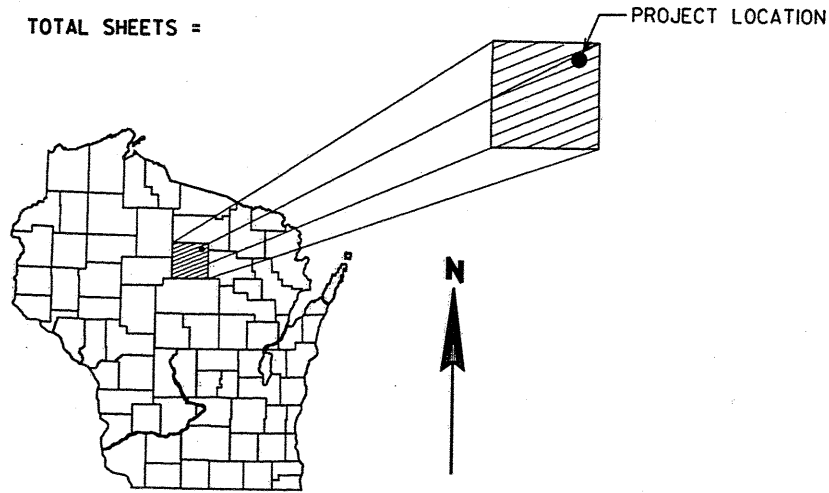


INDEX OF SHEETS

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 Dalman
LAND INFORMATION OFFICE

STATE PROJECT NUMBER
9405-02-00

DATE: _____ HIGHWAY COMMISSIONER

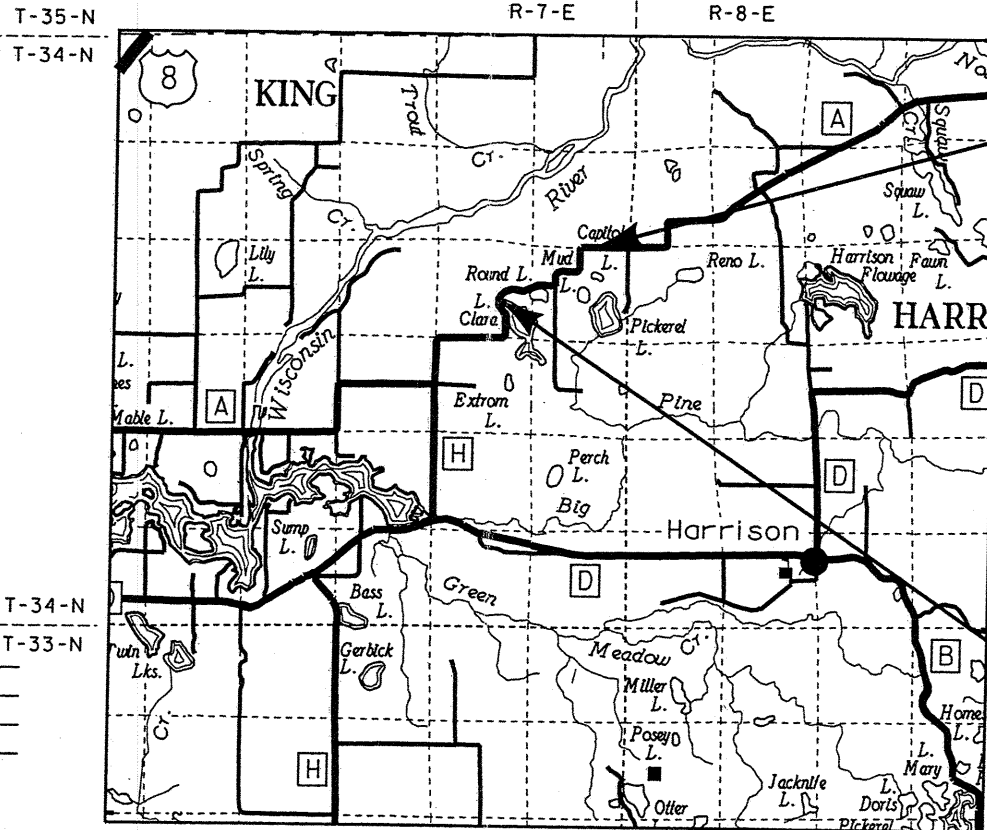
ORIGINAL PLANS PREPARED BY
AVRES ASSOCIATES
Engineers/Architects
Scientists/Surveyors
3433 Oakwood Hills Parkway
Eau Claire, WI 54701

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

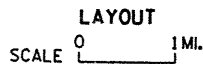
CONVENTIONAL SYMBOLS

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)	



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

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



TOTAL NET LENGTH OF CENTERLINE = 1.391 MI.

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

DATE: _____

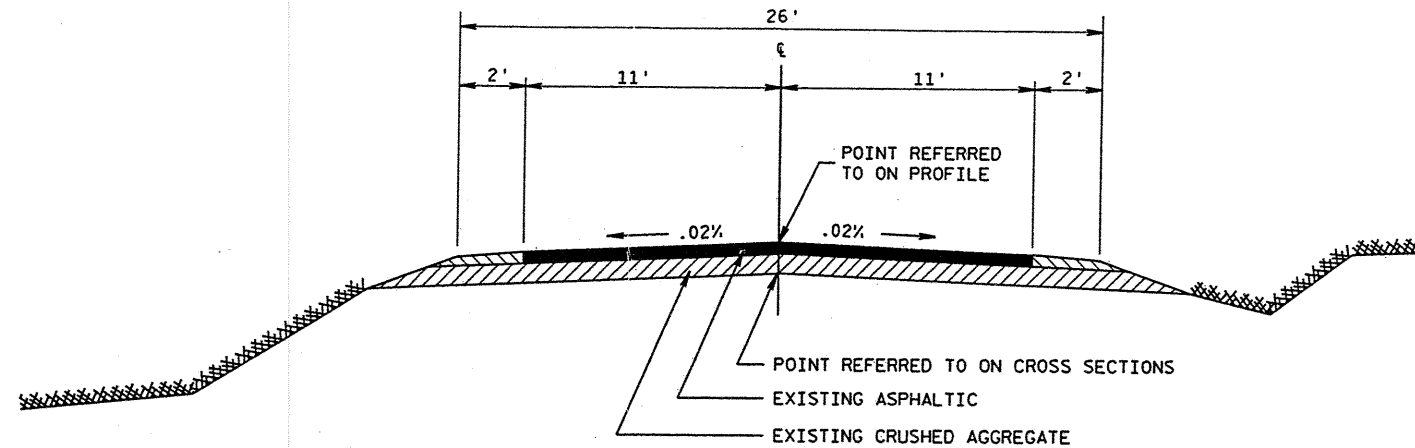
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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)

