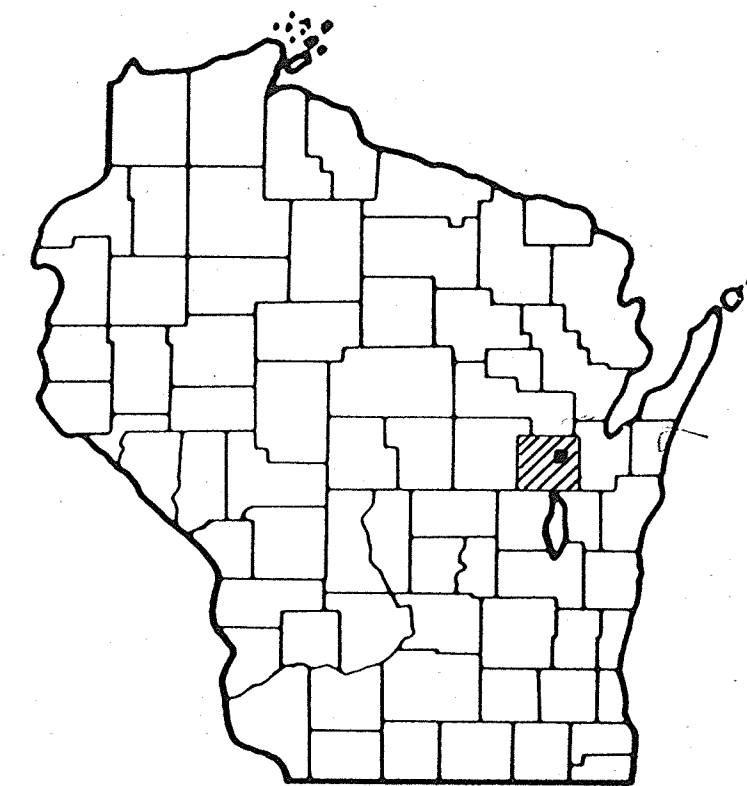


Index of Sheets

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.	Standard Sign Plates
Sheet No.	Structure Plans
Sheet No.	Computer Earthwork Data
Sheet No.	Cross Sections

TOTAL SHEETS =



Design Designation

A.D.T. 1983	= 800
A.D.T. 2003	= 1150
D.H.V. 2003	= 115
D.	= 60 - 40
T.	= 5%
V.	= 55 M.P.H.

Conventional Signs

County Line	----
Township or Range Line	----
Section Line	----
Corporate or City Limits	////
Property line	----
Lot Line	----
Existing Right of Way Line	----
New Right of Way Line	----
Base or Survey Line	----
Slope Intercept	----
Existing Roadway or Private Entrance	----

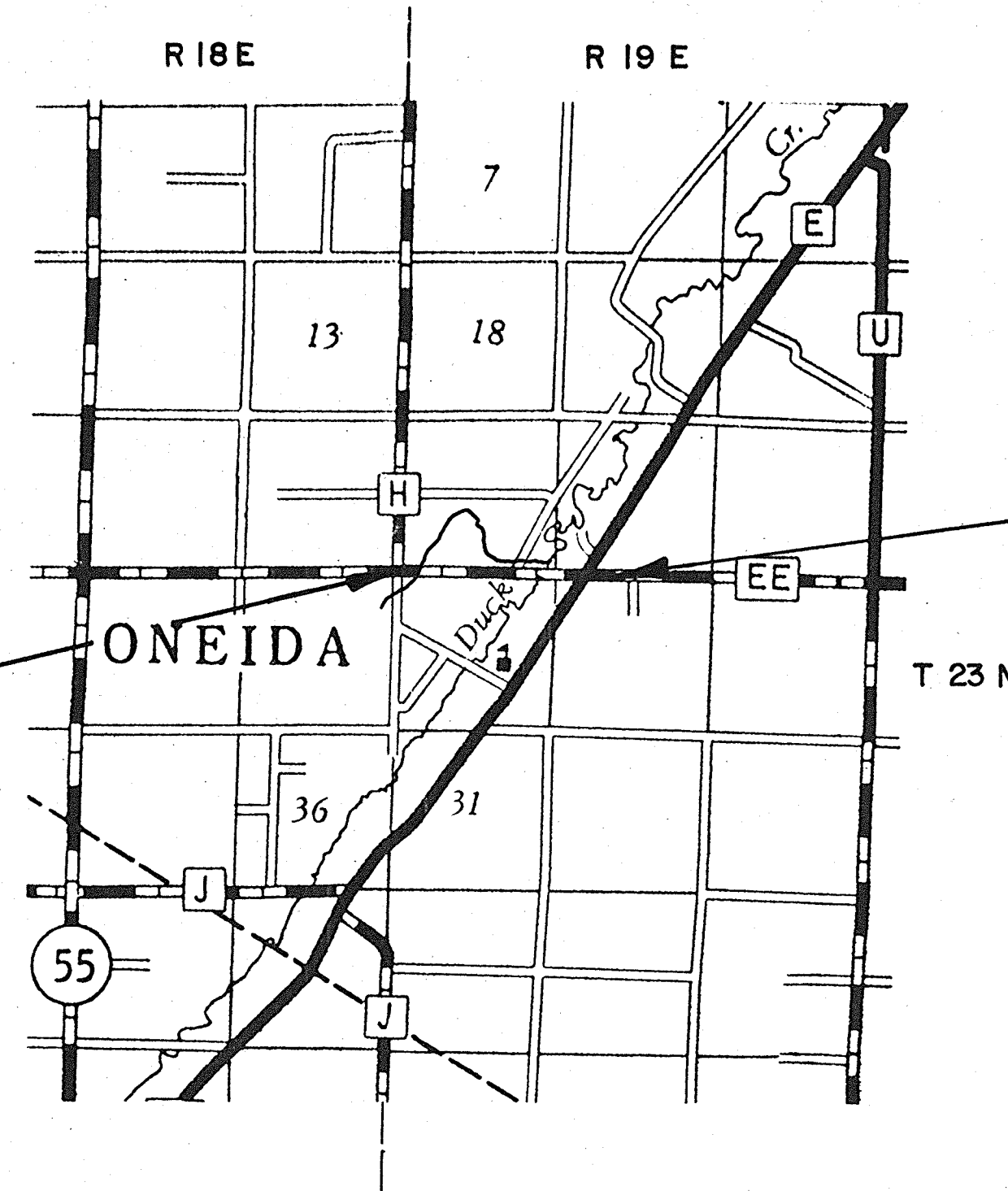
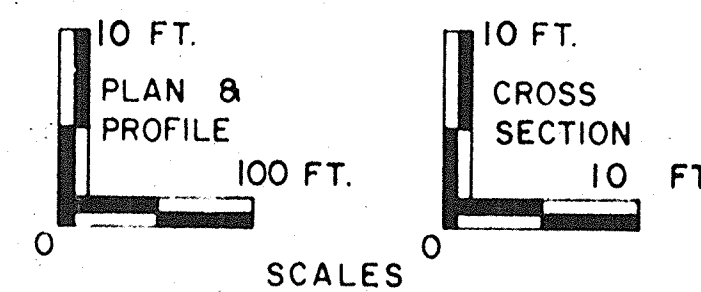
Caution Symbol (Combustible fluids under pressure)	
Railroads	----
Fence	----
Culverts in Place	----
Culverts Required	----
Power Pole	----
Telephone or Telegraph Pole	----
Right of Way Markers	----
Marsh	----
Wooded Area	----
Grade Elevation	----

