

PLAN SYMBOLS

STATE LINE	---
COUNTY LINE	----
TOWNSHIP OR RANGE LINE	-----
SECTION LINE	-----
QUARTER LINE	-----
SIXTEENTH LINE	-----
EXISTING RIGHT OF WAY LINE	=====
PROPOSED RIGHT OF WAY LINE	=====
PROPERTY LINE	=====
CORPORATE OR CITY LIMITS	=====
RAILROAD	=====
RAILROAD RIGHT-OF-WAY	=====
RIVER OF CREEK	=====
CULVERT	=====
GUARDRAIL	=====
WOOD FENCE	=====
BARBED WIRE FENCE	=====
WOVEN WIRE FENCE	=====
CHAIN LINK FENCE	=====
TIMBER WALL	=====
STONE WALL	=====
HEDGE	=====
RAILROAD CROSSING SIGN	=====
CROSSING GATE	=====
MEANDER CORNER	=====
SLOPE EASEMENT (CONST. LIMITS)	=====
MARSH	=====
DECIDUOUS TREE	=====
CONIFEROUS TREE	=====
BUSH OR SHRUB	=====
WOODS	=====
CATCH BASIN	=====
BRIDGE	=====
IRON PIPE OR ROD	=====
MONUMENT (STONE, CONCRETE OR METAL)	=====
WOODEN HUB	=====

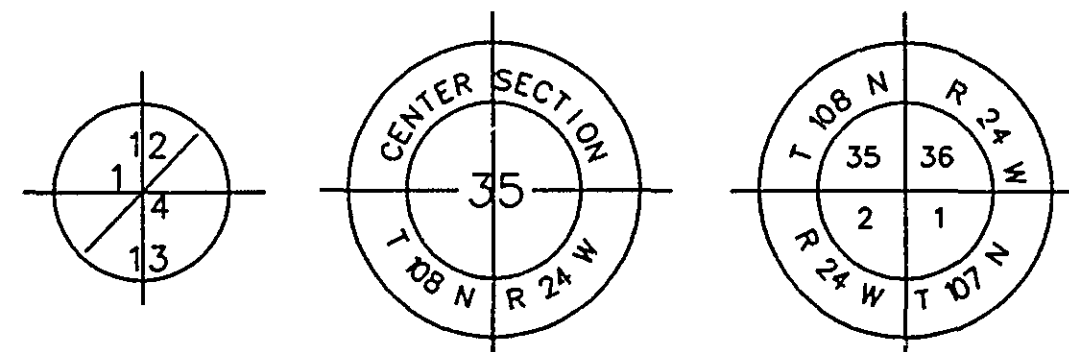
UTILITY SYMBOLS

UTILITY POLE	=====
GUY OR ANCHOR	=====
STREET LIGHT	=====
TELEPHONE PEDESTAL	=====
GAS MAIN	=====
WATER MAIN	=====
TELEPHONE VAULT	=====
ELECTRIC VAULT	=====
TELEPHONE CABLE	=====
ELECTRIC CABLE	=====
STORM SEWER	=====
SANITARY SEWER	=====
SEWER MANHOLE	=====
GATE VALVE	=====
CONTROLLER CABINET	=====
EXISTING HYDRANT	=====
CABLE TELEVISION-BURIED	=====
FIBER OPTIC CABLE	=====
TRAFFIC SIGNAL LINE	=====
TRAFFIC SIGNAL HAND HOLE	=====

FOR PLANS AND UTILITIES SYMBOLS SEE
MN/DOT TECHNICAL MANUAL.

-GOVERNING SPECIFICATIONS-

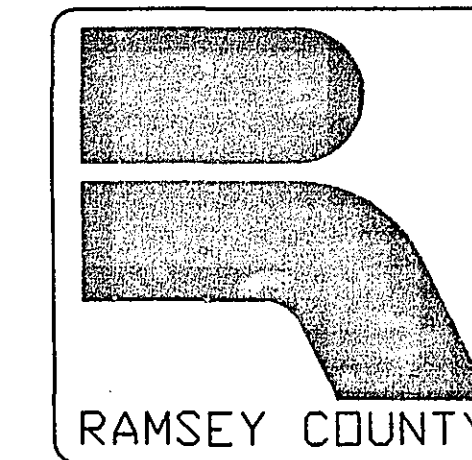
THE 1988 EDITION OF THE MINNESOTA DEPARTMENT
OF TRANSPORTATION "STANDARD SPECIFICATION
FOR CONSTRUCTION" AS AMENDED BY THE MAY
2, 1994 "SUPPLEMENTAL SPECIFICATIONS" SHALL
GOVERN.



SCALES IN FEET

PLAN	0 20 40 60
PROFILE HORIZ.	0 20 40 60
PROFILE VERT.	0 5 10

GROSS LENGTH	3250 FEET	0.62 MILES
BRIDGE LENGTH	47 FEET	0.01 MILES
EXCEPTIONS	----	----
NET LENGTH	3203 FEET	0.61 MILES



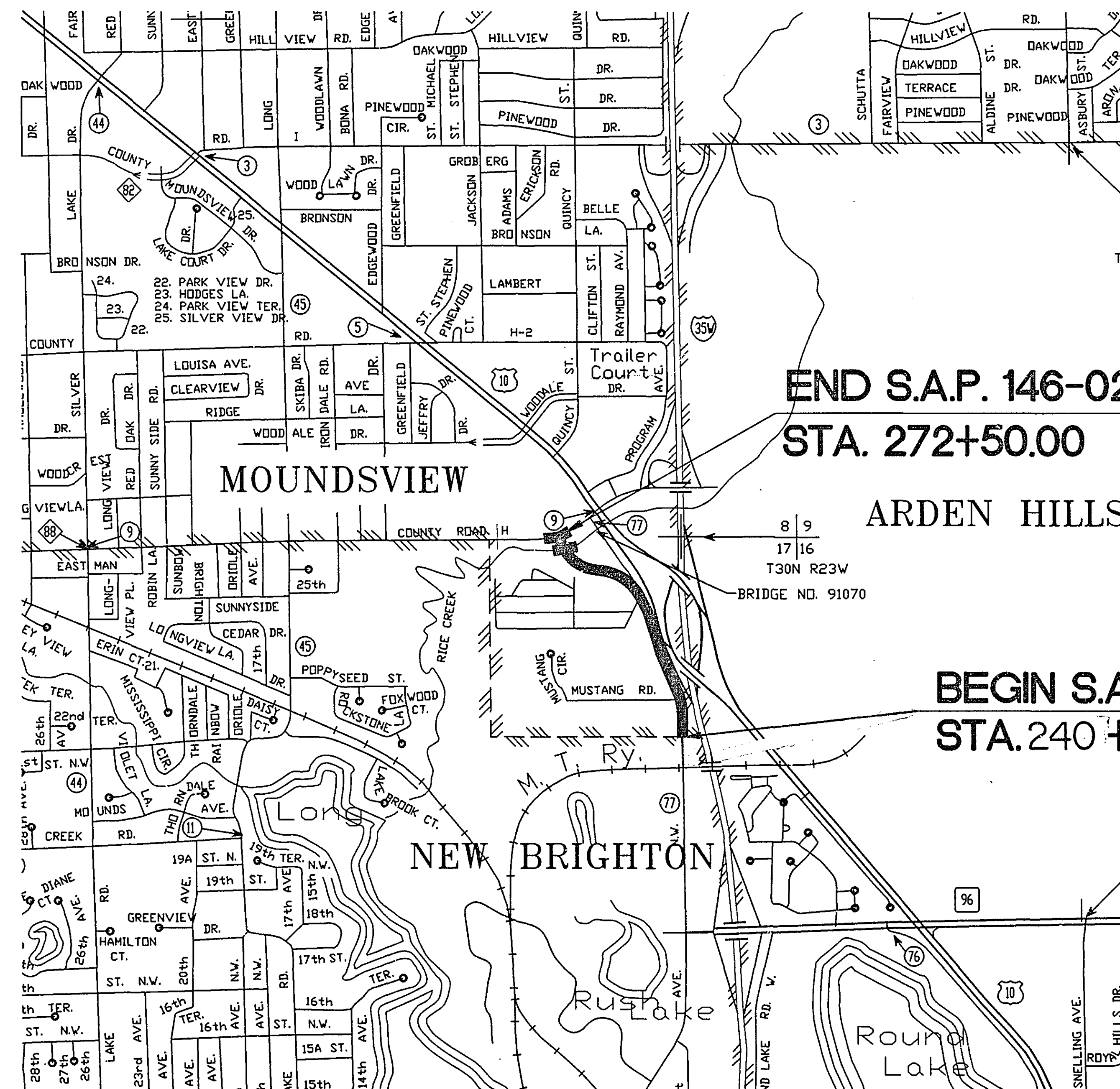
RAMSEY COUNTY DEPARTMENT OF PUBLIC WORKS

RIGHT OF WAY PLAN FOR

OLD HIGHWAY 8 (CSAH 77)

S.A.P. No. 146-020-08

BETWEEN: SOUTH CITY LIMITS OF MOUNDSVIEW TO
COUNTY ROAD H (CSAH 9)



END S.A.P. 146-020-08
STA. 272+50.00

ARDEN HILLS

BEGIN S.A.P. 146-020-08
STA. 240+00.00

INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	TYPICAL SECTIONS
3	CONSTRUCTION ALIGNMENTS
4-11	PLAN AND PROFILE
12-13	SUPPLEMENTAL SURVEY DATA

THIS PLAN CONTAINS 11 SHEETS
13

DESIGN SQUAD STEVE BRITZ, BOB JOHNSON DATE 8/29/96

DRAWN BY STEVE BRITZ DATE 8/29/96

CHECKED BY BOB JOHNSON DATE 8/29/96

RECOMMENDED FOR APPROVAL *[Signature]* DATE 9-24-96

RECOMMENDED FOR APPROVAL *[Signature]* DATE 9-24-96

RECOMMENDED FOR APPROVAL *[Signature]* DATE 9-24-96

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I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT
SUPERVISION AND THAT I AM A JULY REGISTERED PROFESSIONAL ENGINEER UNDER THE
LAWS OF THE STATE OF MINNESOTA.