STATE PROJECT NUMBER: 9405-02-00	C.T.H. "A"	COUNTY: LINCOLN	TITLE SHEET	SHEET NO: E
----------------------------------	------------	-----------------	-------------	--------------------



**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
CL	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	R	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

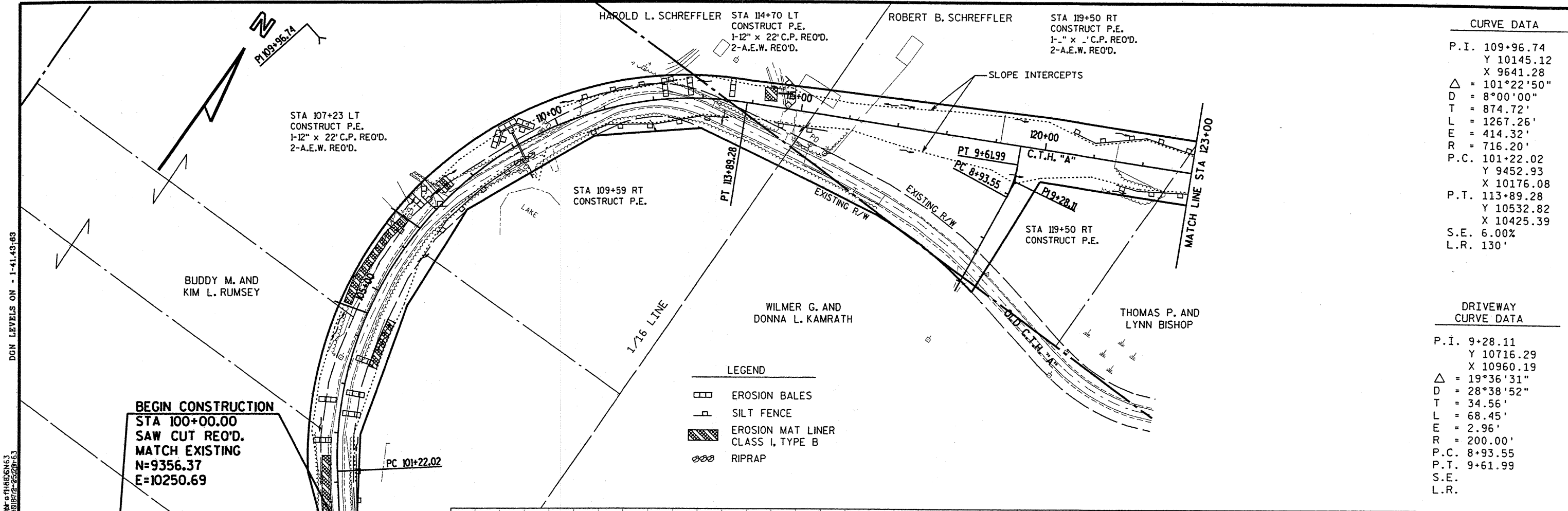
HWY: C.T.H. "A"

COUNTY: LINCOLN

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

SHEET NO:

E



CURVE DATA

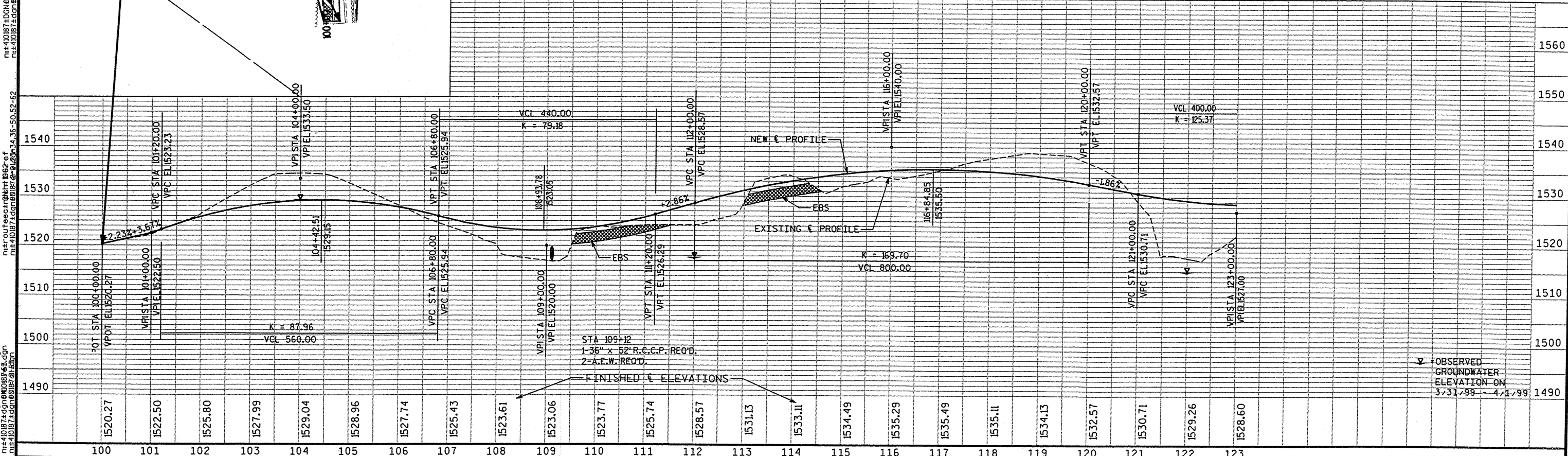
P.I.	109+96.74
Y	10145.12
X	9641.28
Δ	= 101°22'50"
D	= 8°00'00"
T	= 874.72'
L	= 1267.26'
E	= 414.32'
R	= 716.20'
P.C.	101+22.02
Y	9452.93
X	10176.08
P.T.	113+89.28
Y	10532.82
X	10425.39
S.E.	6.00%
L.R.	130'

