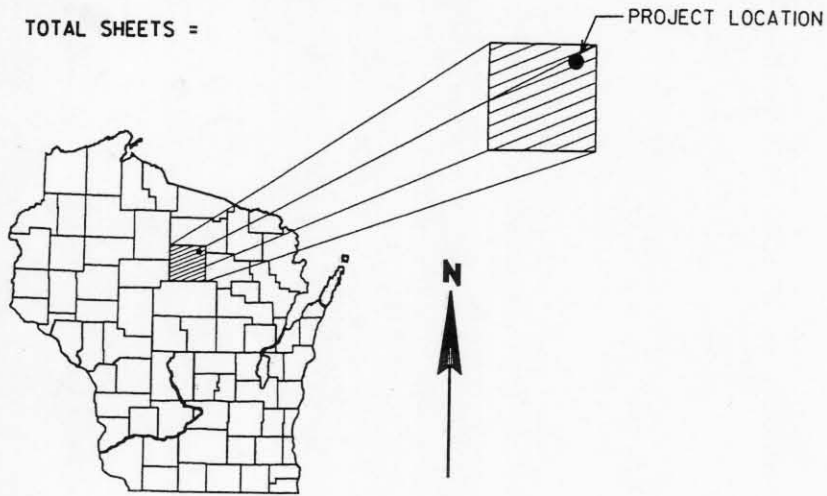


INDEX OF SHEETS

Sheet No. 1	Title
Sheet No.	Typical Sections and Details
Sheet No.	Estimate of Quantities
Sheet No.	Miscellaneous Quantities
Sheet No.	Right of Way Plat
Sheet No.	Plan and Profile
Sheet No.	Standard Detail Drawings
Sheet No.	Sign Plates
Sheet No.	Structure Plans
Sheet No.	Computer Earthwork Data
Sheet No.	Cross Sections

TOTAL SHEETS =



STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

CLARA LAKE - CALLAHAN ROAD

C.T.H. "A"

LINCOLN COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
9405-02-00		

ACCEPTED FOR
LINCOLN COUNTY HIGHWAY DEPT.

RECEIVED AT LINCOLN COUNTY
COURTHOUSE THIS 20TH DAY
OF September 20 01
Tony Dabrowski
LAND INFORMATION OFFICE

STATE PROJECT NUMBER
9405-02-00

DATE: _____ HIGHWAY COMMISSIONER

ORIGINAL PLANS PREPARED BY

AVRES ASSOCIATES Engineers/Architects
Scientists/Surveyors
3433 Oakwood Hills Parkway
Eau Claire, WI 54701

DATE: _____

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

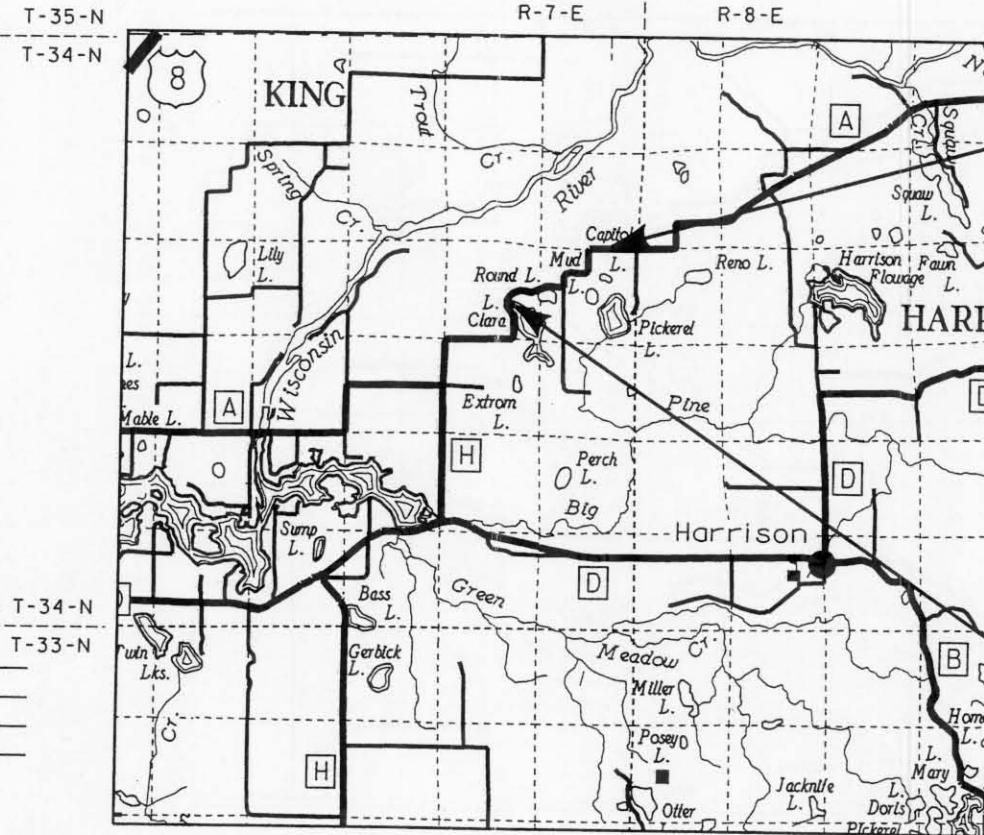
PREPARED BY	
Surveyor	O.A. & A.
Designer	O.A. & A.
District Examiner	
District Supervisor	
Proj. Dev. Engineer	
C.O. Examiner	

APPROVED FOR DISTRICT OFFICE

DATE: _____ (Signature)

END PROJECT
STA. 173+45.11
N = 12891.50
E = 15564.58

BEGIN PROJECT
STA. 100+00.00
N = 9356.37
E = 10250.69



LAYOUT
SCALE 0 1 MI.

TOTAL NET LENGTH OF CENTERLINE = 1.391 MI.

Coordinates on this plan are referenced to an assumed coordinate system.