Kathy Jassike REG. NO. 21864 DATE 9/24/96

RECOMMENDED FOR APPROVAL *[Signature]* DATE 9/24/96

RECOMMENDED FOR APPROVAL *[Signature]* DATE 9/24/96

APPROVED *[Signature]* DATE 9/24/96

CITY OF MOUNDSVIEW

DESIGN DESIGNATION

MINNESOTA TRANSFER RAILROAD TO COUNTY ROAD H

PRESENT ADT (1997)	8,100
PROJECTED ADT (2017)	13,800
FUNCTIONAL CLASS	MINOR ARTERIAL
TRAFFIC LANES	4
PARKING LANES	0
DESIGN LOAD	10 TON
STABILOMETER "R" VALUE	70
DESIGN SPEED	40
Σ N18 25 YEAR	3,689,000

BASED ON STOPPING DISTANCE
HEIGHT OF EYE: 3.50 FEET
HEIGHT OF OBJECT: 0.50 FEET

DESIGN SPEED NOT ACHIEVED AT: STA. 265+25.81
TO STA. 271+02.29 (35 MPH)

PLAN REVISIONS

DATE	SHEET NO. & DESCRIPTION	BY
09/23/96	SHEET 6, PARCEL 10 PROP. R/W LINE	SHB
09/23/96	SHEET 1, MN/DOT REVIEW	SHB
2/24/97	ADDED SHEETS 12 & 13	SHB
2/24/97	COMBINED PARCELS 13 & 14	SHB
2/24/97	ADDED PARCELS 15 & 16	SHB

RECOMMENDED FOR APPROVAL *[Signature]* DATE 9/24/96

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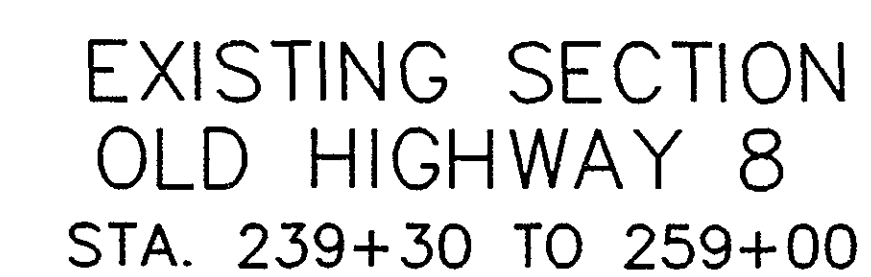
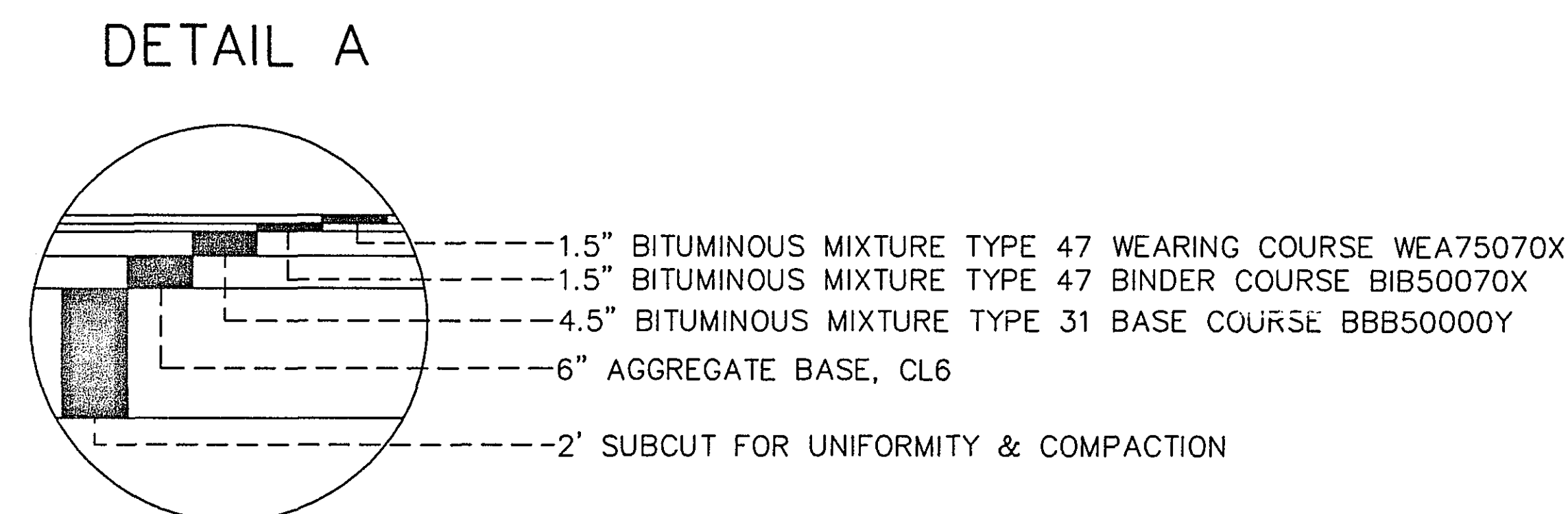
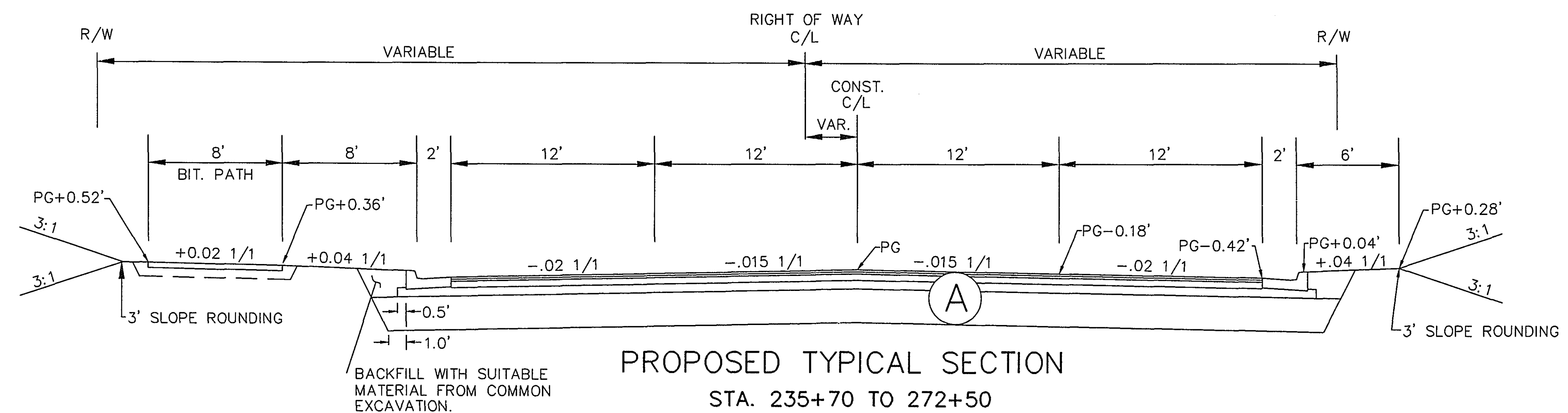
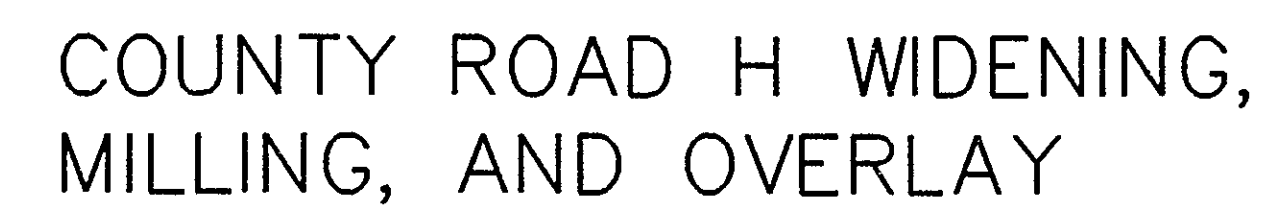
APPROVED *[Signature]* DATE 9/24/96

STATE AID ENGINEER

28-147

S.A.P. No. 146-020-08

Sheet No. 1 of 13 Sheets



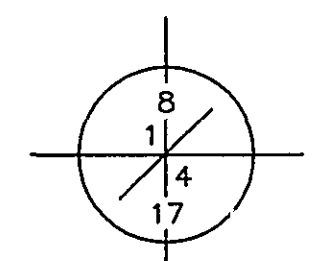
REG. NO.	DATE
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REVISÉD 2-24-97

