DATA (EX) | | CURVE (FR) | |
|-------------|------------------|-------------|-------------------|-----------------|------------------|------------|-------------------|
| P.I. | = 109+12.25 | P.I. | = 119+57.18 | P.I. | = 1263+11.98 | P.I. | = 111+00.00 |
| X | = 2,084,563.55 | X | = 2,084,345.47 | X | = 2,084,188.22 | X | = 2,084,178.81 |
| Y | = 576,932.72 | Y | = 576,987.88 | Y | = 576,283.26 | Y | = 577,033.20 |
| Δ | = 6° 44' 22" RT. | Δ | = 20° 53' 51" LT. | Δ | = 2° 52' 07" RT. | Δ | = 27° 42' 11" LT. |
| D. | = 0° 45' | D. | = 2° 30' | D. | = 1° 00' | D. | = 3° 00' |
| T. | = 449.81' | T. | = 422.65' | T. | = 143.46' | T. | = 470.93' |
| L. | = 898.59' | L. | = 835.90' | L. | = 286.86' | L. | = 923.43' |
| R. | = 7,639.44' | R. | = 2,291.83' | R. | = 5,730.69' | R. | = 1,909.86' |

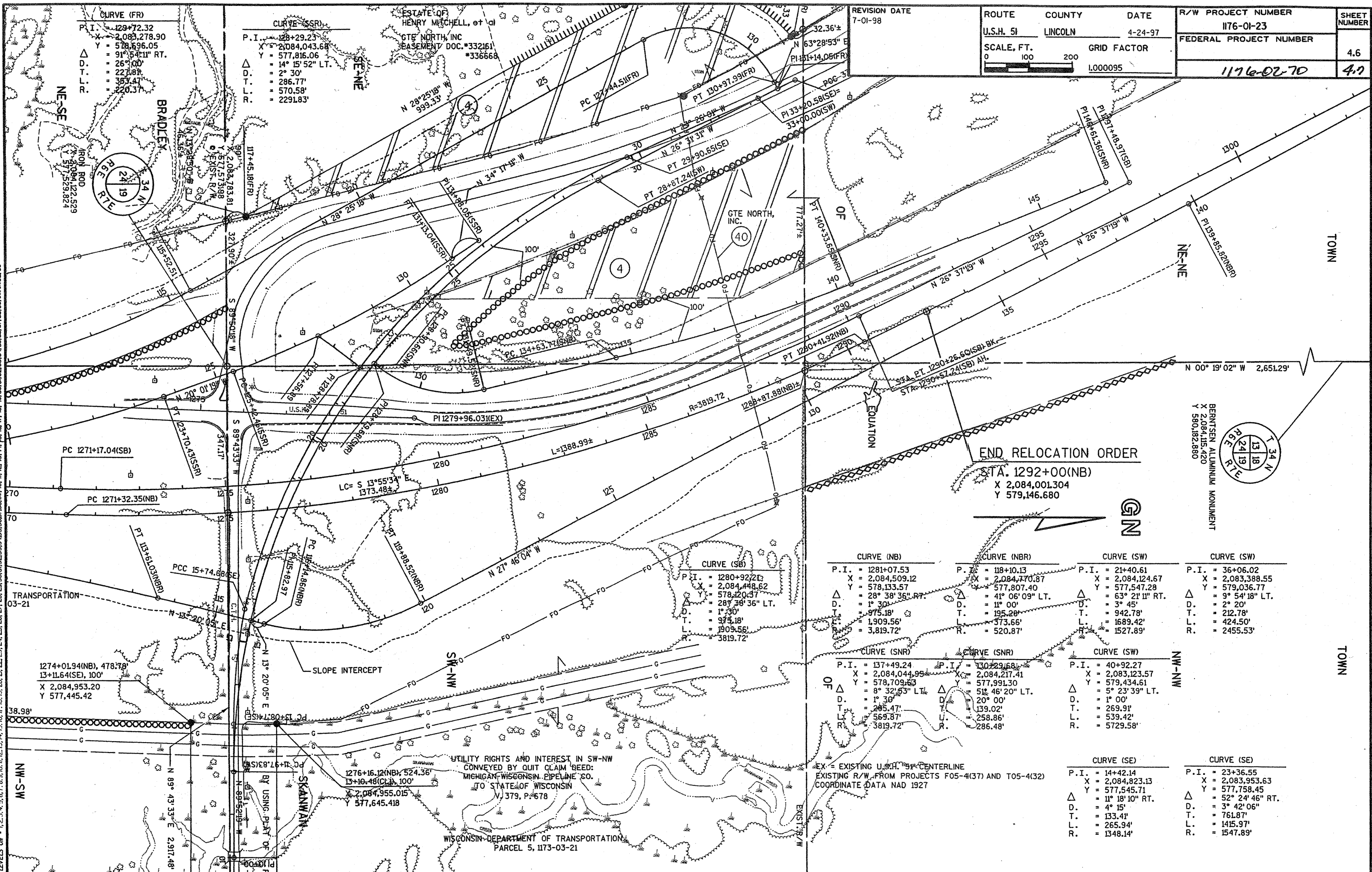
EX = EXISTING U.S.H. "51" CENTERLINE
 EXISTING R/W FROM PROJECT F05-4(37)
 COORDINATE DATA NAD 1927