DESIGN DESIGNATION

A.D.T. (2001)	=	400 VPD
A.D.T. (2021)	=	733 VPD
D.H.V.	=	73 VEH
D.	=	0.5
T.	=	10.0%
DESIGN SPEED	=	40 MPH
ESALS	=	102.200

CONVENTIONAL SYMBOLS

COUNTY LINE		COMBUSTIBLE FLUIDS	
CORPORATE LIMITS		UNDERGROUND UTILITIES	
PROPERTY LINE		GAS	
LOT LINE		ELECTRIC	
LIMITED EASEMENT		TELEPHONE OR TELEGRAPH	
EXISTING RIGHT OF WAY		COMMUNICATIONS LINE	
PROPOSED OR NEW R/W LINE		SERVICE PEDESTAL	
SURVEY LINE		POWER POLE	
SLOPE INTERCEPT		TELEPHONE POLE	
ORIGINAL GROUND		RAILROAD	
MARSH OR ROCK PROFILE (To be noted as such)		SANITARY SEWER	
MARSH AREA		STORM SEWER	
WOODED OR SHRUB AREA		WATER	
		EXISTING CULVERT	
		PROPOSED CULVERT (Box or Pipe)	
		CULVERT (Profile View)	

DGN LEVELS ON - 1-63

STATE PROJECT NUMBER: 9405-02-00

C.T.H. "A"

COUNTY: LINCOLN

TITLE SHEET

SHEET NO: **E**

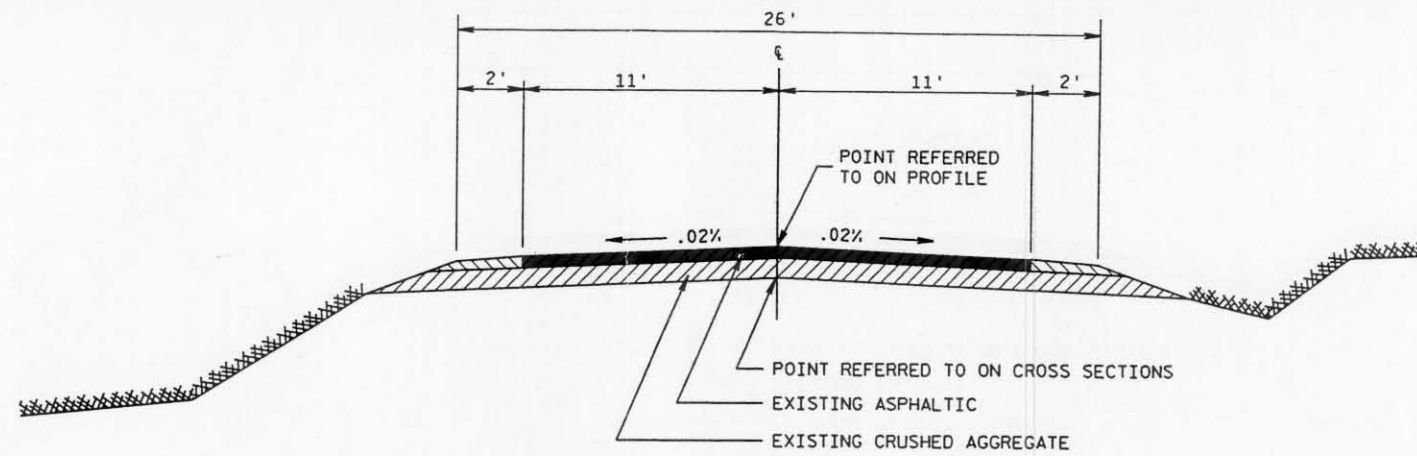
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PLOT NAME - \\EC5022\LOT\2LAS17\0187TIT.LAS

DATE OF PLOT: 3/6/01

WISDOT/CADD SHEET 42



EXISTING TYPICAL SECTION
C.T.H. "A"

GENERAL NOTES

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.

EXACT LOCATION OF ALL DRIVEWAY ENTRANCES TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

EXCAVATION BELOW SUBGRADE (EBS) IS NOT USED TO BALANCE YARDAGE AND IS NOT SHOWN ON THE CROSS SECTIONS. IT WILL BE MEASURED AND PAID FOR AS UNCLASSIFIED EXCAVATION. THE LOCATION FOR EBS WILL BE DETERMINED BY THE ENGINEER.

WHEN THE QUANTITY OF THE ITEM OF BASE COURSE IS MEASURED FOR PAYMENT BY THE TON OR CUBIC YARD THE DEPTH OR THICKNESS OF THE COURSE SHOWN ON THE PLANS IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

SHRINKAGE OF EARTHWORK IS VARIABLE. AN AVERAGE FACTOR FOR UNCLASSIFIED IS 30%.

CROSS DRAIN PIPE LOCATIONS AND ELEVATIONS AS SHOWN ON THE CROSS SECTIONS SHEETS ARE APPROXIMATE AND SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

DISTURBED AREAS WITHIN THE RIGHT OF WAY, EXCLUSIVE OF THE ROADBED, SHALL BE FERTILIZED, SEEDED AND MULCHED OR FERTILIZED AND SODDED AS DIRECTED BY THE ENGINEER.

SEED MIXTURE NO.10 SHALL BE USED THROUGHOUT THE PROJECT.

MULCH ALL SEEDED AREAS EXCEPT BORROW PITS.

CURVE DATA IS BASED ON ARC DEFINITION.

ALL BEARINGS SHOWN ON PLANS ARE TRUE BEARINGS.

ALL DISTANCES ARE GROUND DISTANCES.

THE LOW SIDE SHOULDER SLOPE ON SUPERELEVATED SECTIONS EQUALS SUPERELEVATION WHEN SUPERELEVATION IS GREATER THAN 0.04 FT/FT. IF SUPERELEVATION IS LESS THAN OR EQUAL TO 0.04 FT/FT. THEN LOW SIDE SHOULDER SLOPE IS 0.04 FT/FT. THE HIGH SIDE SHOULDER SLOPE ON SUPERELEVATED SECTIONS EQUALS SUPERELEVATION.