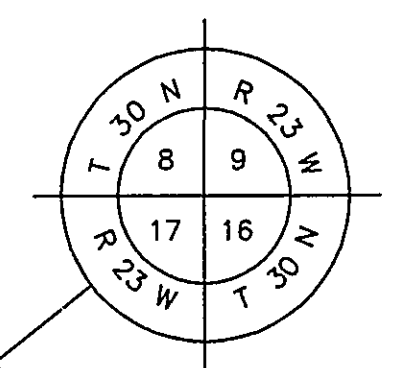
S.A.P. NO. 146-020-08 SHEET NO. 2 OF 13 SHEETS

28-147

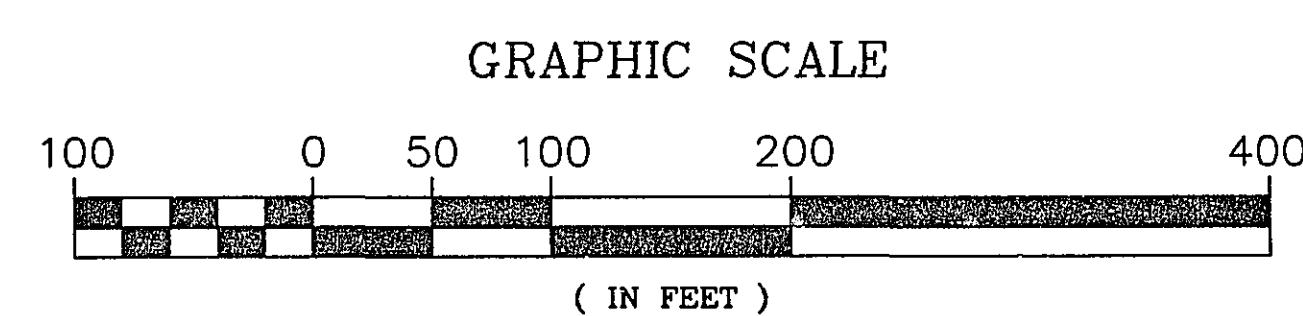
TYPICAL SECTIONS
SLOPE ROUNDING DETAIL



NO. 104
CAST IRON
MONUMENT
N 210339.681
E 547727.672



NO. 105
MISCELLANEOUS
MONUMENT
N 210338.307
E 550353.563



END PROJECT

ALIGNMENT A STA. 272+83.96 =
ALIGNMENT D STA. 37+01.60
N 210375.7999
E 548793.6871

COUNTY ROAD H

ALIGNMENT D

ALIGNMENT E

ALIGNMENT E STA. 0+00
N 210273.4551
E 549028.0418

PT = 271+02.29
N 210207.2296
E 548861.4102

ALIGNMENT C

PT = 3+75.60
N 210107.7597
E 549543.8528

PCC = 2+56.69
N 210007.1082
E 549607.0666

PC = 1+51.58
N 209912.1607
E 549588.6555

PT = 1+14.35
N 209888.7895
E 549559.6679

PC = 0+57.76
N 209843.0076
E 549527.7144

CURVE TABLE

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
A-1	2979.57'	199.92'	100.00'	199.89'	03°50'40"
A-2	1000.00'	307.33'	154.89'	306.12'	17°36'32"
A-3	1145.92'	212.78'	106.69'	212.47'	10°38'20"
A-4	670.00'	763.78'	429.44'	723.09'	65°18'56"
A-5	603.11'	576.48'	312.40'	554.79'	54°45'58"
B-1	65.00'	33.57'	17.17'	33.20'	29°35'19"
C-1	100.00'	56.58'	29.07'	55.83'	32°25'09"
C-2	75.00'	105.11'	63.26'	96.72'	80°17'51"
C-3	1152.42'	118.91'	59.51'	118.86'	05°54'43"
D-1	572.96'	351.17'	181.30'	345.70'	35°07'00"

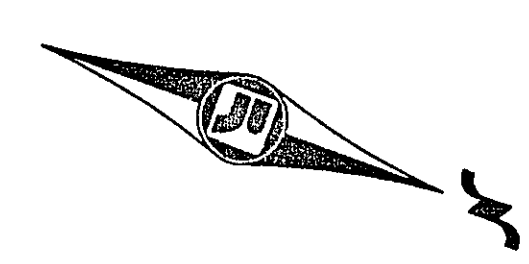
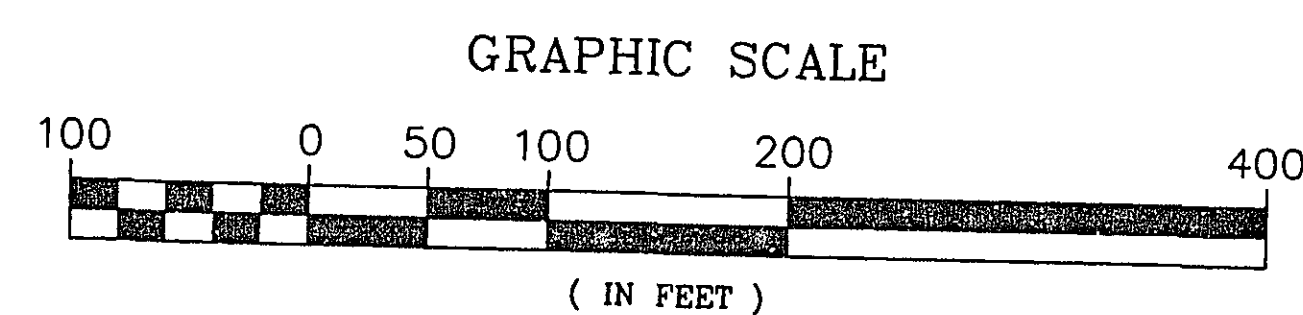
ALIGNMENT A

ALIGNMENT A STA. 262+87.17 =
ALIGNMENT C STA. 0+00
N 209788.2932
E 549509.1908

PARK ENT.

MATCH LINE

BEGIN PROJECT



ALIGNMENT A
STA. 234+00
N 207165.8297
E 550390.9148

PC = 236+34.86
N 207400.6821
E 550386.768

PT = 238+34.79
N 207600.3874
E 550380.2374

NO. 130
CAST IRON
MONUMENT
N 207695.267
E 550381.575

PC = 241+89.76
N 207954.3325
E 550353.2005

PT = 244+97.10
N 208252.4021
E 550283.4391

ALIGNMENT A

PC = 250+54.50

PT = 252+67.27

N11°20'18"W

PC = 255+86.04
N 208285.3986
E 549951.2645

WINSOR WAY

ALIGNMENT B

ALIGNMENT A STA. 258+42.75 =
ALIGNMENT B STA. 0+00
N 209521.4352
E 549854.3878

PT = 0+87.10
N 209467.3518
E 549787.469

PC = 0+53.53
N 209492.0539
E 549809.6442

EQUATION
PT = 263+49.82 BACK =
STA 263+54.00 AHEAD =
N 209805.5813
E 549448.9984

MATCH LINE

PARK ENT.

RAMSEY COUNTY MONUMENTS 104, 105, AND 130 AS PUBLISHED IN THE "RAMSEY COUNTY PUBLIC WORKS LAND SURVEY DIVISION NORTH AMERICAN DATUM OF 1983 COORDINATES."

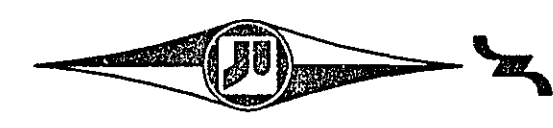
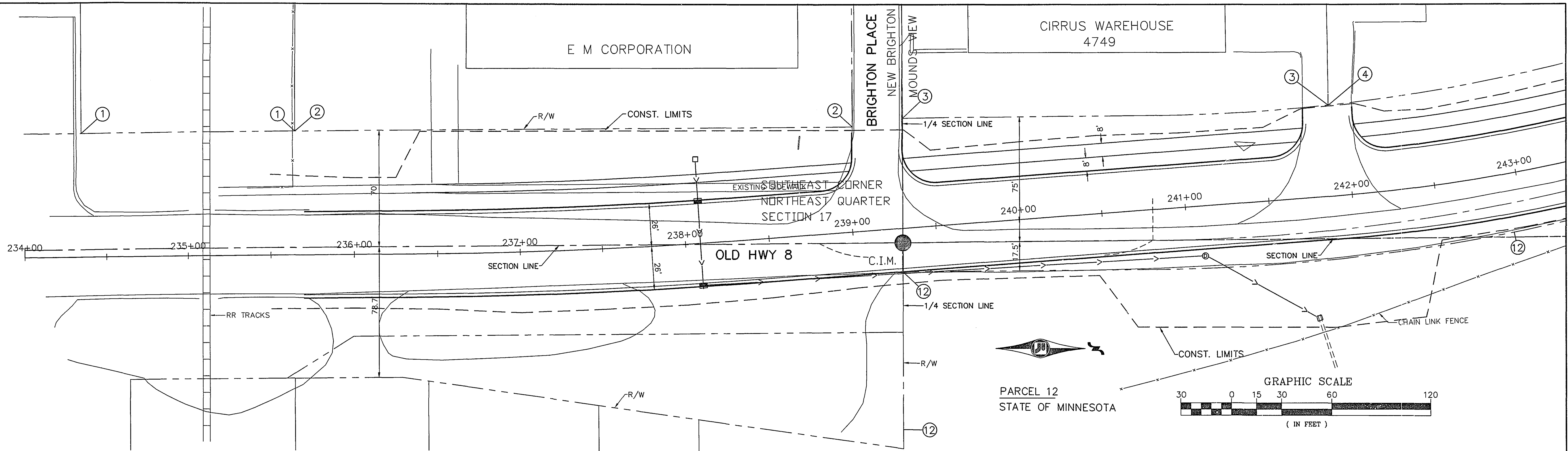
I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER LAWS OF THE STATE OF MINNESOTA.
REG. NO. _____ DATE _____