DRIVEWAY CURVE DATA

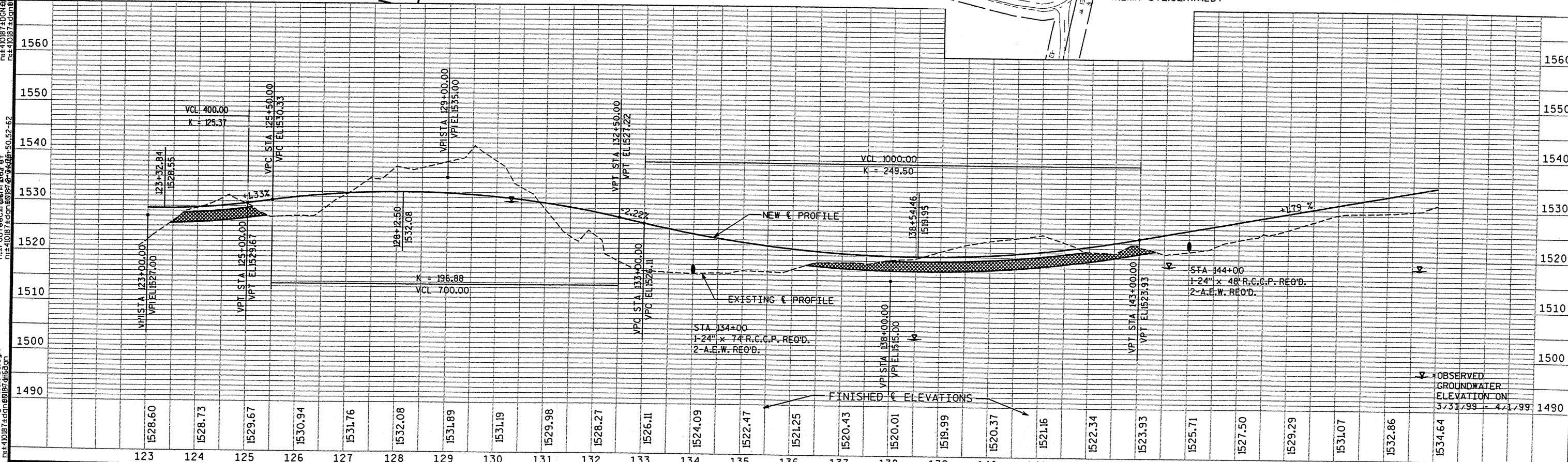
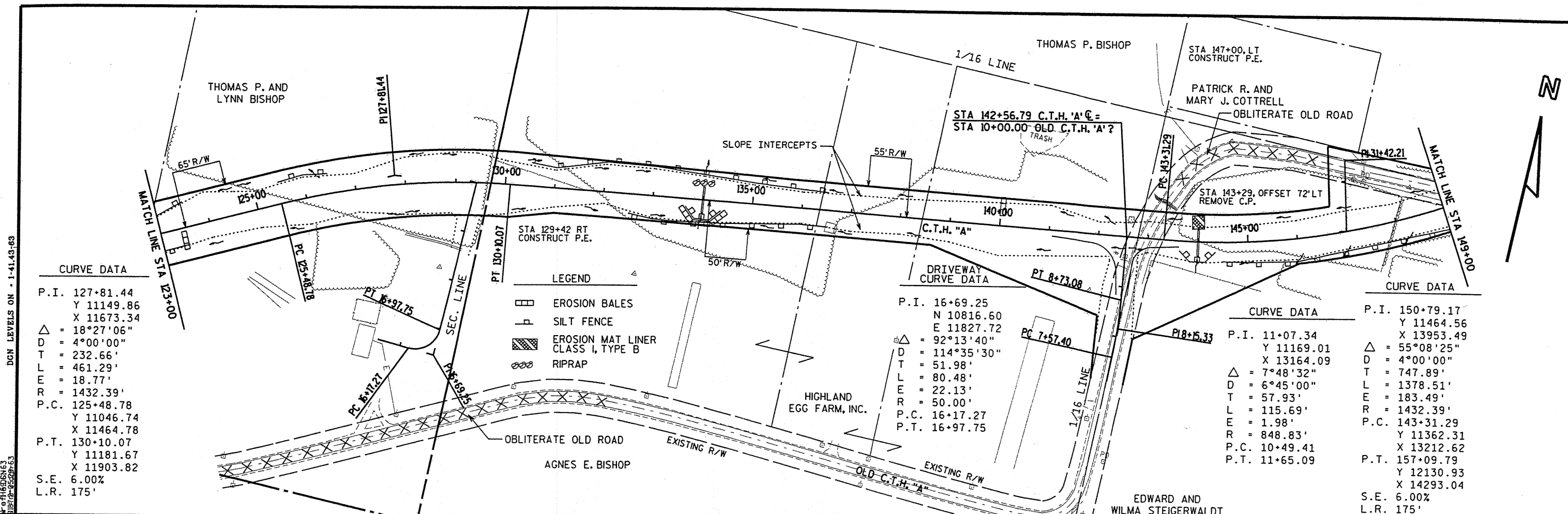
P.I.	9+28.11
Y	10716.29
X	10960.19
Δ	= 19°36'31"
D	= 28°38'52"
T	= 34.56'
L	= 68.45'
E	= 2.96'
R	= 200.00'
P.C.	8+93.55
P.T.	9+61.99
S.E.	
L.R.	

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

BEGIN CONSTRUCTION
STA 100+00.00
SAW CUT REO'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



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

DESIGN FILE - n:\410187\dgn\0187PP2.DGN PEN TABLE - \plot72\LASER\mspp.tbl PLOT NAME - \\EC5022\PILOT\2LASI7\0187PP2.LAS DATE OF PLOT: 3/7/01 WISDOT/CADD SHEET 41 WISDOT/CADD SHEET 40

CURVE DATA

P.I. 150+79.17
 Y 11464.56
 X 13953.49
 $\Delta = 55^{\circ}08'25''$
 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