UTILITIES

WISCONSIN PUBLIC SERVICE CORP.
111 EAST DAVENPORT STREET
RHINELANDER, WI 54501
(715) 369-7111
ATTN: RICHARD REITZ

GTE NORTH
JIM MOFFETT
(715)356-3202



TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

CALL DIGGERS HOTLINE
1-800-242-8511
TOLL FREE

TELEFAX (414) 259-0947
TDD (FOR HEARING IMPAIRED) 1-800-542-2289
WIS. STATUTE 182.0175 (1974)
REQUIRES MIN. OF 3 WORK DAYS
NOTICE BEFORE YOU EXCAVATE.

ABBREVIATIONS

A.P.	ACCESS POINT	L.H.F.	LEFT HAND FORWARD
AC.	ACRES	M.H.	MANHOLE
A.H.	AHEAD	MON.	MONUMENT
ALUM.	ALUMINUM	O.L.	OUTLOT
B.M.	BENCH MARK	P.	PAGE
BK.	BACK	P.E.	PRIVATE ENTRANCE
BIT.	BITUMINOUS	P.C.	POINT OF CURVATURE
C.P.	CULVERT PIPE	P.I.	POINT OF INTERSECTION
€	CENTERLINE	P.T.	POINT OF TANGENCY
C.T.H.	COUNTY TRUNK HIGHWAY	P.L.	PROPERTY LINE
C.S.M.	CERTIFIED SURVEY MAP	REQ'D.	REQUIRED
CONC.	CONCRETE	R.R.	RAILROAD
COR.	CORNER	€	REFERENCE LINE
COMM.	COMMERCIAL ENTRANCE	R.C.C.P.	REINFORCED CONCRETE CULVERT PIPE
DISCH.	DISCHARGE ELEVATION	RT.	RIGHT
E	ELECTRIC	R.H.F.	RIGHT HAND FORWARD
FDN.	FOUNDATION	R/W	RIGHT OF WAY
F.E.	FIELD ENTRANCE	SEC.	SECTION
G.	GAS	S	SHED
G.M.	GAS MARKER	S.T.H.	STATE TRUNK HIGHWAY
G.P.	GAS PUMPS	STA.	STATION
H.	HOUSE	T	TELEPHONE
INL.	INLET ELEVATION	TAV.	TAVERN
L	LENGTH OF CURVE	T.L.E.	TEMPORARY LIMITED EASEMENT
L.C.	LONG CHORD	U.S.H.	UNITED STATES HIGHWAY
L.C.B.	LONG CHORD BEARING	V.C.	VERTICAL CURVE

STANDARD DETAIL DRAWINGS

8E4-2	SOD OR MASONRY AND SOD DITCH CHECKS
8E8-2	TYPICAL INSTALLATION OF EROSION BALES
8E9-4	SILT FENCE
8F1-10a	APRON ENDWALLS FOR CULVERT PIPE
8F1-10b	APRON ENDWALLS FOR ARCHED AND ELLIPTICAL PIPE
9A1-8a	AT GRADE SIDE ROAD INTERSECTION TYPES "B", "C" AND "D"
15A1-5	MARKER POSTS FOR RIGHT-OF-WAY
15A2-4	DELINEATORS POSTS, DELINEATOR BRACKET, AND DELINEATORS
15C2-2	BARRICADES AND TRAFFIC CONTROL FOR ROAD CLOSURES
15C8-5a	

DESIGN CONTACT

DAN HERZBERG
AYRES ASSOCIATES
(715) 834-3161

DNR CONTACT

JIM GRAFELMAN
(715) 369-9827

DGN LEVELS ON - 1-63

STATE PROJECT NUMBER: 9405-02-00

HWY: C.T.H. "A"

COUNTY: LINCOLN

GENERAL NOTES, UTILITIES, S.D.D. & ABBREVIATIONS

SHEET NO:

E

CONVENTIONAL SIGNS AND ABBREVIATIONS

GENERAL SYMBOLS

--- STATE LINE	◆◆◆◆ NO ACCESS (By Previous Acquisition)
--- COUNTY LINE	NO ACCESS (By Acquisition)
--- TOWN OR RANGE LINE	●●●● NO ACCESS (By Statutory Authority)
--- SECTION LINE	┌---┐ LIMITED EASEMENT (Temporary or Permanent)
--- QUARTER LINE	////// CORPORATE LIMITS
--- SIXTEENTH LINE	○ SECTION CORNER
--- PROPOSED OR NEW R/W LINE	○ SURVEY LINE
--- EXISTING R/W LINE	● RIGHT OF WAY POINT
--- LOT LINE	● (Type) RIGHT OF WAY MONUMENT (Type)
--- PROPERTY LINE	△ TRIANGULATION POINT OR HORIZONTAL CONTROL STATION
	⊙ BENCH MARK

TOPOGRAPHIC SYMBOLS

== PAVED ROAD	--- FENCE	--- INDEX CONTOUR
--- UNPAVED ROAD	--- GUARD RAIL	--- INTERMEDIATE CONTOUR
--- TRAIL, LOGGING ROAD, ETC.	○ G.P. GAS PUMPS	○ DEPRESSION CONTOURS
--- DRIVEWAY	⊠ TRANSMISSION TOWER AND LINE	423.6 or X 871.5 SPOT ELEVATIONS
--- RAILROAD	⊙ TELEPHONE POLE	--- INTERMITTENT STREAM
--- BRIDGE	□ POWER POLE	--- STREAM OR RIVER
--- CULVERT (End Treatment may be Shown)	□ INLET	--- MARSH AREA
○ OR [] STORAGE TANK	○ HYDRANT	○ LAKE OR POND
○ (Label) SILO, MANHOLE OR WELL, ETC.	△ SATELLITE DISH	--- WOODED OR SHRUB AREA
○ (Label) BUILDING	○ LIGHT POLE	○ TREE
○ (Label) FOUNDATION OR RUINS	○ (Label) VALVE	



R/W PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
FEDERAL PROJECT NUMBER	4.1	
PLAT OF RIGHT OF WAY REQUIRED FOR CLARA LAKE - CALLAHAN ROAD		
C.T.H. "A"	LINCOLN COUNTY	
CONSTRUCTION PROJECT NUMBER	4.	