REVISED 2-24-97

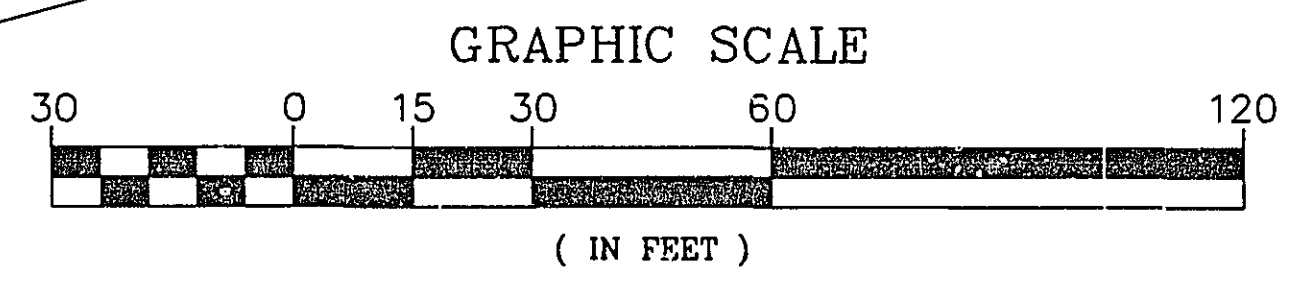
S.A.P. 146-020-08

SHEET NO. 3 OF 13 SHEETS

ALIGNMENT

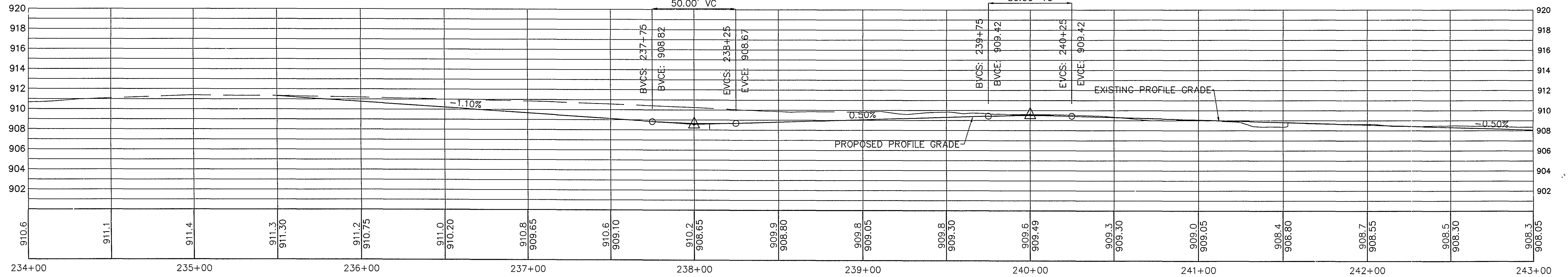


PARCEL 12
STATE OF MINNESOTA



LOW POINT ELEV = 908.64
LOW POINT STA = 238+09.38
PVI STA = 238+00
PVI ELEV = 908.55
A.D. = 1.60
K = 31.25
50.00' VC

HIGH POINT ELEV = 909.49
HIGH POINT STA = 240+00
PVI STA = 240+00
PVI ELEV = 909.55
A.D. = -1.00
K = 50.00
50.00' VC



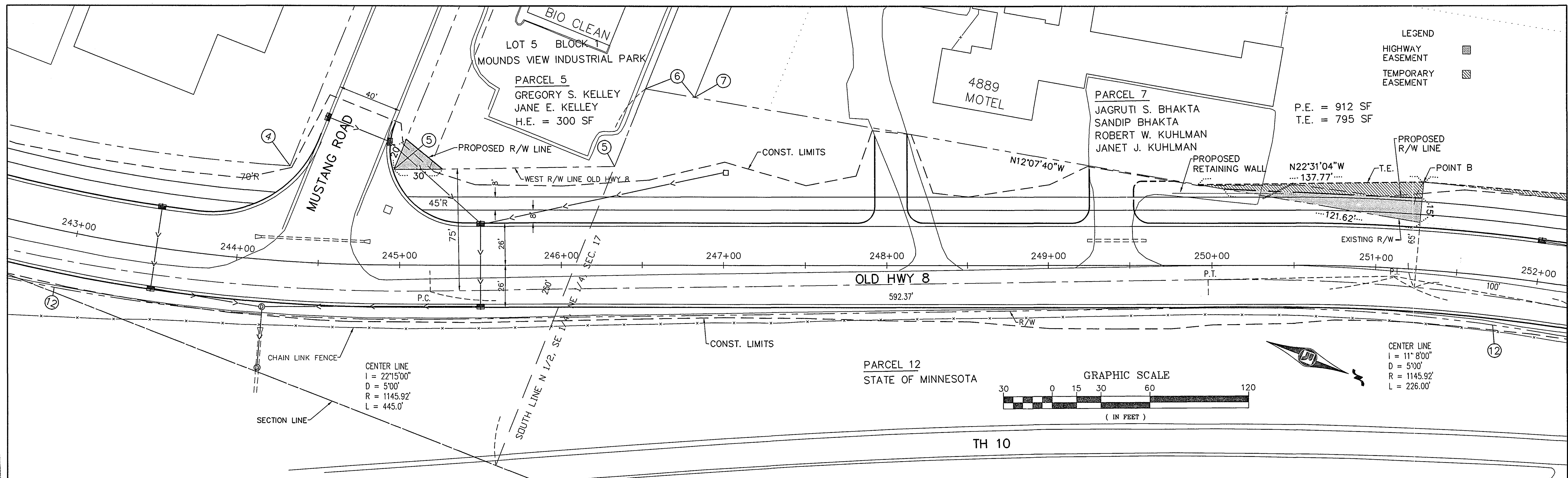
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REG. NO. _____ DATE _____

REVISED 2-24-97

28-147
PLAN & PROFILE
STA. 234+00 TO 243+00

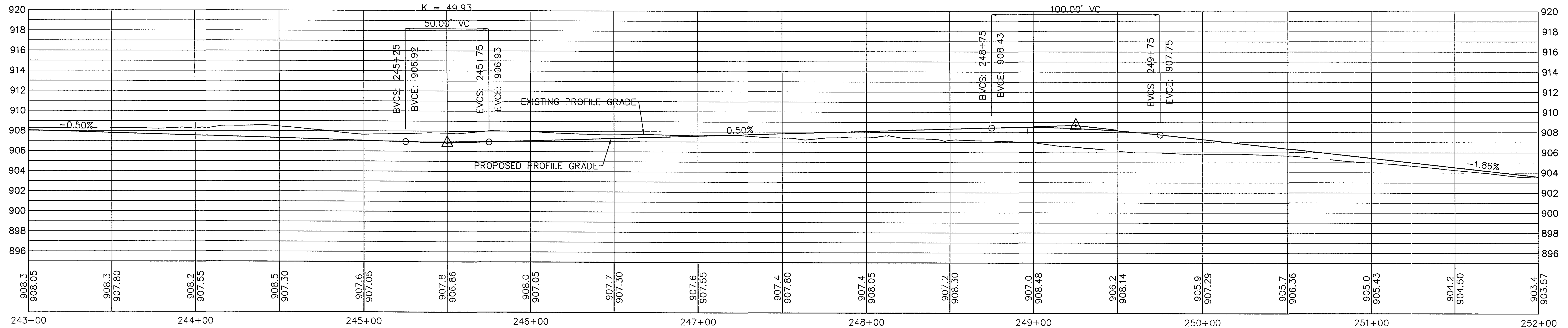
S.A.P. 146-020-08

SHEET NO. 4 OF 13 SHEETS



LOW POINT ELEV = 906.86
LOW POINT STA = 245+49.97
PVI STA = 245+50
PVI ELEV = 906.80
A.D. = 1.00
K = 49.93

HIGH POINT ELEV = 908.48
HIGH POINT STA = 248+96.24
PVI STA = 249+25
PVI ELEV = 908.68
A.D. = -2.36
K = 42.36
100.00' VC



I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER LAWS OF THE STATE OF MINNESOTA.