OUTAGAMIE COUNTY HIGHWAY DEPARTMENT

PLAN OF PROPOSED IMPROVEMENT C.T.H. "H" — C.T.H. "E"

C.T.H. "EE" OUTAGAMIE COUNTY

COUNTY PROJECT NUMBER
215-81



BEGIN PROJECT 215-81

STATION 98+00.00

*N 227,700 (±100')
*E 2,456,500 (±100')
LOCATED 4,011 FEET SOUTH
AND 199,960 FEET WEST OF THE
SOUTHWEST CORNER OF SECTION
19, T 23 N, R 19 E

END PROJECT 215-81

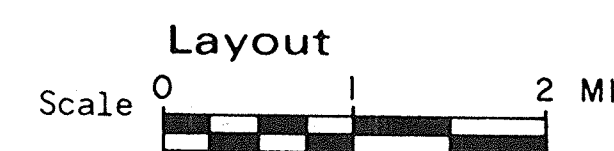
STATION 165+00.00

*N 227,700 (±100')
*E 2,463,000 (±100')
LOCATED 32,626 FEET SOUTH AND
6,295.121 FEET EAST OF THE
SOUTHWEST CORNER OF SECTION 19,
T 23 N, R 19 E



NOTE:

* - ALL COORDINATES SHOWN ON THIS
PLAN ARE SCALED FROM U.S.G.S.
TOPOGRAPHIC MAP, ONEIDA SOUTH, WIS.,
7.5 MIN. QUADRANGLE (CENTRAL ZONE)
FOR IDENTIFICATION ONLY.