ABBREVIATIONS

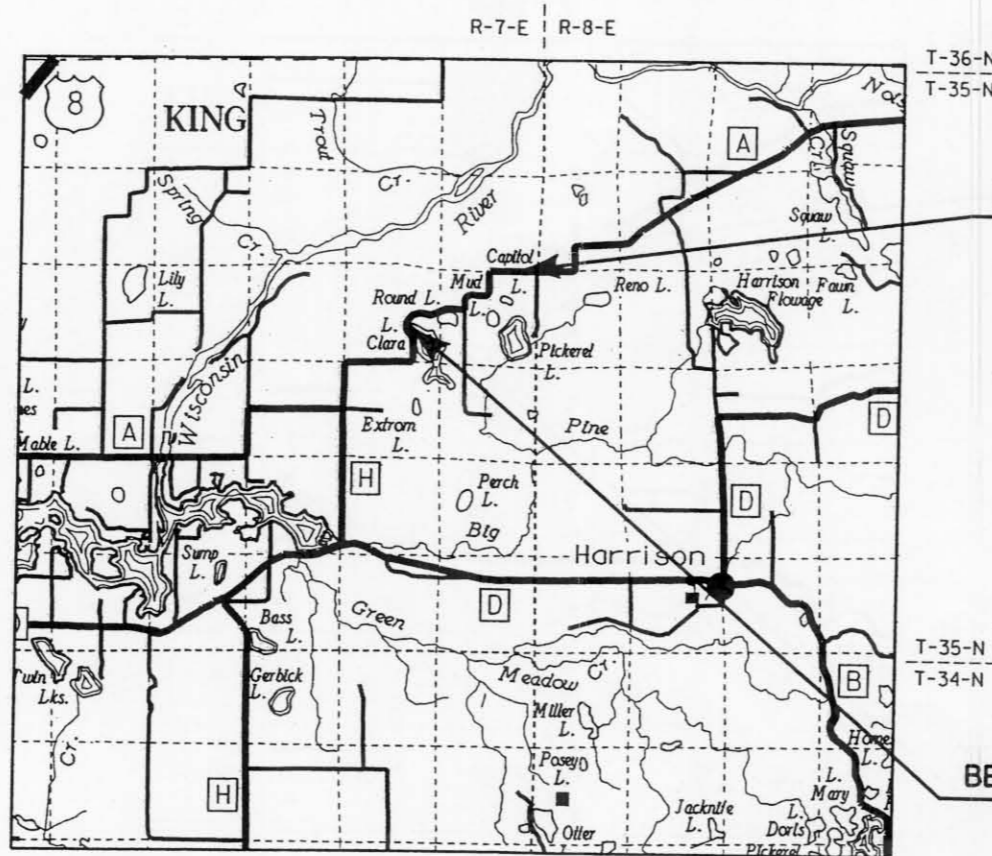
A.P. ACCESS POINT	M.H. MANHOLE
AC. ACRES	m METERS
AG. AGRICULTURAL	MON. MONUMENT
A.H. AHEAD	O.L. OUTLOT
ALUM. ALUMINUM	P. PAGE
ET.AL. AND OTHERS	P.D. PRIVATE DRIVEWAY
BK. BACK	P.E. PRIVATE ENTRANCE
BIT. BITUMINOUS	P.K. PARKER-KALON
C.E. COMMERCIAL ENTRANCE	P.L.E. PERMANENT LIMITED EASEMENT
C.M. CABLE MARKER	P.C. POINT OF CURVATURE
⊕ CENTERLINE	P.I. POINT OF INTERSECTION
C.T.H. COUNTY TRUNK HIGHWAY	P.T. POINT OF TANGENCY
C.S.M. CERTIFIED SURVEY MAP	P.L. PROPERTY LINE
CONC. CONCRETE	R. RADIUS
COR. CORNER	R.R. RAILROAD
CULV. CULVERT	ℓ REFERENCE LINE
d/b/o DOING BUSINESS AS	R.D.E. RESTRICTED DEVELOPMENT EASEMENT
FDN. FOUNDATION	RT. RIGHT
F.E. FIELD ENTRANCE	R/W RIGHT OF WAY
FRL. FRACTIONAL	SEC. SECTION
G. GARAGE	S. SHED
G.M. GAS MARKER	S.T.H. STATE TRUNK HIGHWAY
G.P. GAS PUMPS	STA. STATION
H. HOUSE	T. TANGENT LENGTH OF CURVE
ha HECTARES	TAV. TAVERN
I.P. IRON PIPE	T.I. TEMPORARY INTEREST
L.C. LAND CONTRACT	V. VOLUME
LT. LEFT	X EAST COORDINATE (GRID)
L LENGTH OF CURVE	Y NORTH COORDINATE (GRID)
L.C. LONG CHORD	N NORTH COORDINATE (GROUND)
L.C.B. LONG CHORD BEARING	E EAST COORDINATE (GROUND)

NOTES

COORDINATES AND BEARINGS ON THIS PLAT ARE ASSUMED. BEARINGS ARE BASED ON THE NORTH LINE OF THE NORTHEAST ONE QUARTER, SECTION 13, T35N, R7E, BEARING S 89°17'07" E.

RIGHT OF WAY MONUMENTS ARE TYPE II (5/8" X 24" REINFORCEMENT BAR WEIGHING 104 LB./FT.) 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

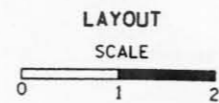
STA. 173+00.00

N 12892.47
E 15519.48
18.99' N. AND 1584.53' W. OF
NE COR. SEC. 13, T35N, R7E

BEGIN RELOCATION ORDER

STA. 100+00.00

N 10250.69
E 9356.37
2622.79' S. AND 7747.64' W. OF
NE COR. SEC. 13, T35N, R7E



TOTAL NET LENGTH OF CENTERLINE = 1382 MI.