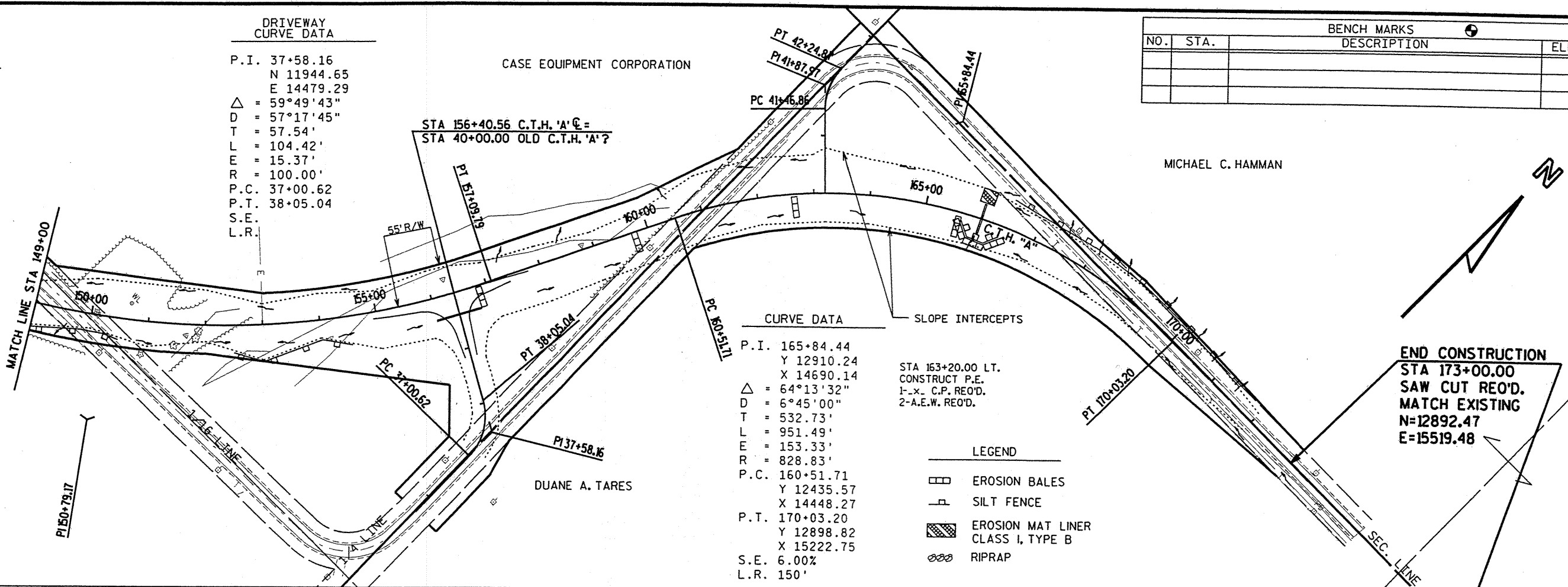
P.I. 37+58.16
 N 11944.65
 E 14479.29
 $\Delta = 59^{\circ}49'43''$
 D = 57'17'45"
 T = 57.54'
 L = 104.42'
 E = 15.37'
 R = 100.00'
 P.C. 37+00.62
 P.T. 38+05.04
 S.E.
 L.R.

CASE EQUIPMENT CORPORATION

STA 156+40.56 C.T.H. 'A' C =
 STA 40+00.00 OLD C.T.H. 'A' ?

BENCH MARKS		DESCRIPTION	ELEV.
NO.	STA.		

MICHAEL C. HAMMAN



CURVE DATA

P.I. 165+84.44
 Y 12910.24
 X 14690.14
 $\Delta = 64^{\circ}13'32''$
 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'

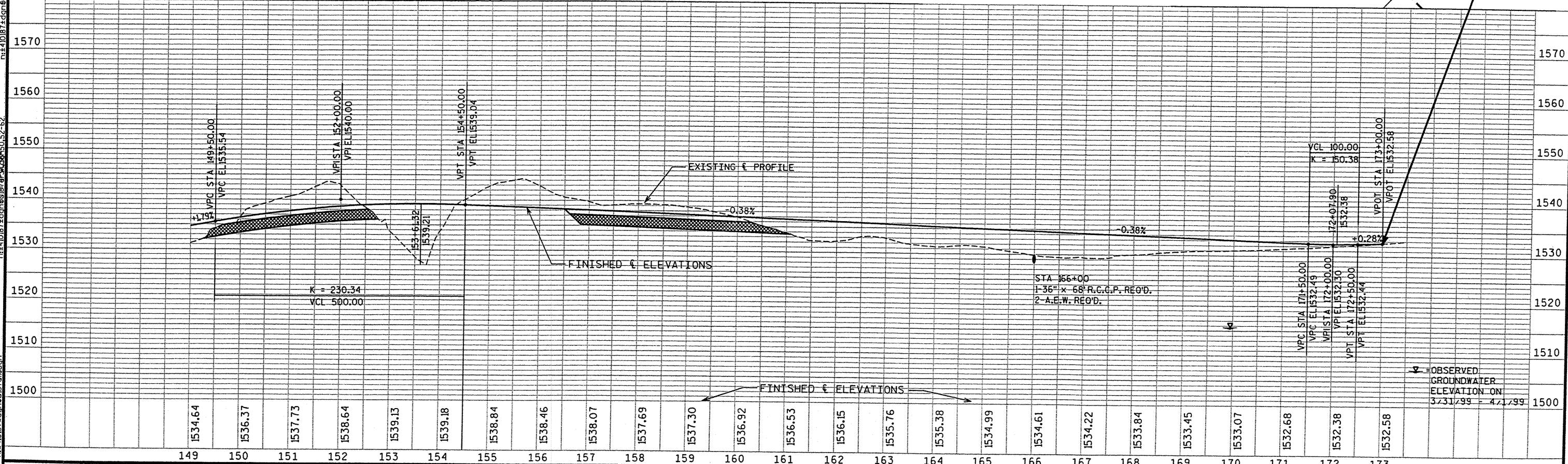
SLOPE INTERCEPTS

STA 163+20.00 LT.
 CONSTRUCT P.E.
 1-X C.P. REQ'D.
 2-A.E.W. REQ'D.