REG. NO. _____ DATE _____

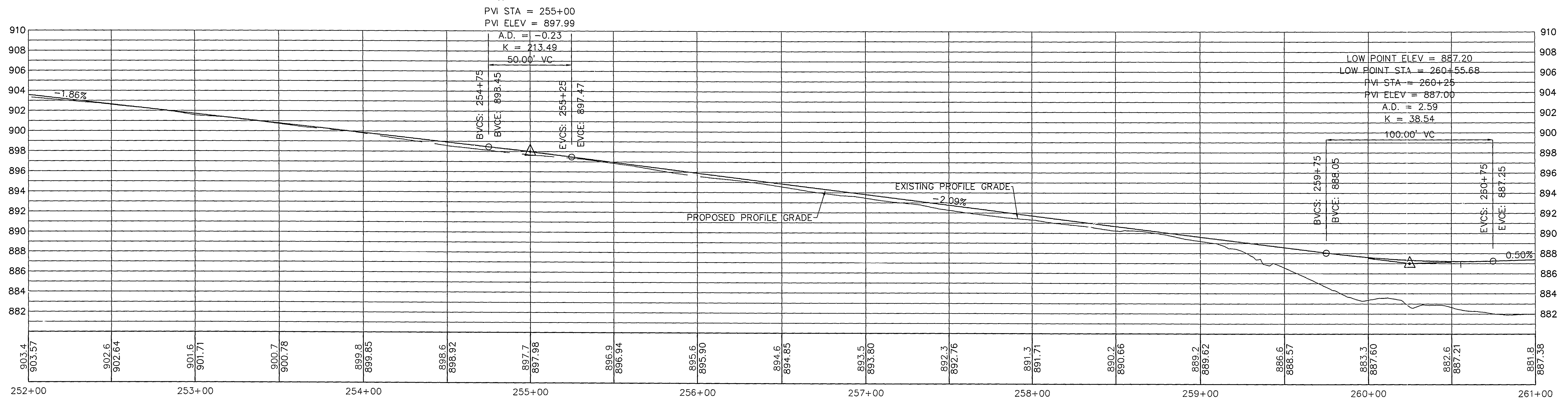
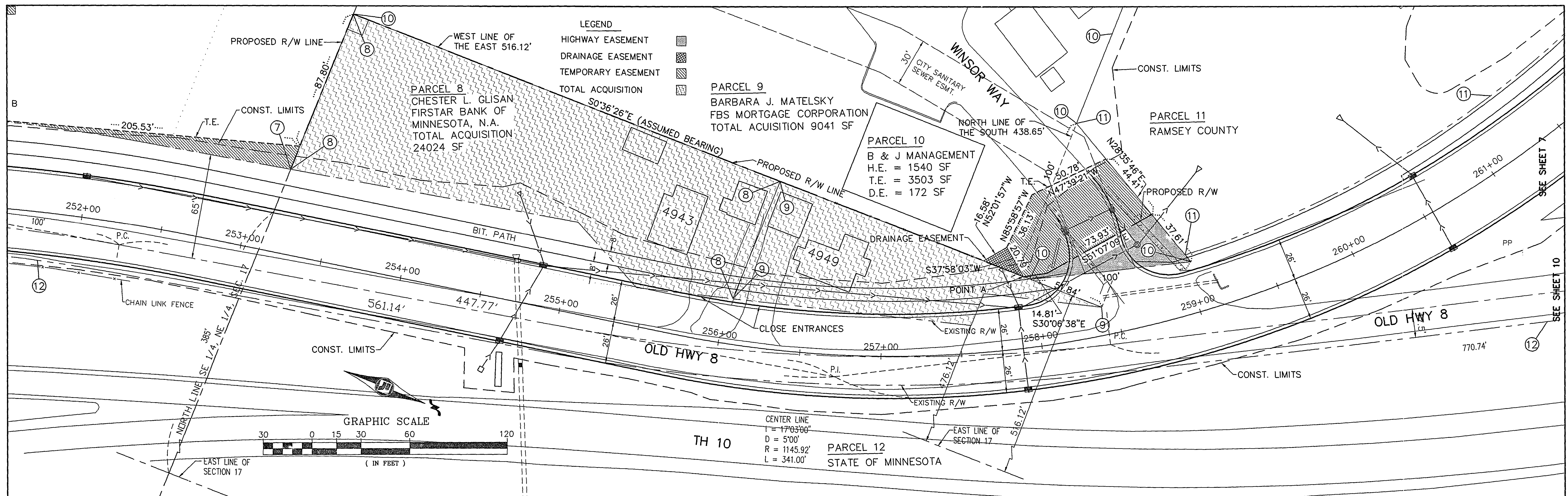
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S.A.P. 146-020-08

SHEET NO. 5 OF 13 SHEETS

PLAN & PROFILE
STA. 243+00 TO 252+00

28-147



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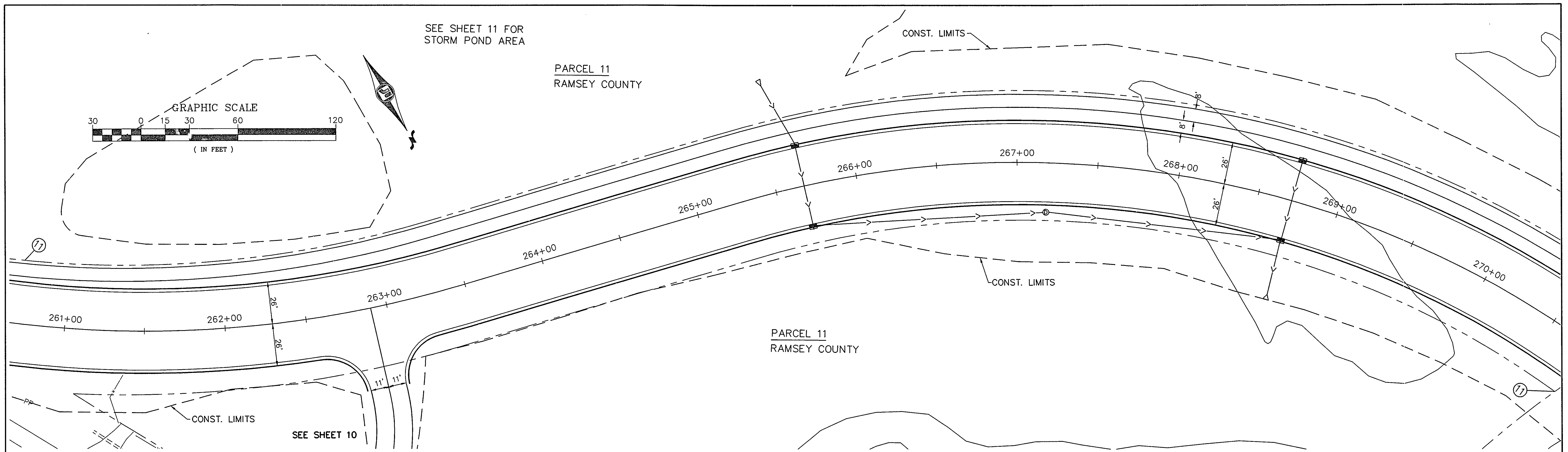
REG. NO.	DATE
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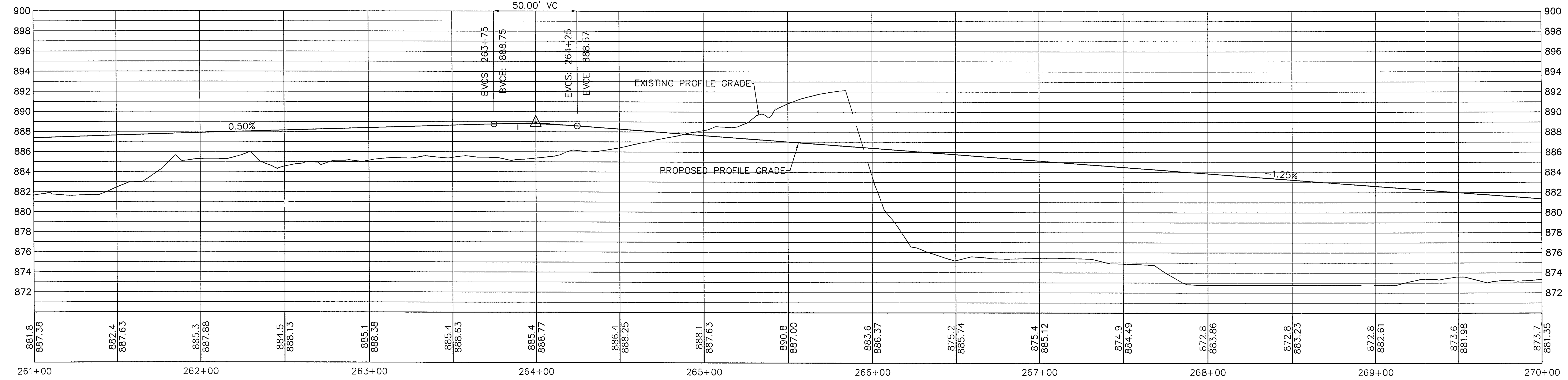
 S.A.P. 146-020-08