ACCEPTED FOR LINCOLN COUNTY

Peter A. Kachel 2/13/01
COUNTY COMMISSIONER DATE

PLAT PREPARED BY

AYRES ASSOCIATES Engineers/Architects
Scientists/Surveyors
3433 Oakwood Hills Parkway
Eau Claire, WI 54701

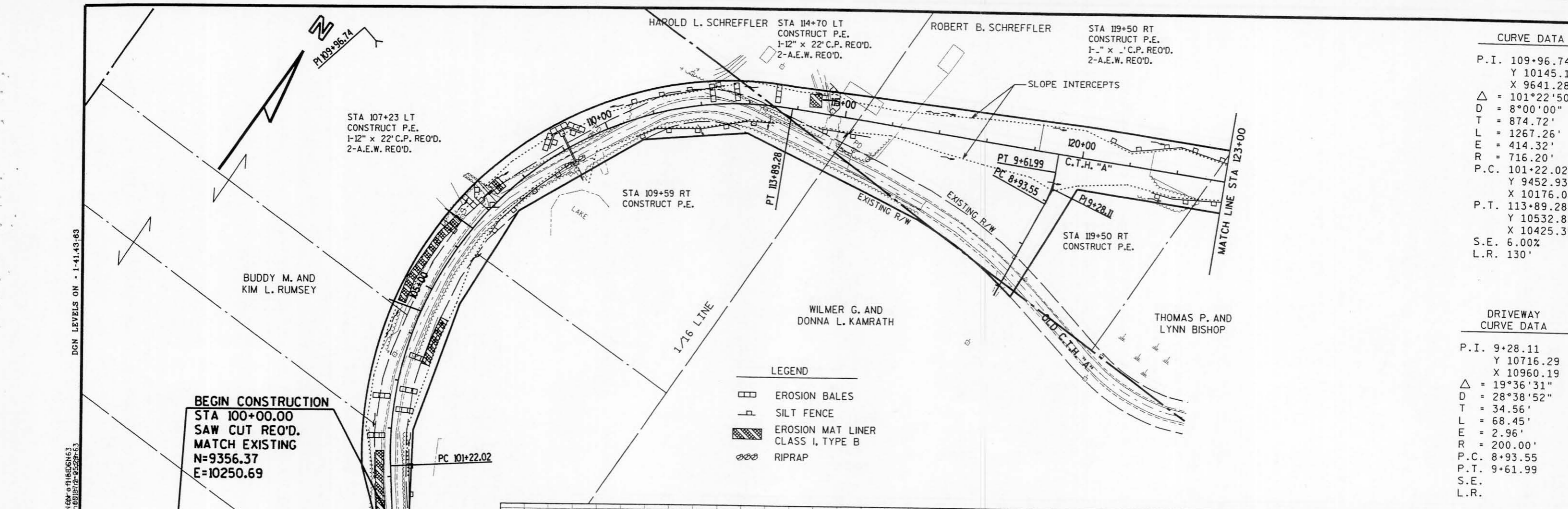
THIS SURVEY IS PREPARED AT THE REQUEST OF THE LINCOLN COUNTY HIGHWAY DEPT. THE FIELD SURVEY WAS PERFORMED JAN. OF 1999.

THIS SURVEY IS ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

WISCONSIN
★ EVELYN L. FERNEDING ★
S-1669
EAU CLAIRE
WI
LAND SURVEYOR

Evelyn L. Ferneding Feb. 9, 2001
EVELYN L. FERNEDING, RLS S-1669 DATE

REVISION DATE



CURVE DATA

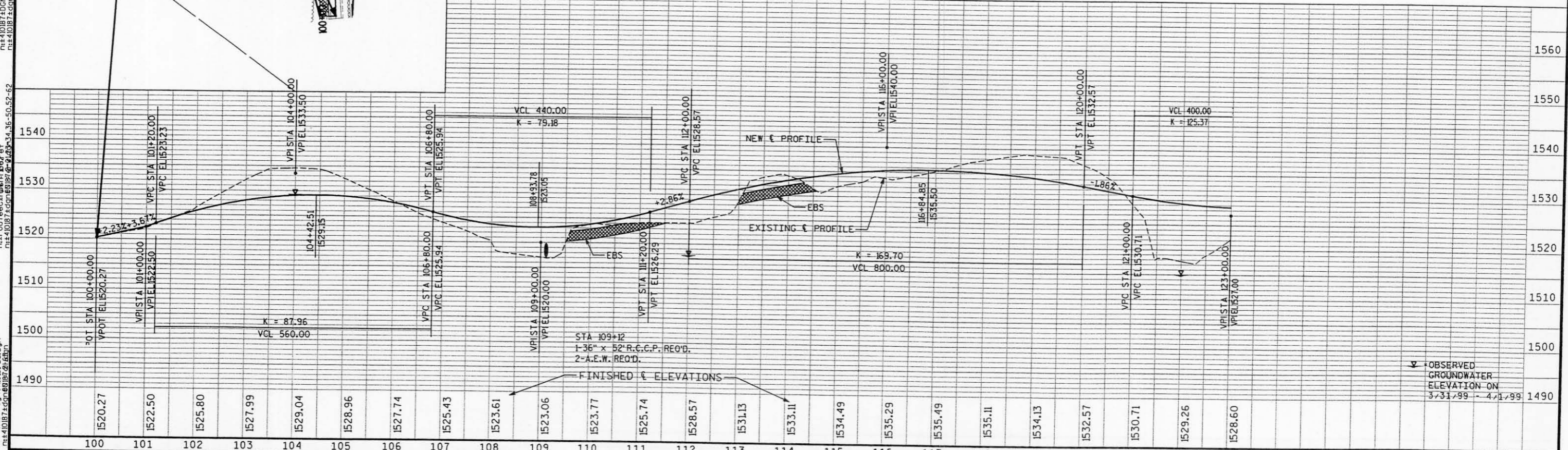
P.I.	109+96.74
Y	10145.12
X	9641.28
Δ	101°22'50"
D	8°00'00"
T	874.72'
L	1267.26'
E	414.32'
R	716.20'
P.C.	101+22.02
X	9452.93
Y	10176.08
P.T.	113+89.28
X	10532.82
Y	10425.39
S.E.	6.00%
L.R.	130'

DRIVEWAY CURVE DATA

P.I.	9+28.11
Y	10716.29
X	10960.19
Δ	19°36'31"
D	28°38'52"
T	34.56'
L	68.45'
E	2.96'
R	200.00'
P.C.	8+93.55
P.T.	9+61.99
S.E.	
L.R.	