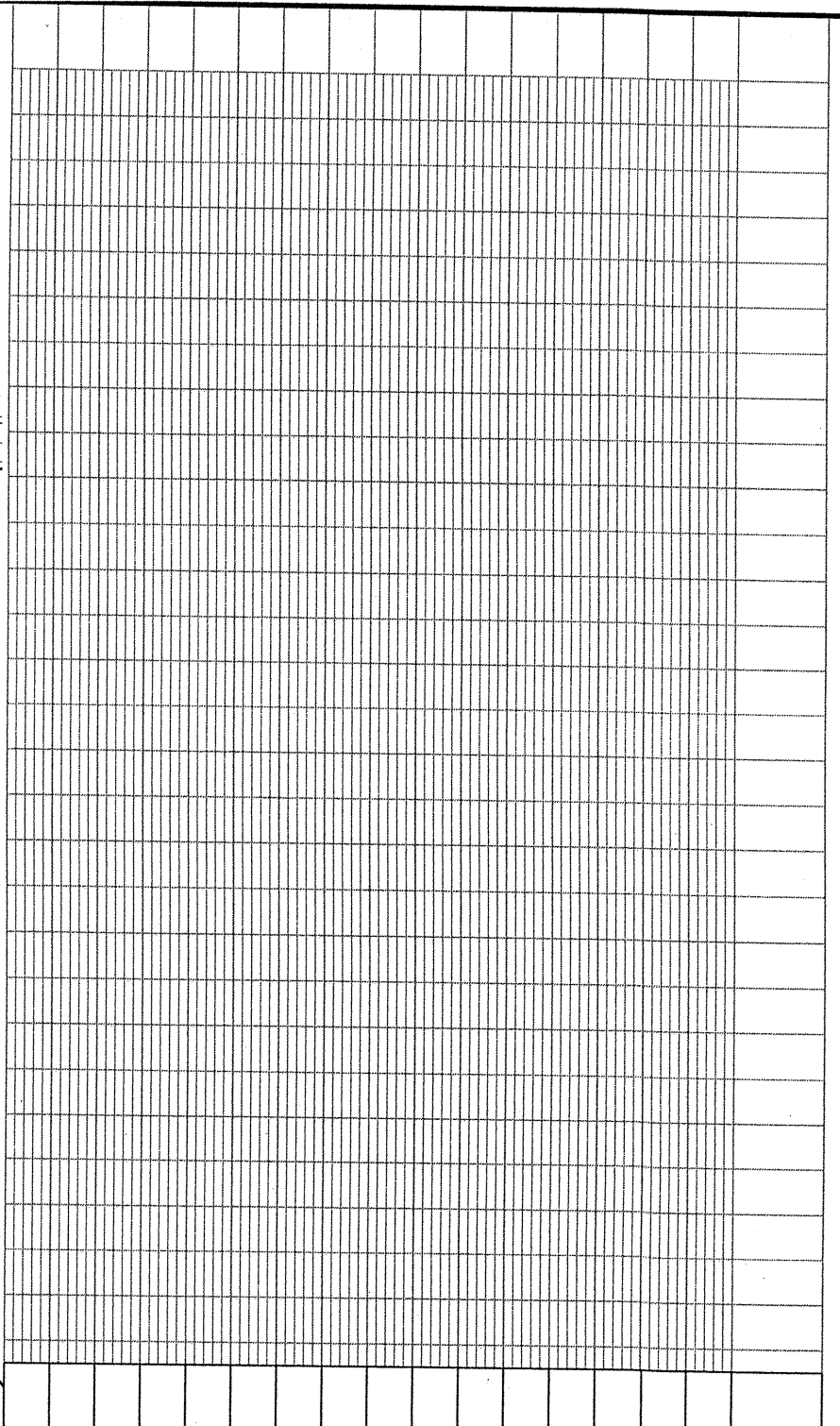
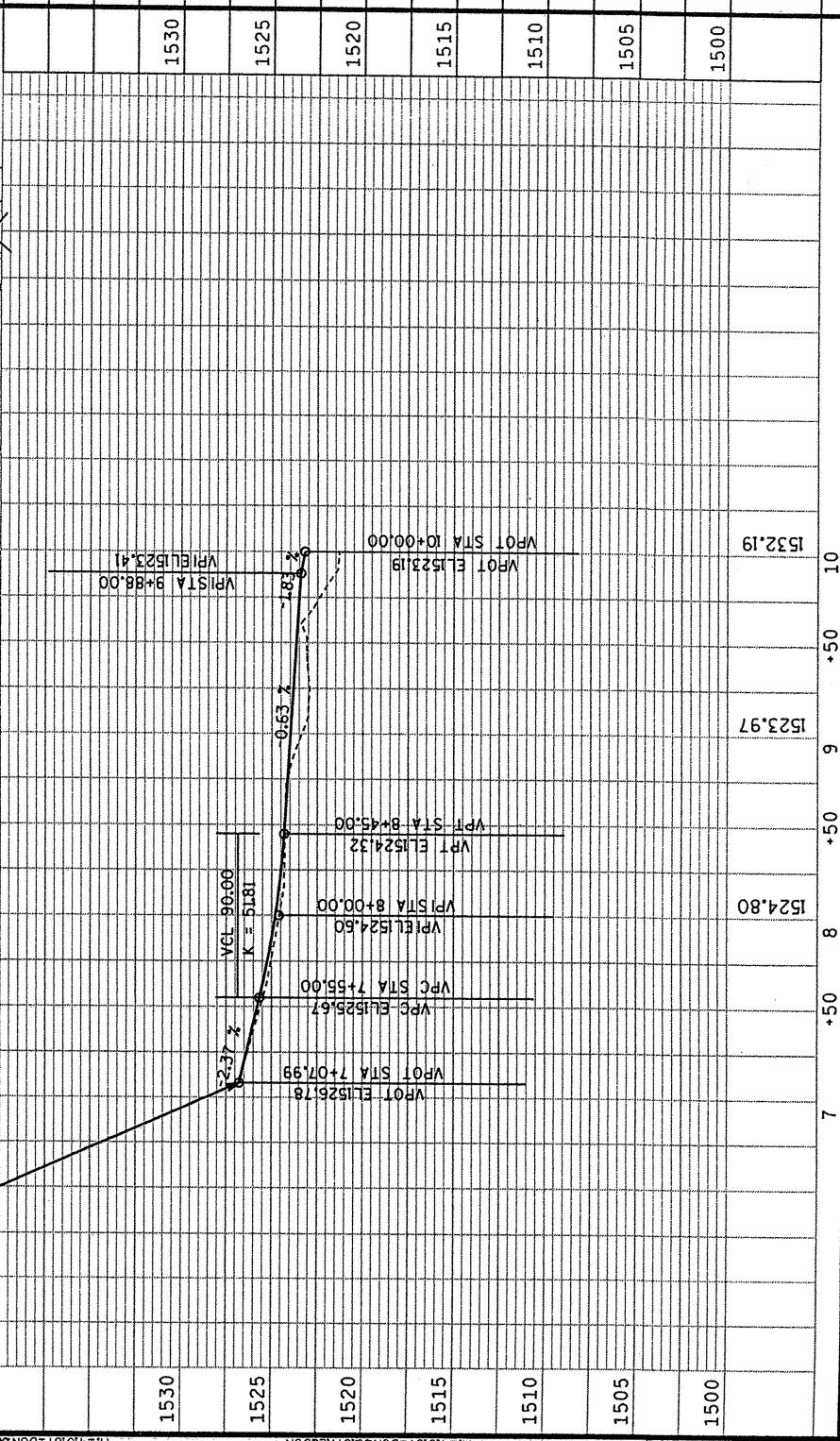