SHEET NO. 6 OF 13 SHEETS

28-147
PLAN & PROFILE
STA. 252+00 TO 261+00



HIGH POINT ELEV = 888.79
HIGH POINT STA = 263+89.28
PVI STA = 264+00
PVI ELEV = 888.88
A.D. = -1.76
K = 28.48
50.00' VC

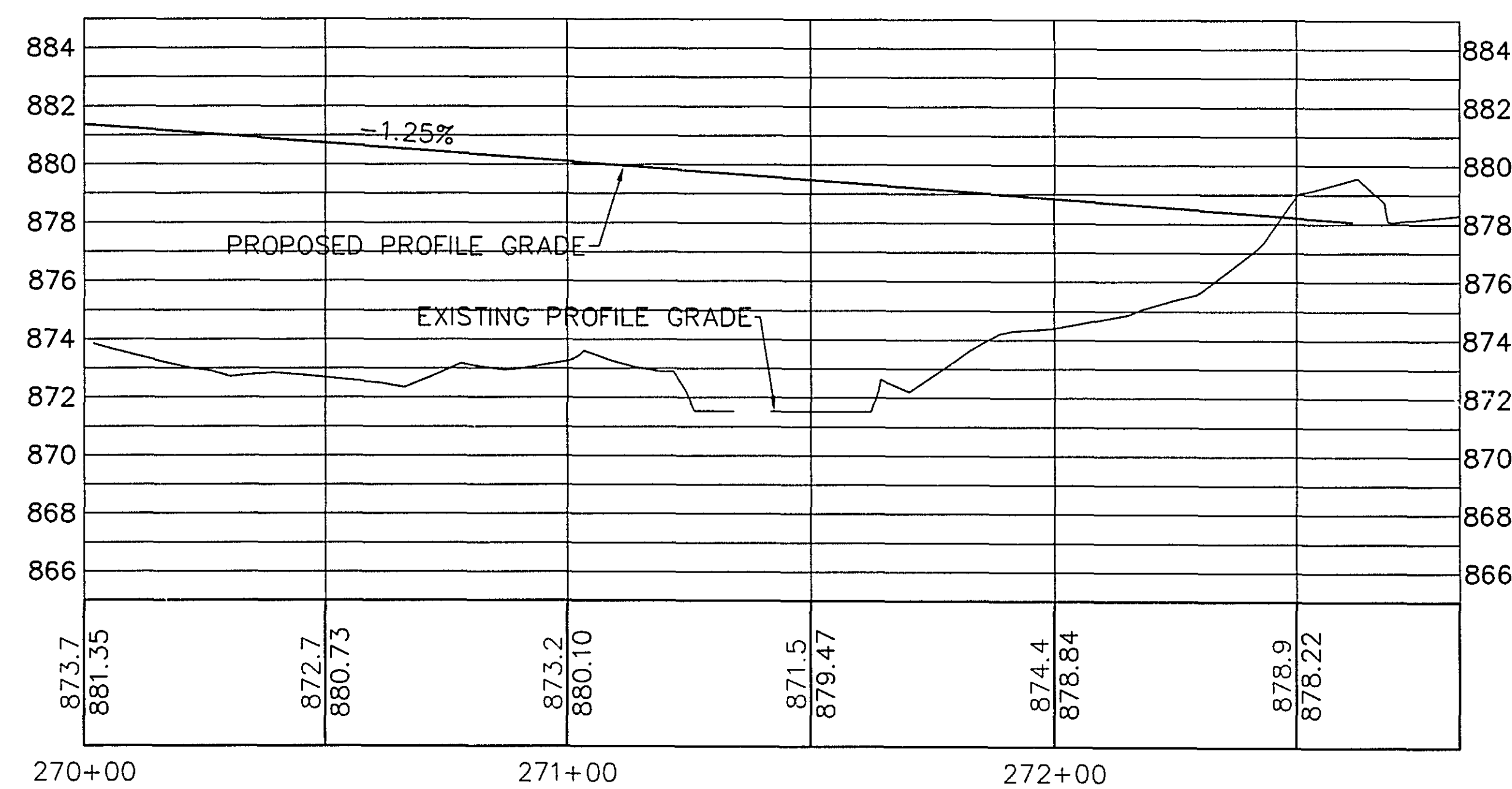
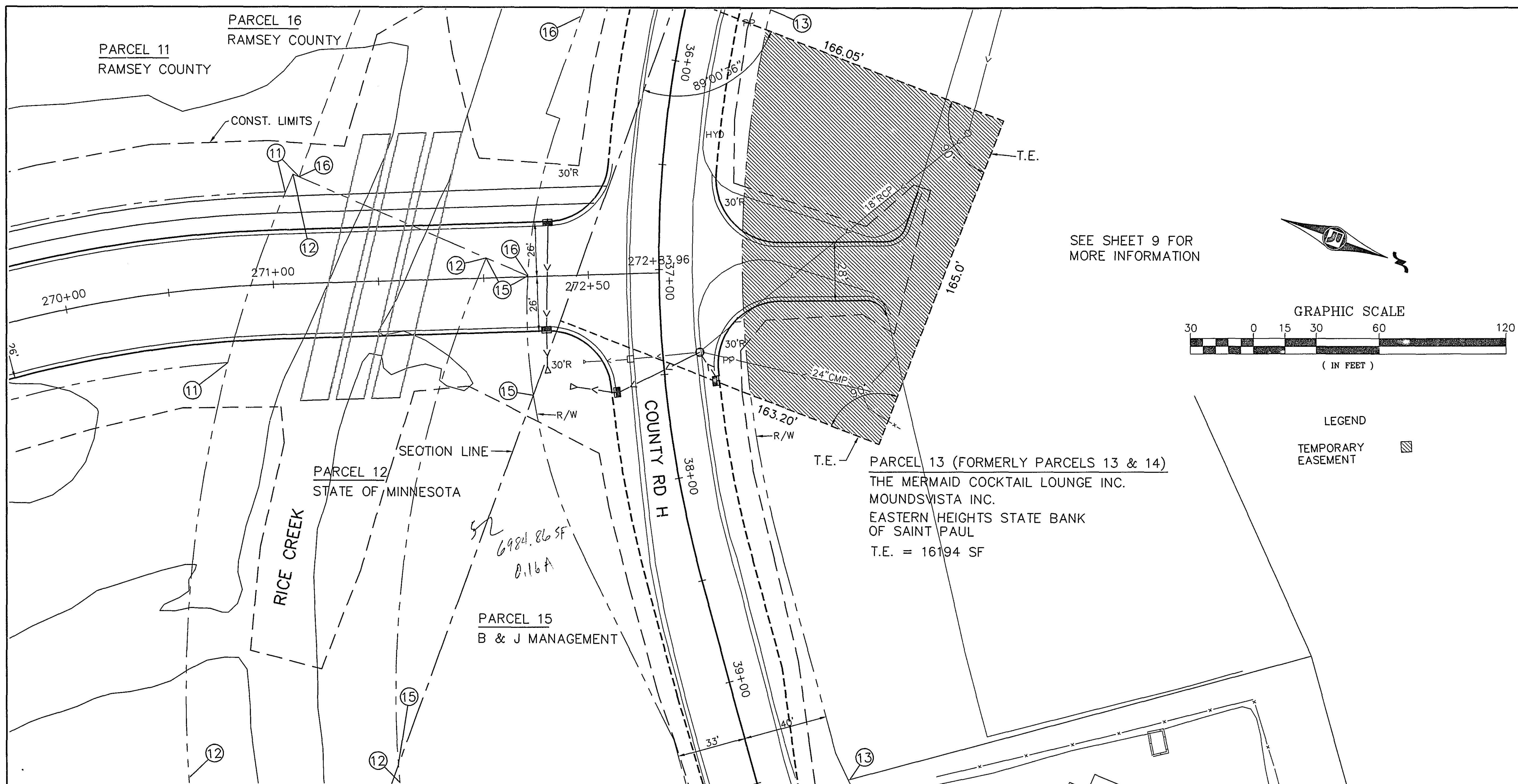