- LEGEND**
- EROSION BALES
 - SILT FENCE
 - EROSION MAT LINER CLASS I, TYPE B
 - RIPRAP

BEGIN CONSTRUCTION
 STA 100+00.00
 SAW CUT REQ'D.
 MATCH EXISTING
 N=9356.37
 E=10250.69



STATE PROJECT NUMBER: 9405-02-00 HWY: C.T.H. "A" COUNTY: LINCOLN PLAN AND PROFILE SHEET NO: **E**

CURVE DATA

P.I.	150+79.17
Y	11464.56
X	13953.49
Δ	= 55°08'25"
D	= 4°00'00"
T	= 747.89'
L	= 1378.51'
E	= 183.49'
R	= 1432.39'
P.C.	143+31.29
Y	11362.31
X	13212.62
P.T.	157+09.79
Y	12130.93
X	14293.04
S.E.	6.00%
L.R.	175'

DRIVEWAY CURVE DATA

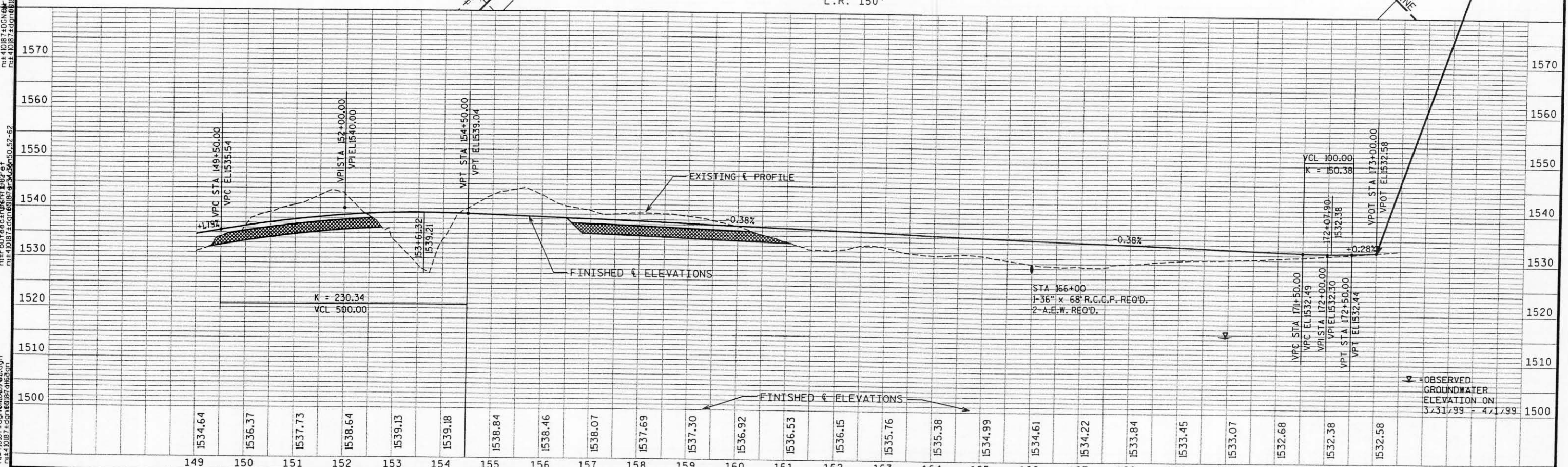
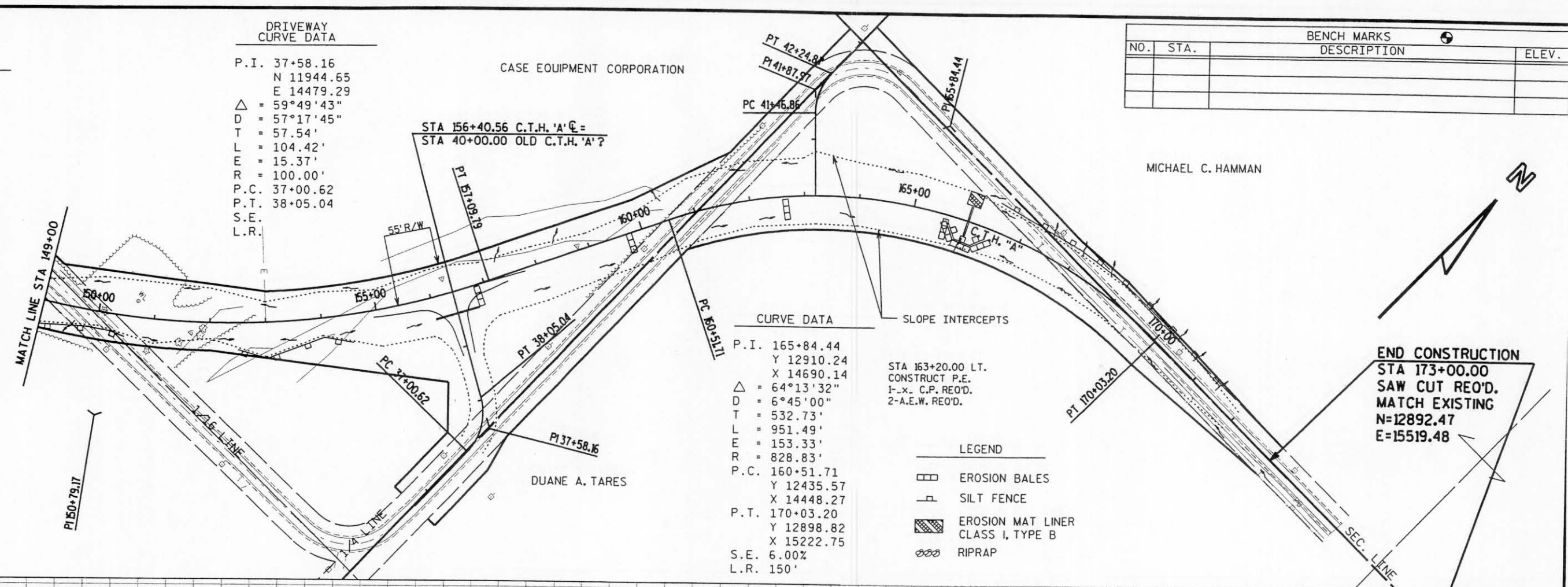
P.I.	37+58.16
N	11944.65
E	14479.29
Δ	= 59°49'43"
D	= 57°17'45"
T	= 57.54'
L	= 104.42'
E	= 15.37'
R	= 100.00'
P.C.	37+00.62
P.T.	38+05.04
S.E.	
L.R.	