Total Net Length of Centerline = 1.230 Mi. RURAL

COUNTY PROJECT	PROJECT	CONTRACT
215-81		1

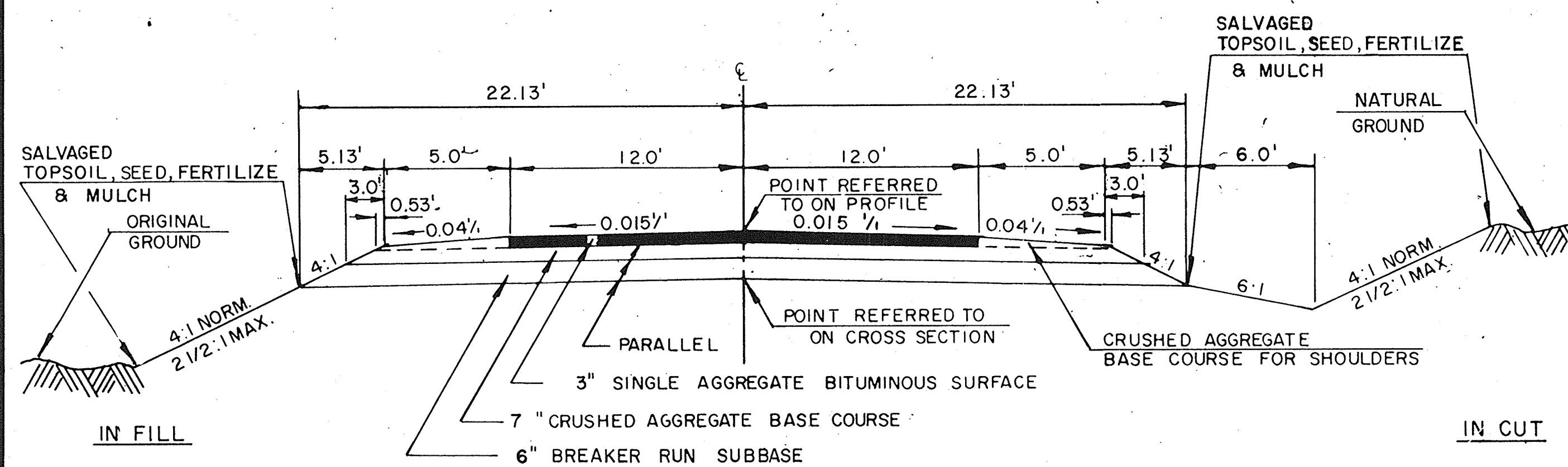
revised
11/4/83

APPROVED FOR OUTAGAMIE COUNTY
8-10-82 DATE
 SIGNATURE OF OFFICIAL
PLANS PREPARED BY OWEN AYRES & ASSOCIATES, INC. CONSULTING ENGINEERS GREEN BAY, WISCONSIN

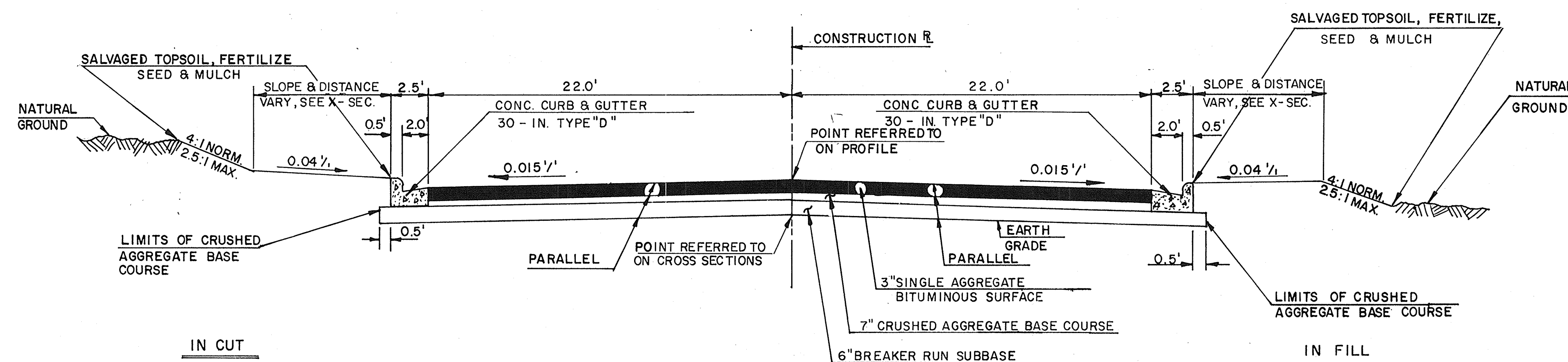
EE-8

EE-8

COUNTY PROJECT NUMBER	SHEET NO.
215 - 81	1
TYPICAL SECTIONS FOR C.T.H. "EE" OUTAGAMIE COUNTY	



TYPICAL FINISHED SECTION FOR C.T.H. "EE"
STA. 98+00 - STA. 156+00



TYPICAL SECTION FOR C.T.H. "EE"
STA. 156+00 - STA. 164+20

NOTE: PAVEMENT STRUCTURES SHOWN HERE TO BE USED
AT INTERSECTION WITH C.T.H. "E".

GENERAL NOTES

THE LOCATIONS 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.

THE EXACT LOCATION AND WIDTH FOR PRIVATE ENTRANCES SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

INLET AND DISCHARGE ELEVATIONS SHOWN ON THE PLAN SHEETS ARE APPROXIMATE AND SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

ALL TIES ON THIS PLAN ARE HORIZONTAL UNLESS DESCRIBED OTHERWISE.

CUBIC YARDS OF FILL AS SHOWN ON THE PLAN SHEETS PERTAINS TO EMBANKMENT CONSTRUCTED FROM UNCLASSIFIED EXCAVATION AND WAS COMPUTED WITH A SHRINKAGE FACTOR OF 33% BASED ON THE VOLUME OF THE FILL.

YARDAGE INFORMATION SHOWN ON THE CROSS SECTION SHEETS INCLUDES ALL MATERIAL OF CUT OR FILL, INCLUDING EXISTING PAVEMENT. HOWEVER, BALANCE POINTS AND TOTAL YARDAGE QUANTITIES HAVE BEEN ADJUSTED ASSUMING THE EXISTING PAVEMENT WILL BE RECYCLED.

DISTURBED AREAS WITHIN THE RIGHT OF WAY EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS ARE TO BE FERTILIZED AND SEEDED AS DIRECTED BY THE ENGINEER. SALVAGED TOPSOIL SHALL BE PLACED AS SHOWN ON THE PLANS. ALL AREAS COVERED BY SALVAGED TOPSOIL SHALL BE MULCHED.

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

CURB HEIGHTS AT END OF CURB AND GUTTER SHALL BE TAPERED FROM 2 TO 6 INCHES IN 6 FEET.

ALL PROPERTY LINES SHOWN ARE APPROXIMATE.

ALL RADII SHOWN ARE TO THE FACE OF CURB.

ALL DISTANCES ARE GROUND DISTANCES.

ALL BEARINGS ARE TRUE BEARINGS.