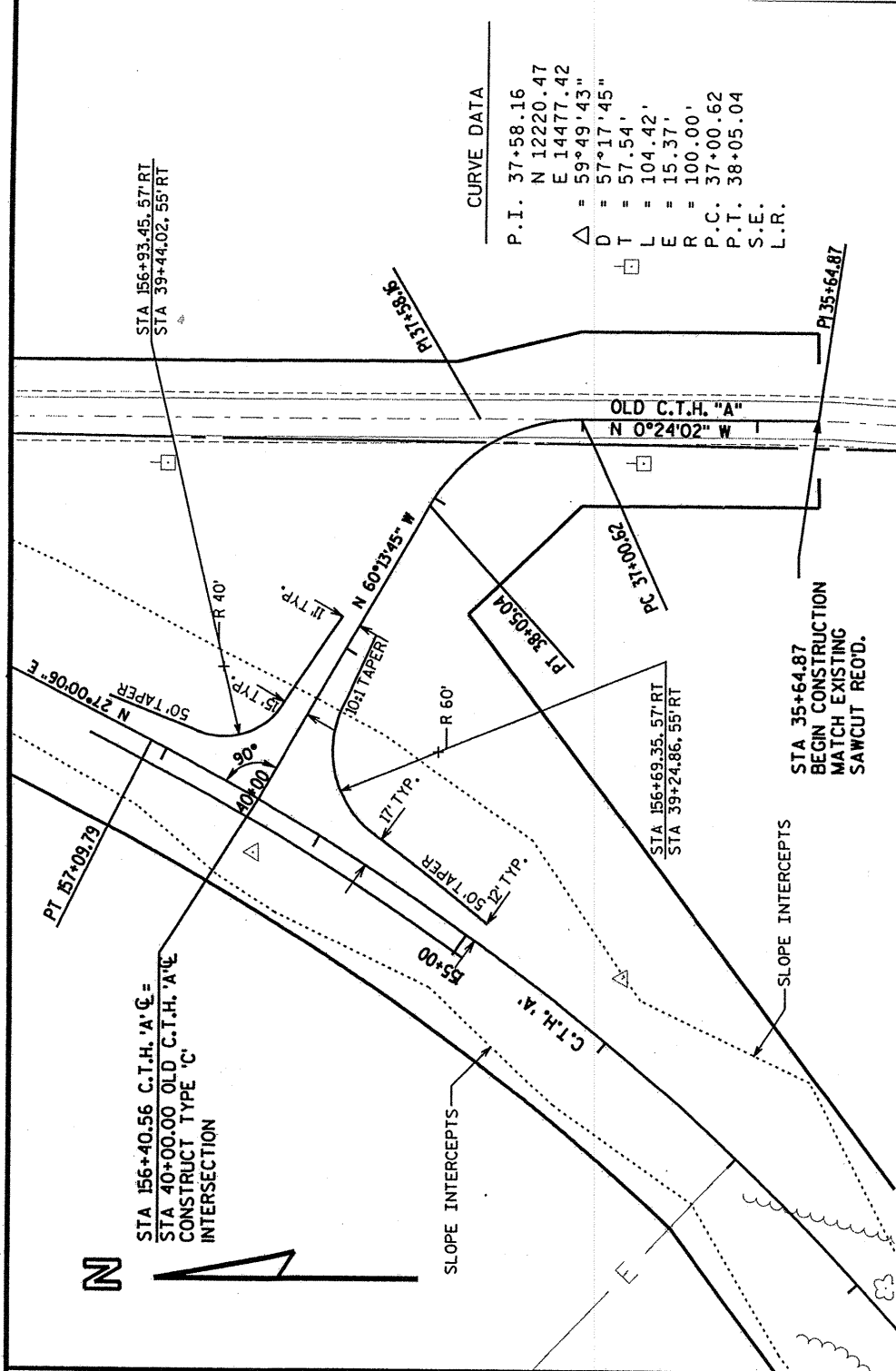
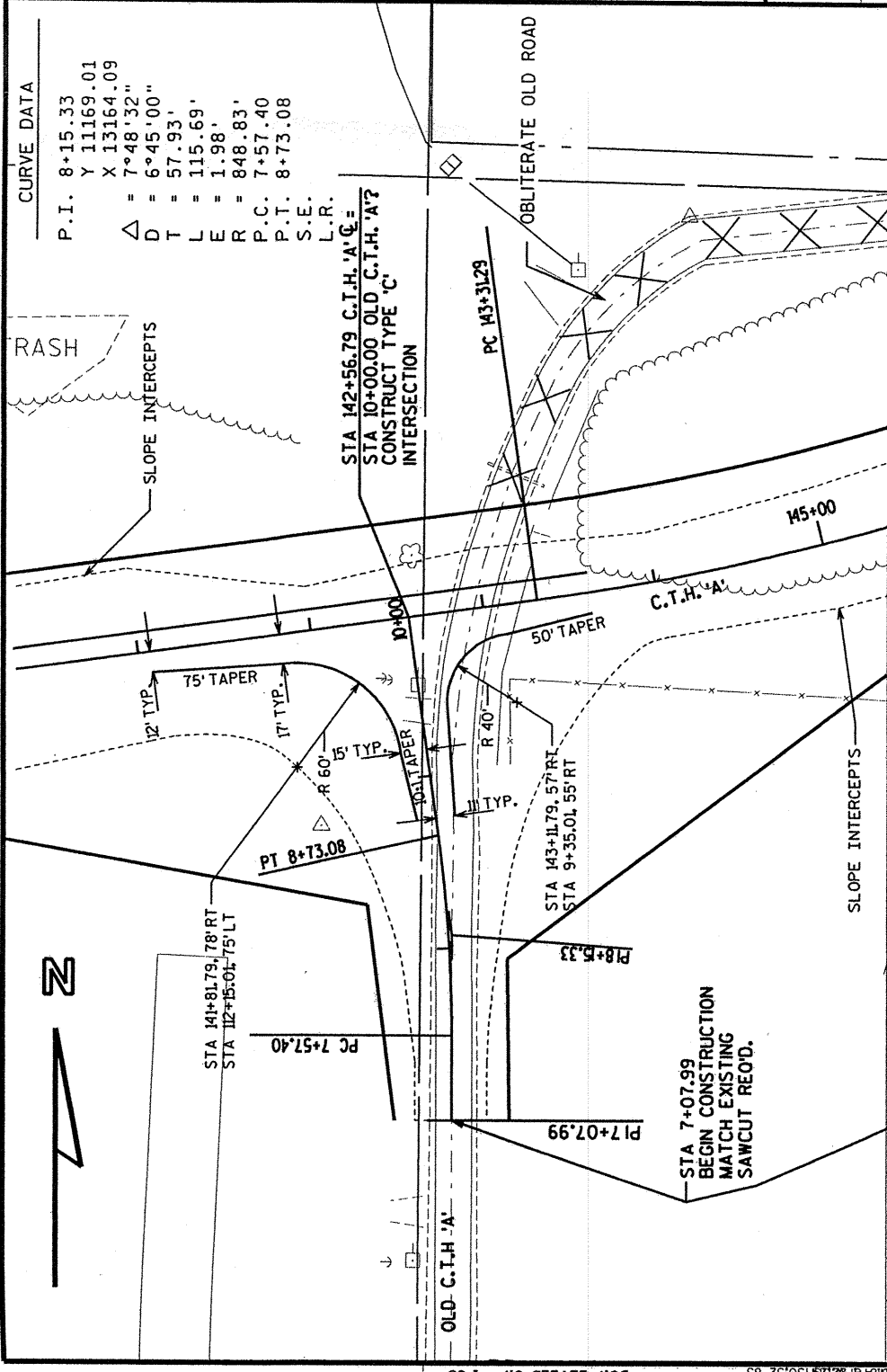
LEGEND