CURVE DATA

P.I.	165+84.44
Y	12910.24
X	14690.14
Δ	= 64°13'32"
D	= 6°45'00"
T	= 532.73'
L	= 951.49'
E	= 153.33'
R	= 828.83'
P.C.	160+51.71
Y	12435.57
X	14448.27
P.T.	170+03.20
Y	12898.82
X	15222.75
S.E.	6.00%
L.R.	150'

BENCH MARKS

NO.	STA.	DESCRIPTION	ELEV.



STATE PROJECT NUMBER: 9405-02-00 HWY: C.T.H. "A" COUNTY: LINCOLN PLAN AND PROFILE SHEET NO: E



CURVE DATA

P.I. 8+15.33
 Y 11169.01
 X 13164.09
 $\Delta = 7^{\circ}48'32''$
 D = 6'45'00"
 T = 57.93'
 L = 115.69'
 E = 1.98'
 R = 848.83'
 P.C. 7+57.40
 P.T. 8+73.08
 S.E.
 L.R.



STA 156+40.56 C.T.H. 'A' @
 STA 40+00.00 OLD C.T.H. 'A' @
 CONSTRUCT TYPE 'C'
 INTERSECTION

CURVE DATA

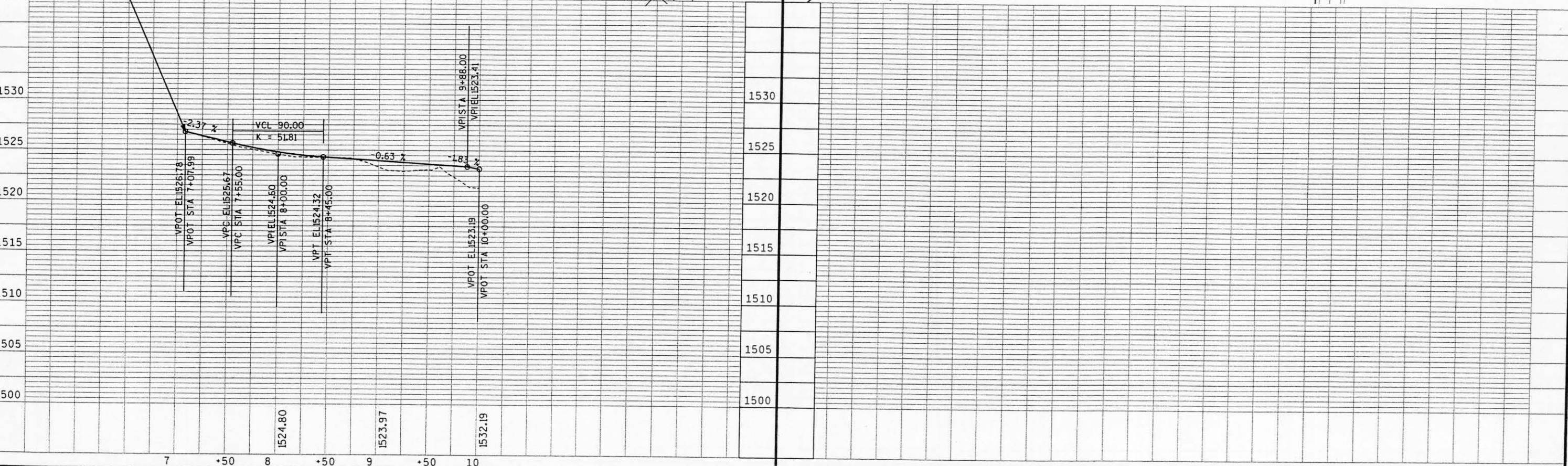
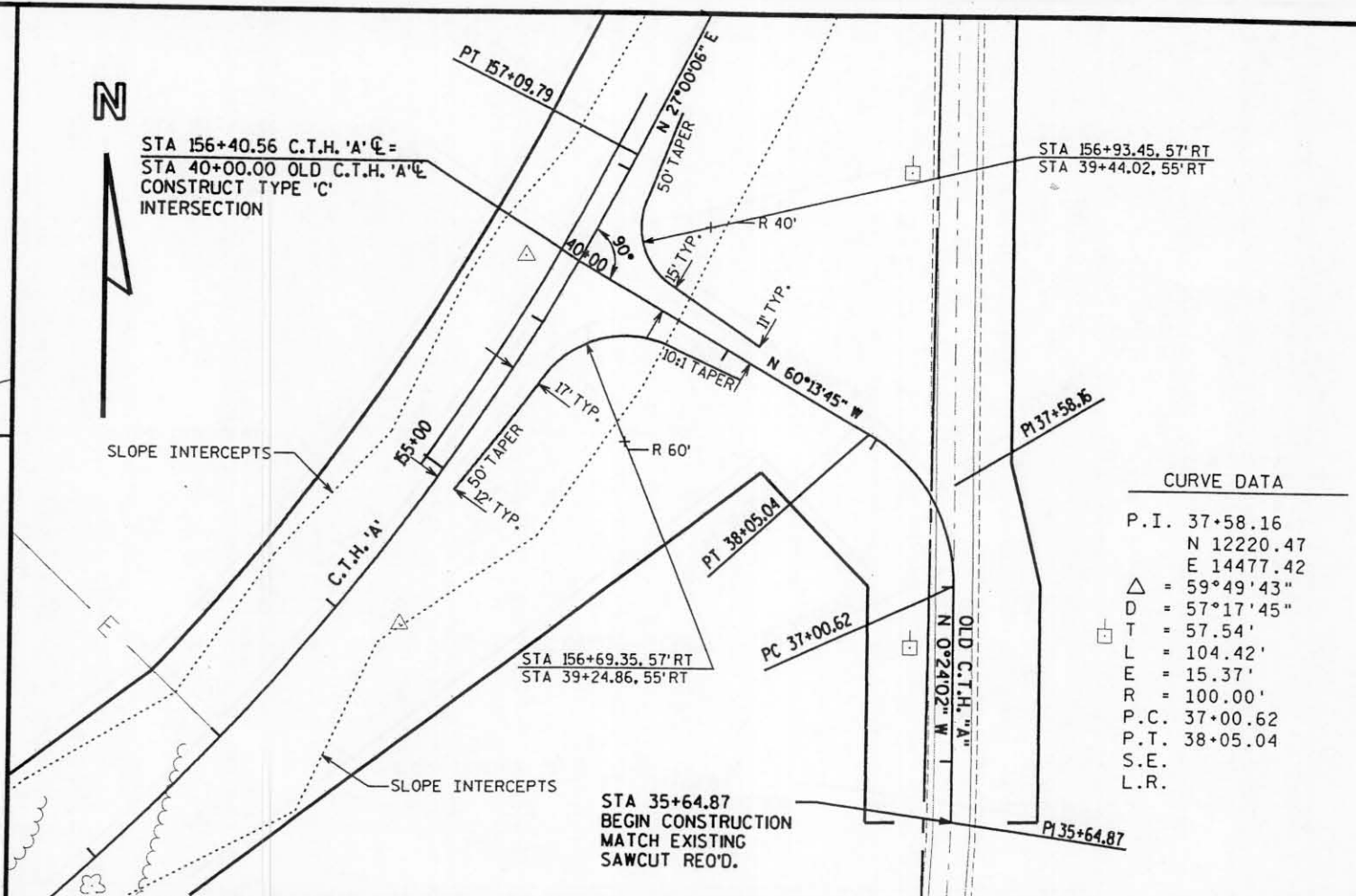
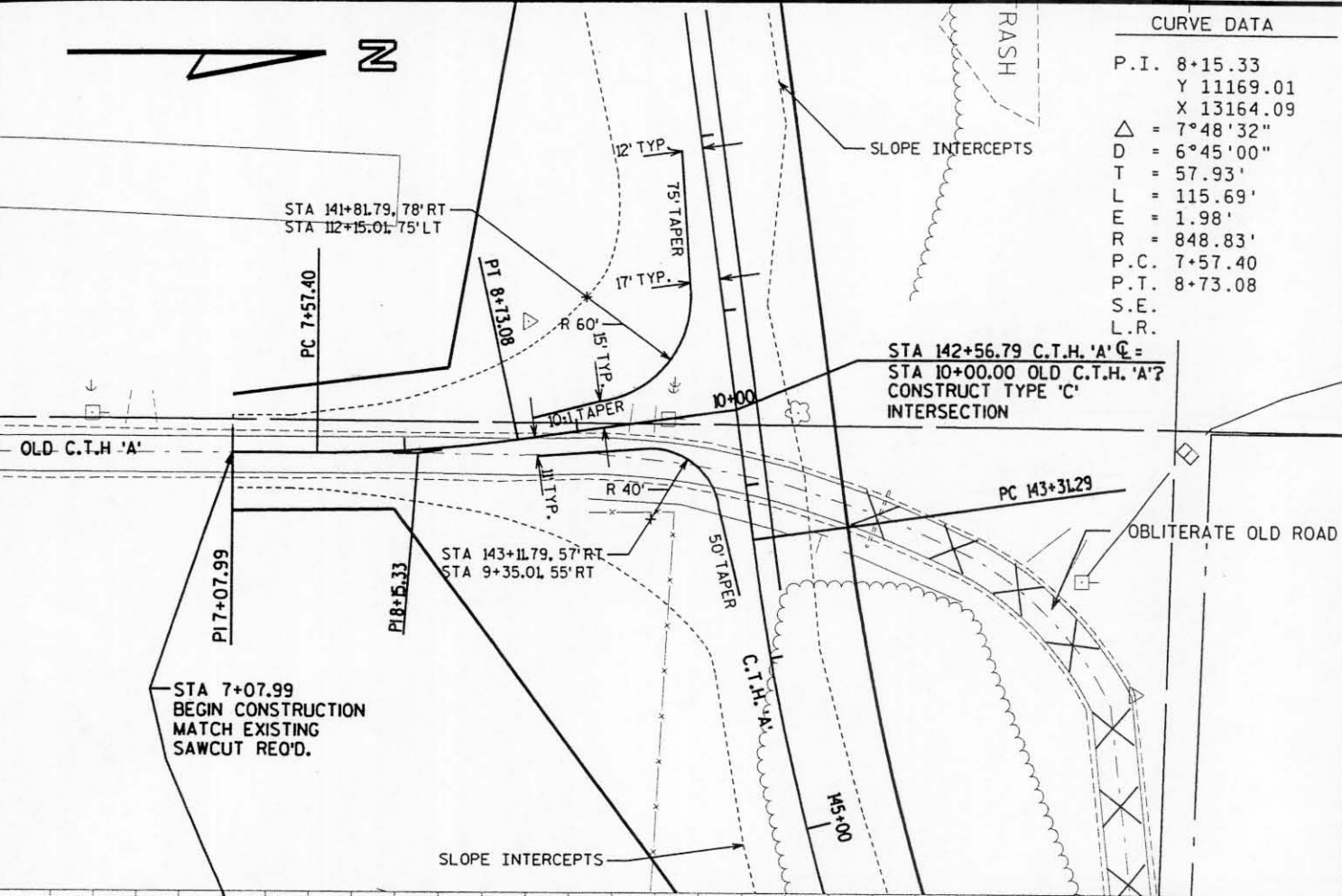
P.I. 37+58.16
 N 12220.47
 E 14477.42
 $\Delta = 59^{\circ}49'43''$
 D = 57'17'45"
 T = 57.54'
 L = 104.42'
 E = 15.37'
 R = 100.00'
 P.C. 37+00.62
 P.T. 38+05.04
 S.E.
 L.R.

DGN LEVELS ON - 1-63

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STATE PROJECT NUMBER: - - HWY: C.T.H. 'A' COUNTY: LINCOLN INTERSECTION DETAILS SHEET NO: 41