UTILITIES

ONEIDA COMMUNITY HEALTH CENTER
824 DOUBLE E ROAD
DE PERE, WI. 54115
ATTENTION: MR. JOHN SPANGBERG
TELEPHONE: 1 (414) 869-2711 EXT. 256

NORTHEAST TELEPHONE COMPANY
122 SOUTH ST. AUGUSTINE STREET
PULASKI, WI. 54162
ATTENTION: MR. ROBERT H. RIORDAN
TELEPHONE: 1 (414) 822-3201

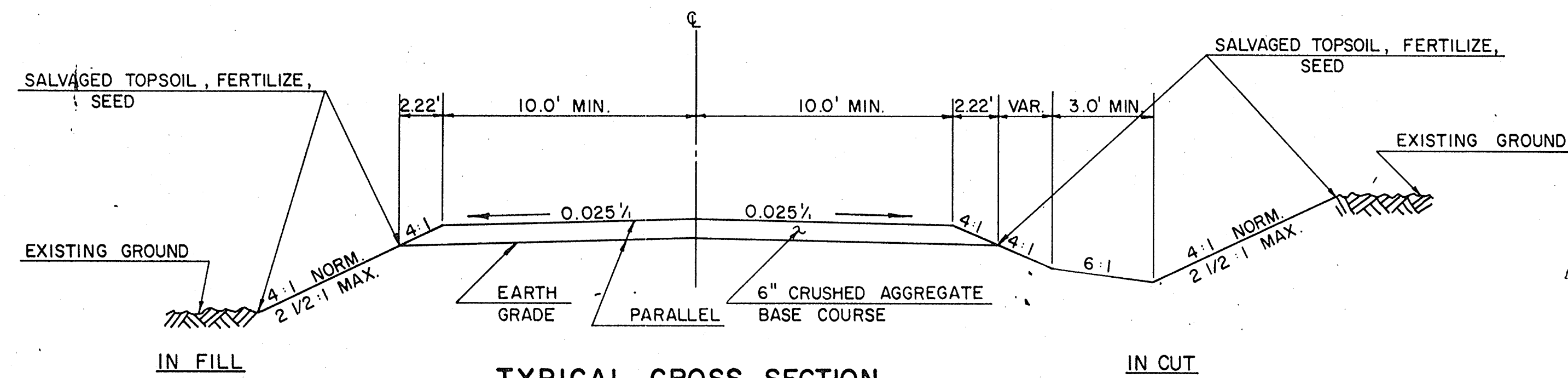
WISCONSIN TELEPHONE COMPANY
114 E. COLLEGE AVE.
P.O. BOX 2159
APPLETON, WI. 54913
ATTENTION: MR. MARV ROBERTSON
TELEPHONE: 1 (414) 735-3253

WISCONSIN ELECTRIC POWER COMPANY
P.O. BOX 1699
APPLETON, WI. 54913
ATTENTION: MR. D. P. O'SHASKY
TELEPHONE 1 (414) 735-8450