1/16th LINE BY USING USGS MAPS

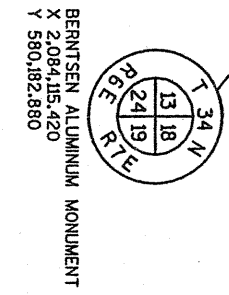
UTILITY RIGHTS AND INTEREST IN NW-SW
 CONVEYED BY QUIT CLAIM DEED:
 MICHIGAN-WISCONSIN PIPELINE CO.
 TO STATE OF WISCONSIN
 V. 379, P. 678

REBAR WITH PLASTIC CAP
 X 2,084,039,980
 Y 577,543,780

FILE NAME: D7 1176021176WS.DGN
 ORIGINATOR: DISTRICT 7 RHINELANDER
 REV. DATE: 04-21-97 PLOT SCALE: 201:2084891:000000 PLOT DATE: 21-DEC-1998 11:19



| | | | | | |
|--------------------------|-------------------------|-------------------------|-----------------|--------------------------------------|---------------------|
| REVISION DATE 7-01-98 | ROUTE U.S.H. 51 | COUNTY LINCOLN | DATE 4-24-97 | R/W PROJECT NUMBER 1176-01-23 | SHEET NUMBER 4.6 |
| | SCALE, FT. 0 100 200 | GRID FACTOR 1.000095 | | FEDERAL PROJECT NUMBER 1176-02-70 | 4.7 |



END RELOCATION ORDER
 STA. 1292+00(NB)
 X 2,084,001.304
 Y 579,146.680

| CURVE (NB) | CURVE (NBR) | CURVE (SW) | CURVE (SW) |
|---|---|---|---|
| P.I. = 1281+07.53 X = 2,084,509.12 Y = 578,133.57 Δ = 28° 38' 36" RT. D. = 1° 30' T. = 975.18' L. = 1,909.56' R. = 3,819.72' | P.I. = 118+10.13 X = 2,084,770.87 Y = 577,807.40 Δ = 41° 06' 09" LT. D. = 11° 00' T. = 195.28' L. = 373.66' R. = 520.87' | P.I. = 21+40.61 X = 2,084,124.67 Y = 577,547.28 Δ = 63° 21' 11" RT. D. = 3° 45' T. = 942.78' L. = 1,689.42' R. = 1,527.89' | P.I. = 36+06.02 X = 2,083,388.55 Y = 579,036.77 Δ = 9° 54' 18" LT. D. = 2° 20' T. = 212.78' L. = 424.50' R. = 2,455.53' |
| CURVE (SE) | CURVE (SE) | CURVE (SNR) | CURVE (SNR) |
| P.I. = 14+42.14 X = 2,084,823.13 Y = 577,545.71 Δ = 11° 18' 10" RT. D. = 4° 15' T. = 133.41' L. = 265.94' R. = 1,348.14' | P.I. = 23+36.55 X = 2,083,953.63 Y = 577,758.45 Δ = 52° 24' 46" RT. D. = 3° 42' 06" T. = 761.87' L. = 1,415.97' R. = 1,547.89' | P.I. = 137+49.24 X = 2,084,044.95 Y = 578,709.63 Δ = 8° 32' 53" LT. D. = 1° 30' T. = 285.47' L. = 569.87' R. = 3,819.72' | P.I. = 130+29.68 X = 2,084,217.41 Y = 577,991.30 Δ = 51° 46' 20" LT. D. = 20° 00' T. = 139.02' L. = 258.86' R. = 286.48' |
| CURVE (SW) | CURVE (SW) | EX = EXISTING U.S.H. 51 CENTERLINE EXISTING R/W FROM PROJECTS F05-4(37) AND T05-4(32) COORDINATE DATA NAD 1927 | |
| P.I. = 40+92.27 X = 2,083,123.57 Y = 579,434.61 Δ = 5° 23' 39" LT. D. = 1° 00' T. = 269.91' L. = 539.42' R. = 5729.58' | P.I. = 40+92.27 X = 2,083,123.57 Y = 579,434.61 Δ = 5° 23' 39" LT. D. = 1° 00' T. = 269.91' L. = 539.42' R. = 5729.58' | | |

UTILITY RIGHTS AND INTEREST IN SW-NW
 CONVEYED BY QUIT CLAIM DEED:
 MICHIGAN WISCONSIN PIPELINE CO.
 TO STATE OF WISCONSIN
 V. 379, P. 678

WISCONSIN DEPARTMENT OF TRANSPORTATION
 PARCEL 5, 1173-03-21

21-DEC-1996 11:20

PLOT DATE:

2012084591000000

REV. DATE:

ORIGINATOR:

FILE NAME:

LEVELS ON - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

| | | | | | |
|--------------------------|-------------------------|-------------------------|-----------------|--------------------------------------|---------------------|
| REVISION DATE 7-01-98 | ROUTE U.S.H. 51 | COUNTY LINCOLN | DATE 4-24-97 | R/W PROJECT NUMBER I176-01-23 | SHEET NUMBER 4.7 |
| | SCALE, FT. 0 100 200 | GRID FACTOR 1.000095 | | FEDERAL PROJECT NUMBER 1176-02-70 | 4.8 |