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

END CONSTRUCTION
 STA 173+00.00
 SAW CUT REQ'D.
 MATCH EXISTING
 N=12892.47
 E=15519.48



STATE PROJECT NUMBER: 9405-02-00	HWY: C.T.H. "A"	COUNTY: LINCOLN	PLAN AND PROFILE	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		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.		GAS PUMPS		DEPRESSION CONTOURS
	DRIVEWAY		TRANSMISSION TOWER AND LINE		SPOT ELEVATIONS
	RAILROAD		TELEPHONE POLE		INTERMITTENT STREAM
	BRIDGE		POWER POLE		STREAM OR RIVER
	CULVERT (End Treatment may be Shown)		INLET		MARSH AREA
	STORAGE TANK		HYDRANT		LAKE OR POND
	SILO, MANHOLE OR WELL, ETC.		SATELLITE DISH		WOODED OR SHRUB AREA
	BUILDING		LIGHT POLE		TREE
	FOUNDATION OR RUINS		VALVE		



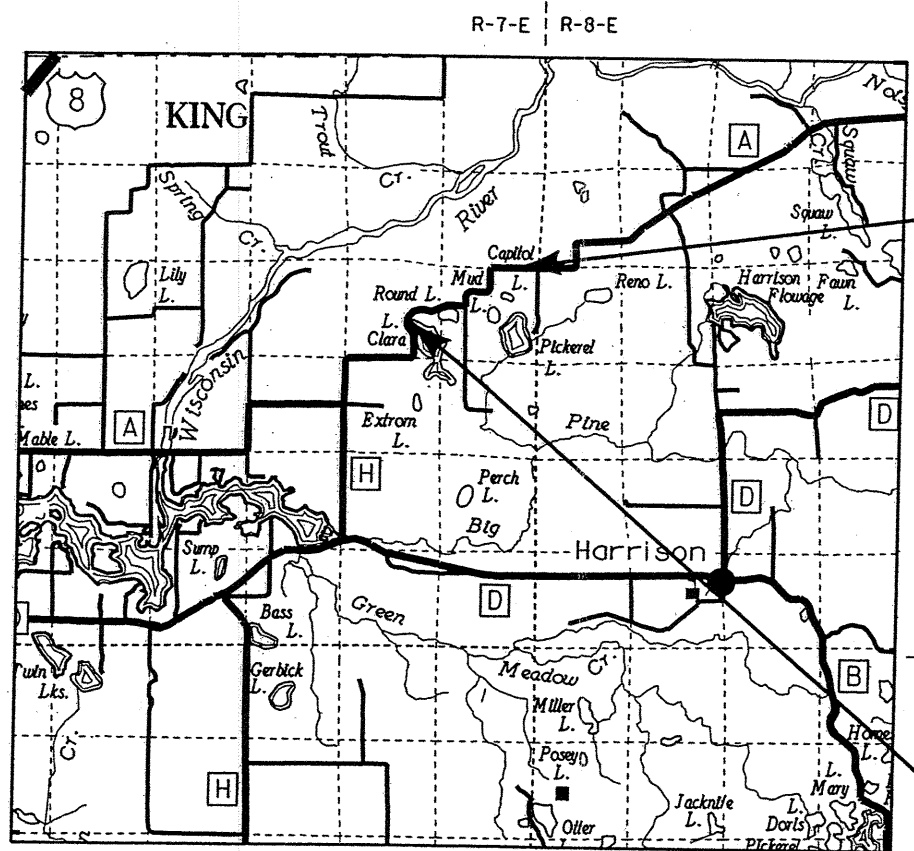
R/W PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
FEDERAL PROJECT NUMBER	4.1	
PLAT OF RIGHT OF WAY REQUIRED FOR CLARA LAKE - CALLAHAN ROAD		
C.T.H. "A"	LINCOLN COUNTY	
CONSTRUCTION PROJECT NUMBER	4.	