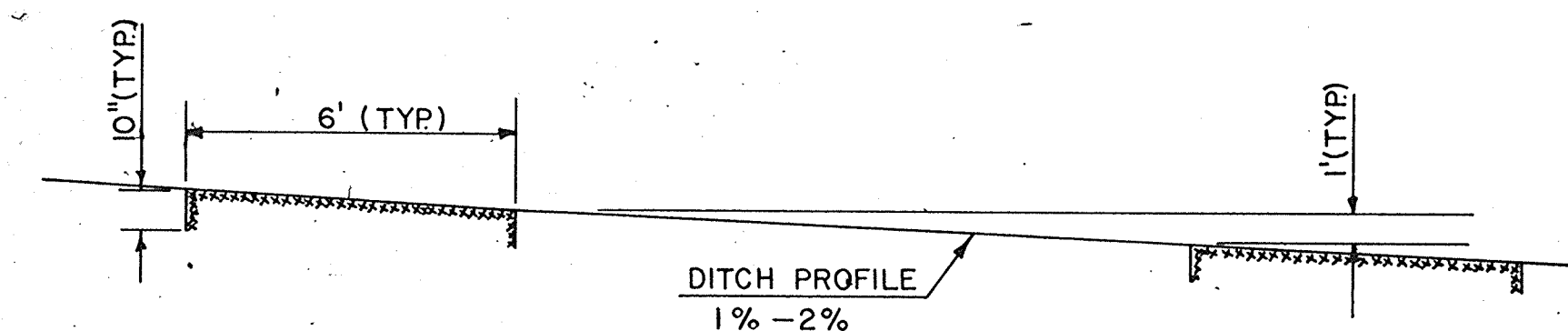
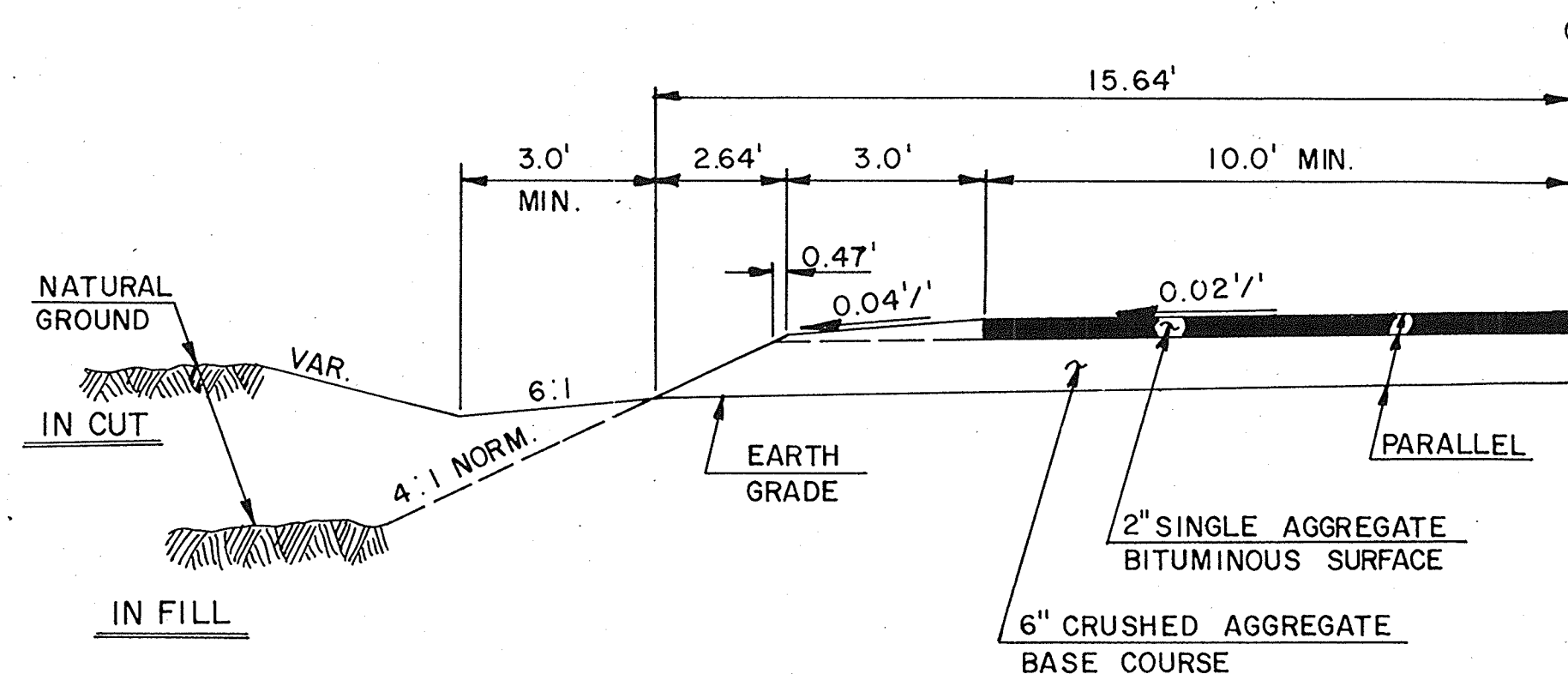