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S.A.P. 146-020-08

28-147
PLAN & PROFILE
STA. 261+00 TO 270+00
SHEET NO. 7 OF 13 SHEETS



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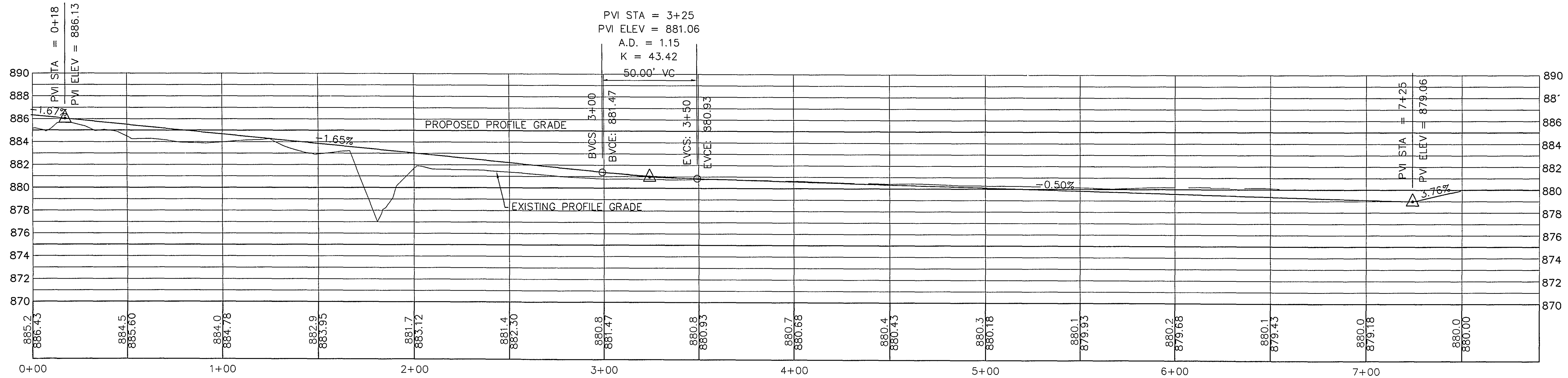
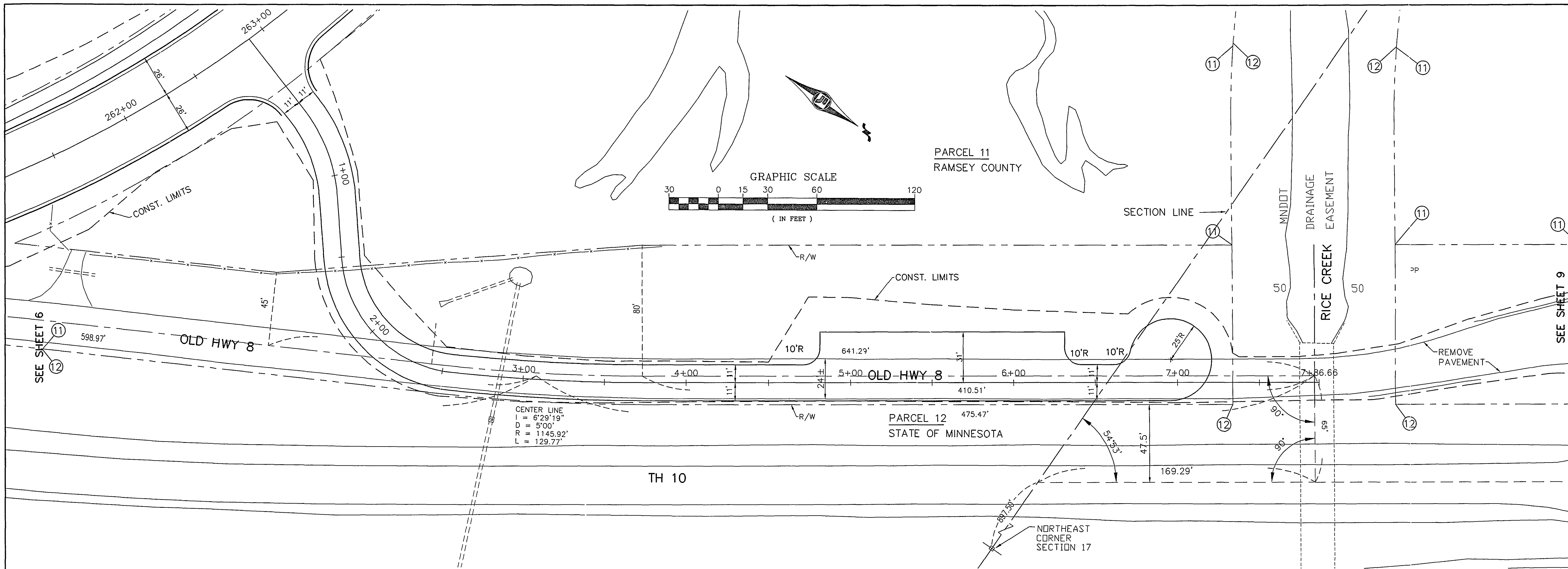
REG. NO. _____ DATE _____

REVISED 2-24-97

S.A.P. 146-020-08

28-147
PLAN & PROFILE
STA. 270+00 TO COUNTY ROAD H

SHEET NO. 8 OF 13 SHEETS



I HEREBY CERTIFY THAT THIS PLAN WAS
PREPARED BY ME OR UNDER MY DIRECT
SUPERVISION AND THAT I AM A DULY
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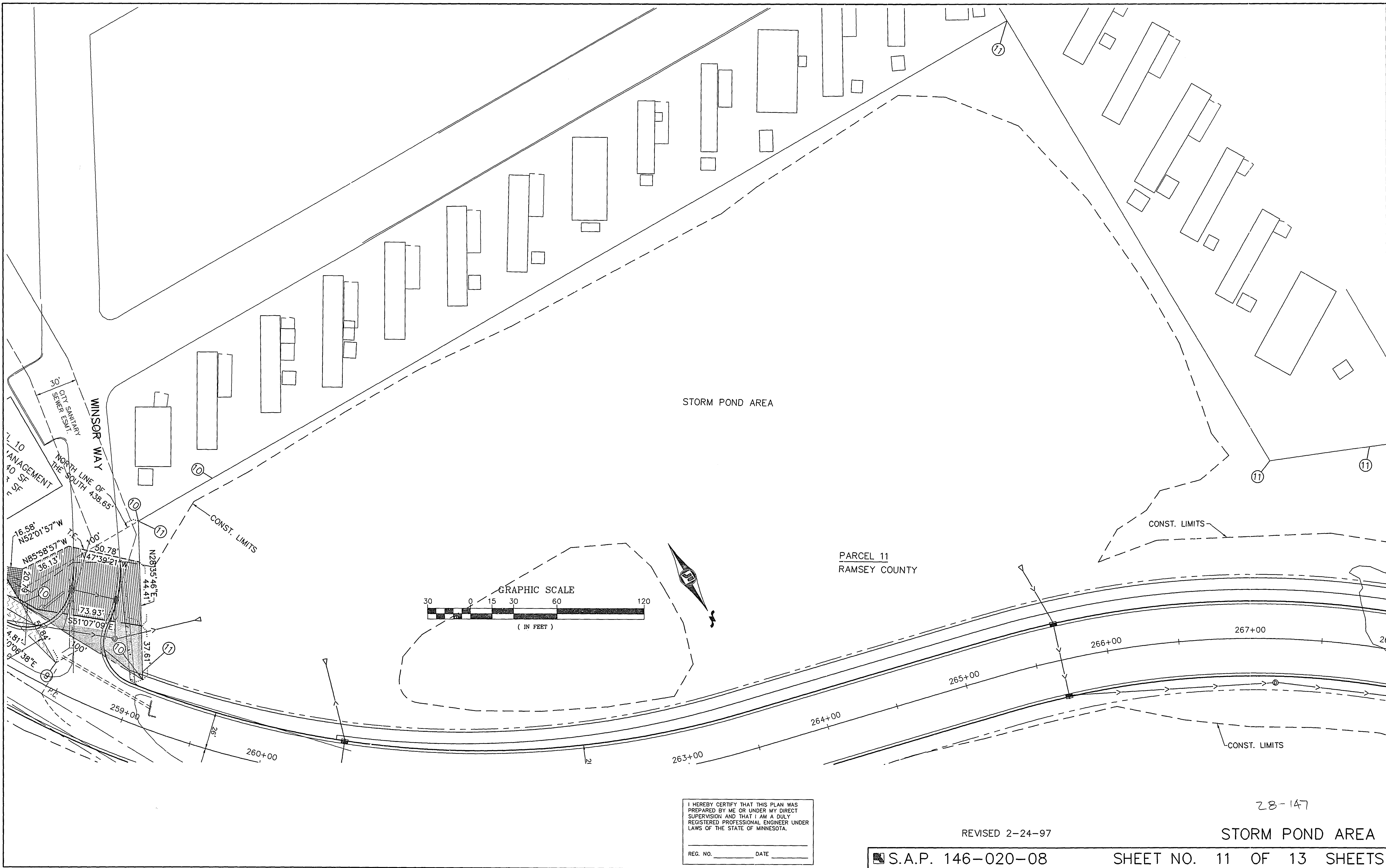
REG. NO. _____ DATE _____

REVISED 2-24-97

S.A.P. 146-020-08

SHEET NO. 10 OF 13 SHEETS

28-147
PLAN & PROFILE
PARK ENTRANCE



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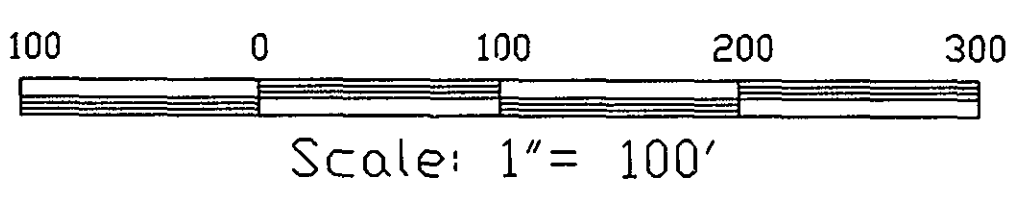
REVISED 2-24-97

S.A.P. 146-020-08

SHEET NO. 11 OF 13 SHEETS

STORM POND AREA

28-147



THE CENTERLINE OF HIGHWAY 10 IN THE SE 1/4, SE 1/4, SEC. 8 IS DESCRIBED AS BEGINNING AT A POINT ONLY 896.5 FEET WEST OF THE SOUTHEAST CORNER OF SECTION 8. SEE DOC. 1038104. THIS DIFFERENCE MAY AFFECT THE LOCATION OF THE ADJOINING PROPERTY DESCRIPTIONS.