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	R	REFERENCE LINE
d/b/a	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)

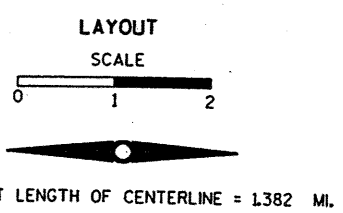
NOTES

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



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	
---------------	--

SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	SHEET NUMBER	OWNER(S)	INTEREST REQUIRED	TOTAL ACRES	NEW	RW ACRES REQUIRED OR S.F.		TOTAL ACRES REM.	T.I. ACRES
						EXISTING	TOTAL		
1	4.4	BUDDY M. & KIM L. RUMSEY	FEE	14.60	0.96	---	0.96	13.64	---
2	4.4	EDWARD & WILMA STEIGERWALDT	FEE	3.75	0.27	---	0.27	3.48	---
3	4.4	WILMER G. & DONNA L. KAMRATH	FEE	6.00	0.14	1.25	1.39	4.61	---
4	4.4	HAROLD L. SCHREFFLER	FEE	39.98	0.35	0.04	0.39	39.59	---
5	4.4	ROBERT B. SCHREFFLER	FEE	20.00	2.97	0.59	3.56	16.44	---
6	4.4-4.5	THOMAS P. & LYNN BISHOP	FEE	20.00	2.07	---	2.07	17.93	---
7	4.5	HIGHLAND EGG FARM, INC.	FEE	26.50	3.74	0.09	3.83	22.67	---
8	4.5	EDWARD F. STEIGERWALDT, JR. & WILLIAM M. STEIGERWALDT	FEE	40.00	1.92	1.12	3.04	36.96	---
9	4.5-4.6	CASE EQUIPMENT CORPORATION	FEE	38.40	3.90	0.90	4.80	33.60	---
10	4.6	MICHAEL C. HAMMAN	FEE	40.00	0.10	0.82	0.92	39.08	---
11	4.6	DUANE A. TAVES	FEE	40.00	2.55	1.88	4.43	35.57	---
15	4.4	WISCONSIN PUBLIC SERVICE CORPORATION	RELEASE OF RIGHTS						

REVISION DATE

DATE 12-18-2000

HWY: C.T.H. "A"

CONSTRUCTION PROJECT NUMBER

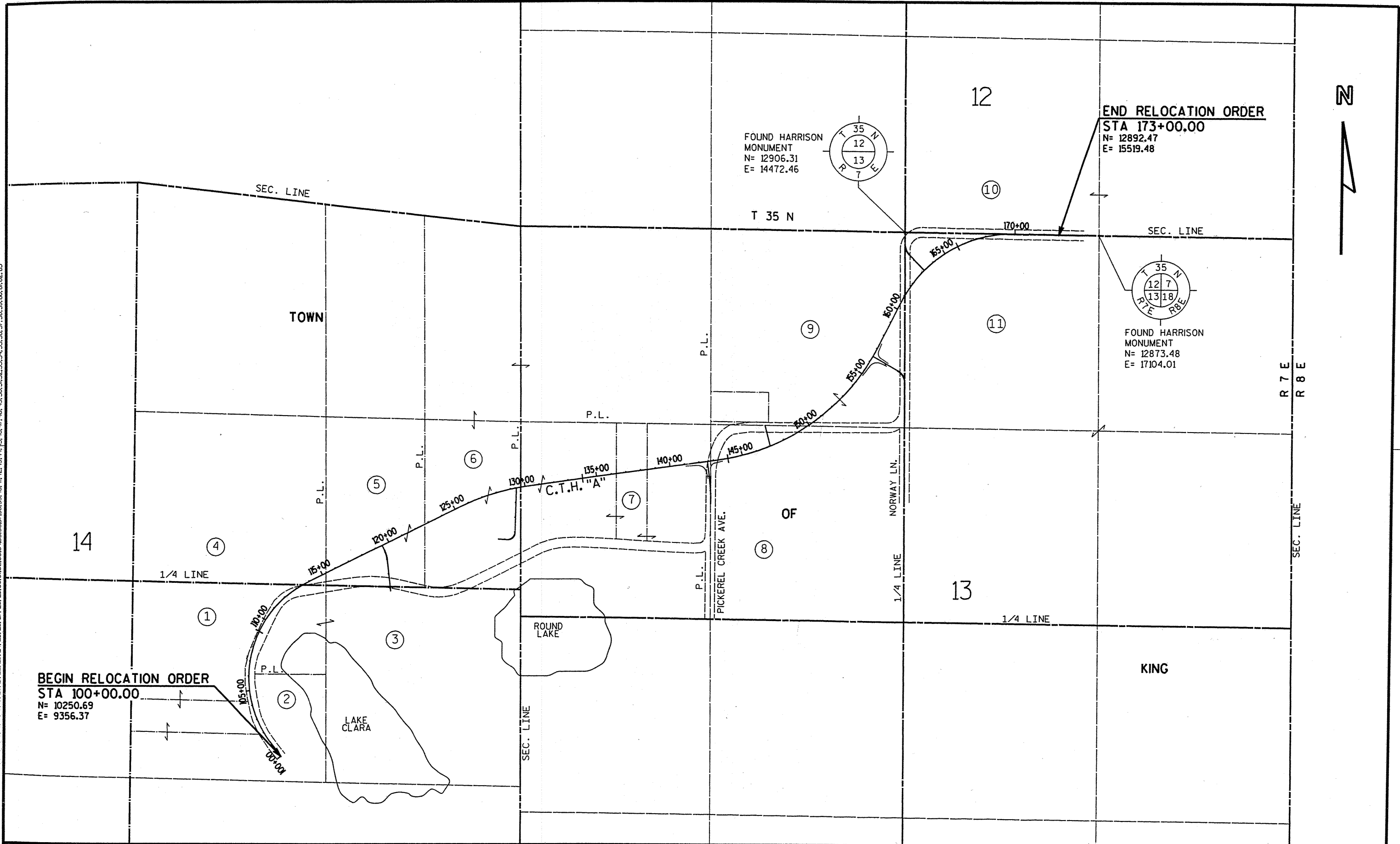
PS&E SHEET NO:

COUNTY: LINCOLN

PS&E SHEET NO: 4.2

E

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



BEGIN RELOCATION ORDER
STA 100+00.00
 N= 10250.69
 E= 9356.37

END RELOCATION ORDER
STA 173+00.00
 N= 12892.47
 E= 15519.48

FOUND HARRISON
 MONUMENT
 N= 12906.31
 E= 14472.46

FOUND HARRISON
 MONUMENT
 N= 12873.48
 E= 17104.01

REVISION DATE	DATE 12-18-2000	NOT TO SCALE	HWY: C.T.H. "A"	CONSTRUCTION PROJECT NUMBER - -	PS&E SHEET NO: 4.
			COUNTY: LINCOLN		PS&E SHEET NO: 4.3