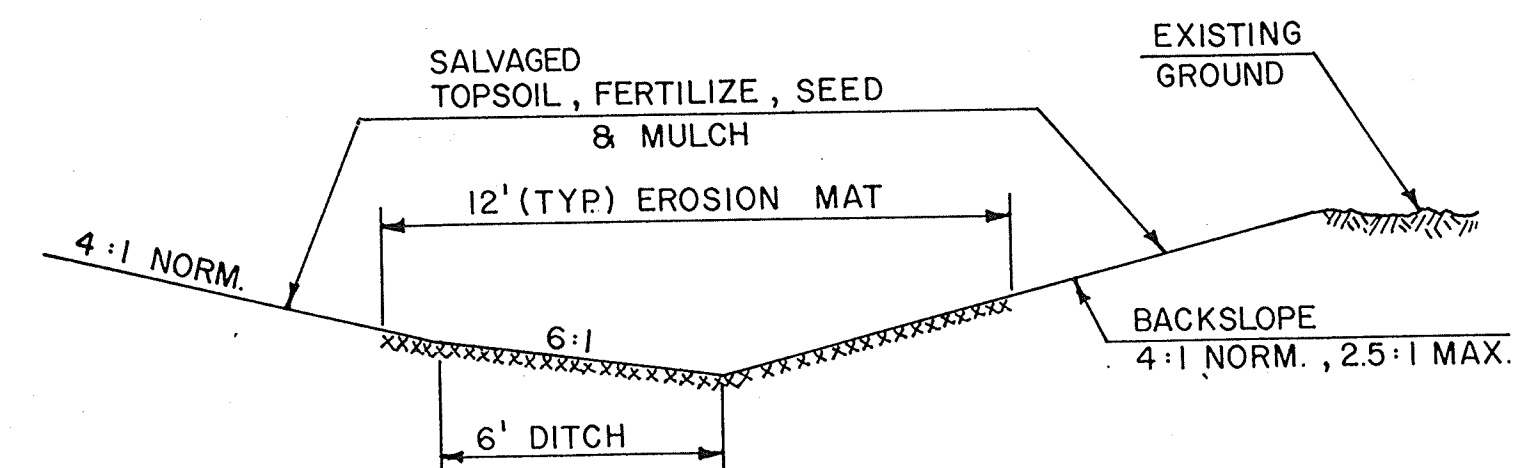
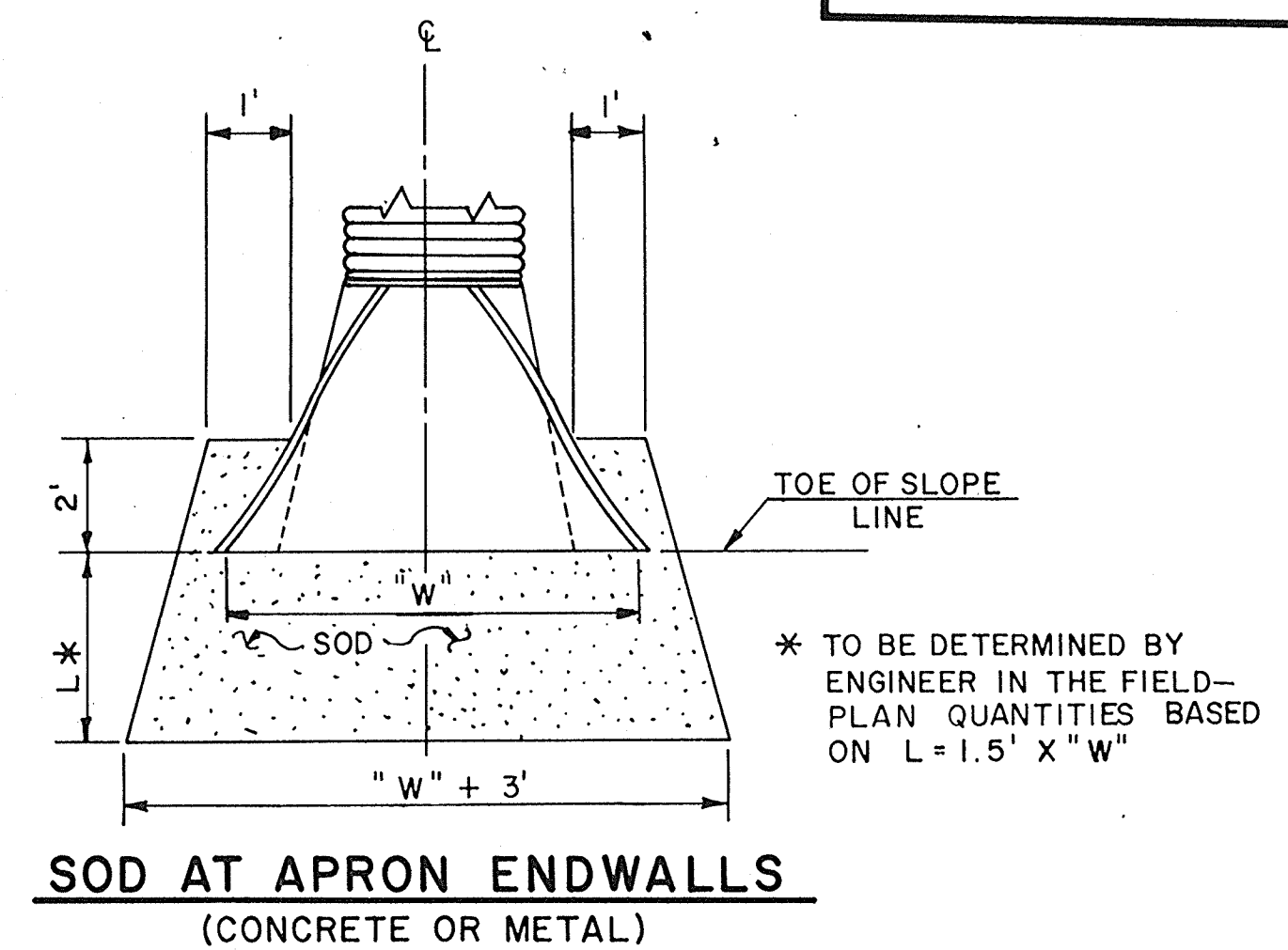
STANDARD DETAIL DRAWINGS