SOUTH LINE OF SECTION 8
NORTH LINE OF SECTION 17

C.I.M.
NORTHEAST CORNER SECTION 17

EAST LINE OF SECTION 17

CENTER LINE
I=6°29'19"
D=5°00'
R=1145.92
L=129.77

CENTER LINE
I=17°03'00"
D=5°00'
R=1145.2
L=341.00

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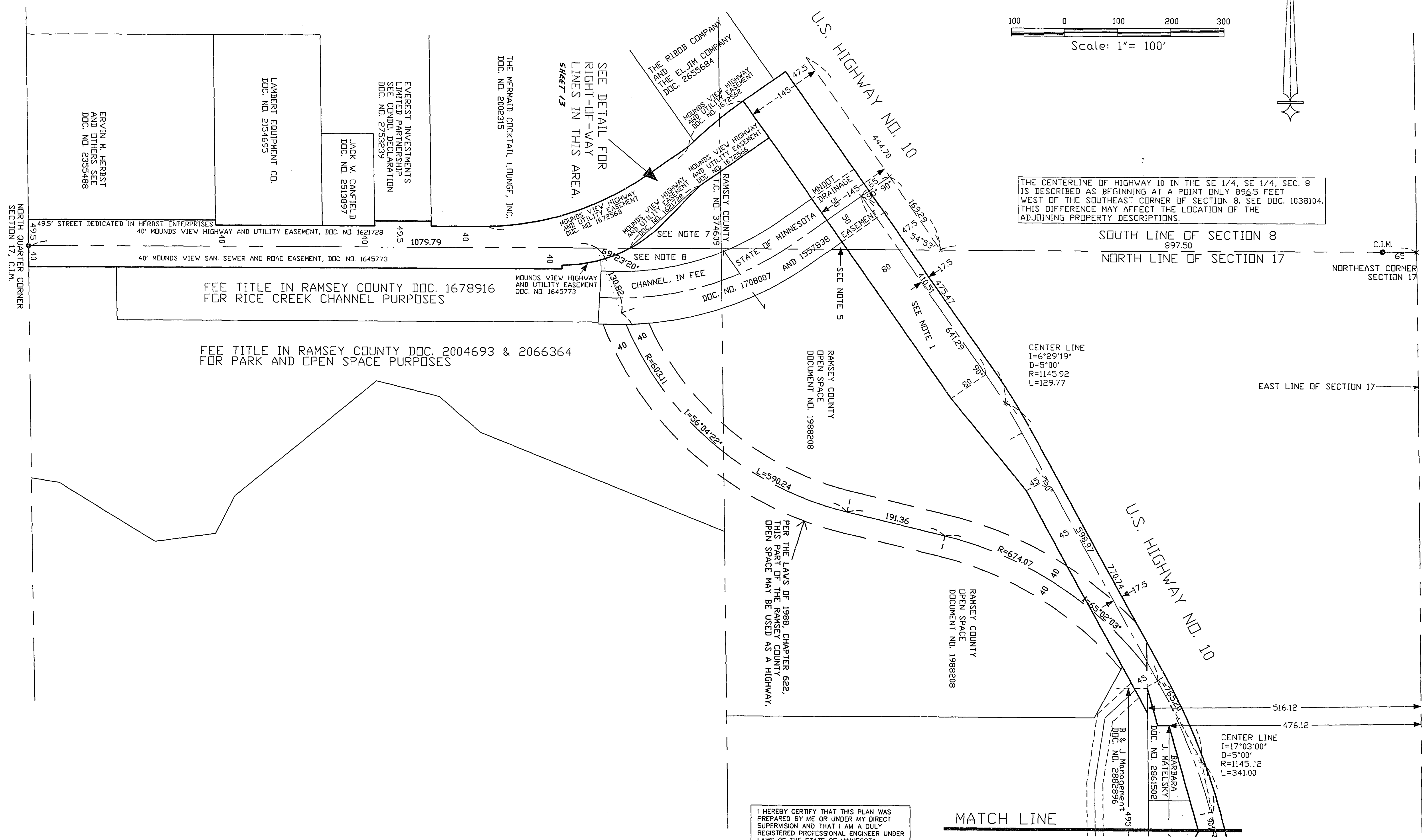
MATCH LINE

28-147

SUPPLEMENTAL SURVEY DATA

S.A.P. 146-020-08

SHEET NO. 12 OF 13 SHEETS

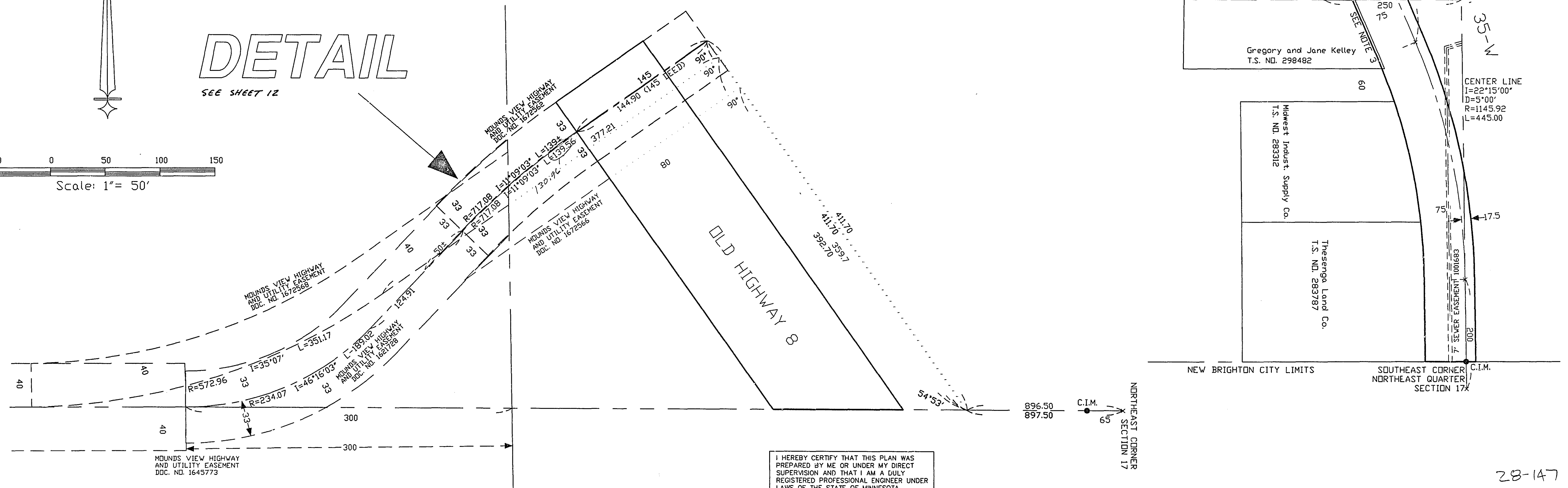


NOTES:

- 1: OLD HIGHWAY 8 RIGHT-OF-WAY PER MNDOT TURNBACK DOC. NO. 1837801.
- 2: OWNERSHIP AND ENCUMBRANCE REPORT BY OLD REPUBLIC, ORDER NO. A95-15843-A A95-15843-B AND A95-17081.
- 3: THE EASTERLY LINE OF LOT 5, BLOCK 1, MOUNDS VIEW INDUSTRIAL PARK MAY BE IN CONFLICT WITH THE WEST LINE OF OLD HIGHWAY 8 PER DOC. NO. 1837801.
- 4: THE SOUTH 30 FEET OF THE NORTH HALF OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER WAS NOT MENTIONED IN THE OWNERSHIP AND ENCUMBRANCE REPORTS. THIS AREA WAS ENCUMBERED BY A 33 FOOT WIDE HIGHWAY EASEMENT VACATED BY DOC. NO. 1848876.
- 5: THIS AREA WAS NOT MENTIONED IN THE OWNERSHIP AND ENCUMBRANCE REPORTS. THIS AREA MAY BE OWNED BY RAMOND AND CLAUDIA SKIBA OR THEIR HEIRS OR ASSIGNS.
- 6: DOC. NO. 1871941 INDICATES THAT THE STATE OF MINNESOTA ACQUISITION WITHIN THIS PROPERTY EFFECTS ONLY THE INCORPOREAL HEREDITAMENTS AND APPURTENANCES OF THE PROPERTY SUCH AS INDIRECT ACCESS OR RIGHT OF VIEW. THESE RIGHTS WERE NOT CONVEYED TO RAMSEY COUNTY PER DOC. NO. 1837801.
- 7: SINCE NO EASEMENTS ARE LISTED IN THE MEMORIAL ON THE CERTIFICATE OF TITLE BY WHICH RAMSEY COUNTY OWNS THIS PROPERTY, IT IS QUESTIONABLE IF THE HIGHWAY EASEMENT PER DOCUMENT NUMBER 1672566 DESCRIBED AS OVERLAPPING THIS PROPERTY DOES IN FACT ENCUMBER THIS PROPERTY. A USE RESTRICTION EXISTS ON THIS PROPERTY SEE T.S. DOC. NO. 1083048.
- 8: THIS AREA WAS NOT MENTIONED IN THE OWNERSHIP AND ENCUMBRANCE REPORTS.

DETAIL
SEE SHEET 12

Scale: 1" = 50'



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REG. NO. _____ DATE _____

S.A.P. 146-020-08

28-147
SUPPLEMENTAL SURVEY DATA
SHEET NO. 13 OF 13 SHEETS