CONCRETE CURB, CONCRETE CURB AND GUTTER AND PAVEMENT TIES	8D1 - 6
CONCRETE SURFACE DRAIN	8D4 - 1
EROSION MAT	8E7 - 1
TYPICAL INSTALLATIONS OF EROSION BALES	8E8 - 1
APRON ENDWALLS FOR CULVERT PIPES AND PIPE ARCHES	8F1 - 9
LAYOUT DETAILS FOR AT-GRADE SIDE ROAD INTERSECTIONS	9A1 - 5
CLASS "A" STEEL PLATE BEAM GUARD (2 SHEETS)	14B2 - 5a & b
CONSTRUCTION BARRICADES AND STANDARD SIGNS	15C1 - 7

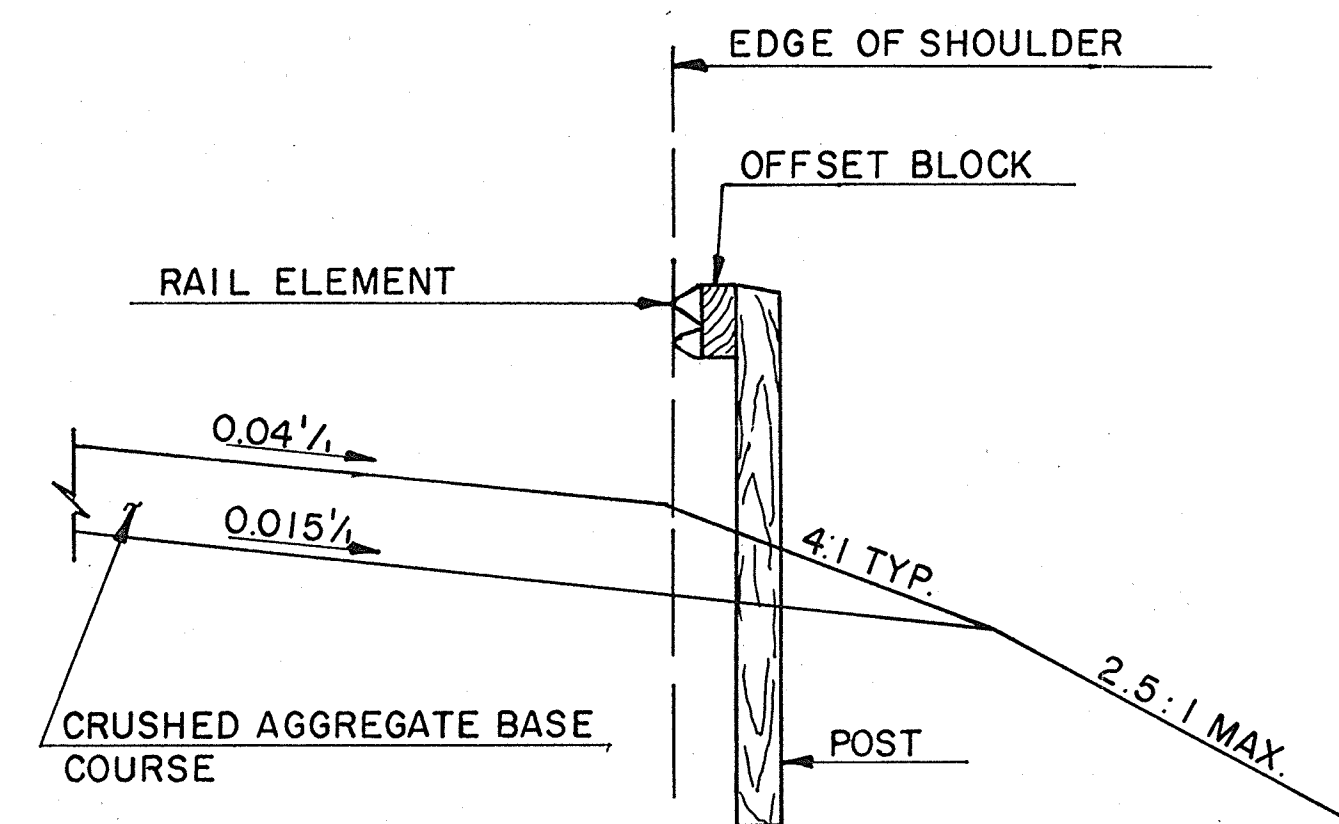
COUNTY PROJECT NUMBER	SHEET NO.
215-81	
CONSTRUCTION DETAILS FOR	
C.T.H. "EE"	OUTAGAMIE CO.



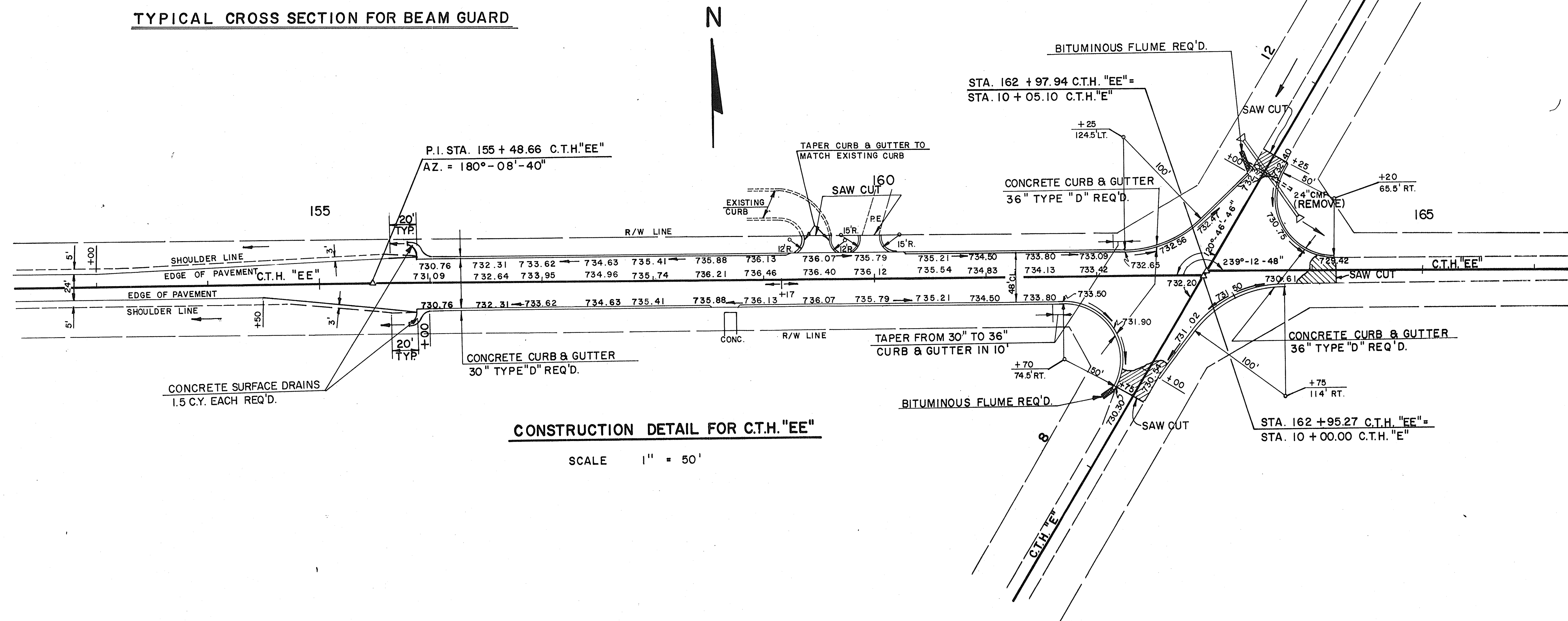
**TYPICAL CROSS SECTION
FOR
GRAVEL SURFACED P.E. & F.E.'s.**



COUNTY PROJECT NUMBER	SHEET NO.
215 - 81	
CONSTRUCTION DETAILS FOR	
C.T.H. "EE"	OUTAGAMIE CO.



TYPICAL CROSS SECTION FOR BEAM GUARD



COUNTY PROJECT NUMBER	SHEET NO.
215 - 81	
MISCELLANEOUS QUANTITIES FOR C.T.H. "EE" OUTAGAMIE COUNTY	

CLEARING AND GRUBBING

STATION TO STATION	CLEARING IN. DIA. STA.	GRUBBING IN. DIA. STA.
100 + 50 - 102 + 50	2	2
102 + 50 - 103 + 50	30	30
113 + 00 - 115 + 00	36	36
120 + 00 - 126 + 00	7	7
126 + 00 - 130 + 00	4	4
130 + 00 - 131 + 00	28	28
137 + 00 - 139 + 00	1	1
142 + 00 - 152 + 00	10	10

BASE COURSE

LOCATION	BREAKER RUN SUBBASE (TONS)	CRUSHED AGGREGATE BASE COURSE (TONS)
MAINLINE		
ROADWAY	10,570	11,000
SHOULDERS		1,075
P.E.'S & F.E.'S		280
C.T.H. 'H'		
ROADWAY	190	190
SHOULDERS		20
LAMBIE ROAD		
ROADWAY		150
SHOULDERS		15
C.T.H. 'E'		
ROADWAY	440	500
SHOULDERS	---	---

LANDSCAPING ITEMS

LOCATION	SALVAGED TOPSOIL (S.Y.)	MULCHING (S.Y.)	FERTILIZER (CWT)	SEEDING NO. 1 (LBS.)	SEEDING NO. 4 (LBS.)
98 + 00 - 156 + 00	28,300	23,300	18	380	
156 + 00 - 165 + 00	3,700	3,700	2		65

REMOVING OLD CULVERTS

LOCATION	QUANTITY
STATION 119 + 86	1
STATION 124 + 55	1

CROSS DRAINS

STATION (E)	DIA. (IN.)	LENGTH (FT.)	TYPE	R.C.C.P. (CLASS)	THICKNESS (IN.) STEEL ALUMINUM	ELEVATIONS INLET DISCHARGE	RIPRAP (C.Y.)
119 + 85	48	68	C.P.	111	0.109 0.105	711.0 710.0	3
124 + 60	42	76	C.P.	111	0.109 0.105	703.5 701.5	3

EROSION MAT

STATION TO STATION	LOCATION	DITCH CHECKS (NO.)	DITCH LINING	QUANTITY SQ. YD.
98 + 00 - 100 + 00	RT.	3		30
104 + 00 - 107 + 00	LT. & RT.		X	800
107 + 00 - 109 + 00	LT. & RT.	6		60
112 + 00 - 115 + 00	LT.	7		70
115 + 00 - 118 + 00	RT.	4		40
118 + 00 - 120 + 00	RT.		X	267
124 + 00 - 125 + 00	RT.		X	133
134 + 00 - 138 + 00	LT. & RT.	10		100
150 + 00 - 156 + 00	LT. & RT.		X	1,600
UNDISTRIBUTED				200

MISCELLANEOUS CONCRETE ITEMS

LOCATION	CURB AND GUTTER, TYPE 'D' 30" (L.F.)	CONCRETE DRIVEWAY (S.Y.)	CONCRETE SURFACE DRAINS (C.Y.)
STA. 156 + 00 - 162 + 25, LT.	625		
STA. 156 + 00 - 161 + 70, RT.	570		
STA. 156 + 00 LT. & RT.			3.0
STA. 128 + 00 RT.		32	
C.T.H. 'EE' - C.T.H. 'E' INT.			
N.W. RADIUS	135		
N.E. RADIUS	113		
S.E. RADIUS	148		
S.W. RADIUS	54		

MINOR SIDE ROAD AND PRIVATE ENTRANCE PIPES

STATION	LENGTH	DIA. (IN.)	LENGTH (FT.)	TYPE	R.C.C.P. (CLASS)	THICKNESS (IN.) STEEL ALUMINUM	ELEVATIONS INLET DISCHARGE	APRON ENDWALLS	SOD (S.Y.)
9 + 50	C.T.H. 'H'	36	68	C.P.	111	0.079 0.105	719.0 718.5	---	---
10 + 50	C.T.H. 'H'	24	48	C.P.	111	0.064 0.075	724.5 723.5	---	---
11 + 10	C.T.H. 'E'	24	84	C.P.	111	0.064 0.075	728.5 727.6	---	---
-----	12 P.E.'S	18	28 EA.	C.P.	111	0.064 0.060	---	24	144
118 + 10	P.E. RT.	24	28	C.P.	111	0.064 0.075	---	2	16

EROSION BALES

LOCATION	QUANTITY
UNDISTRIBUTED	100

SODDING

LOCATION	QUANTITY SQ. YD.
AT PIPE ENDS	160
UNDISTRIBUTED	40

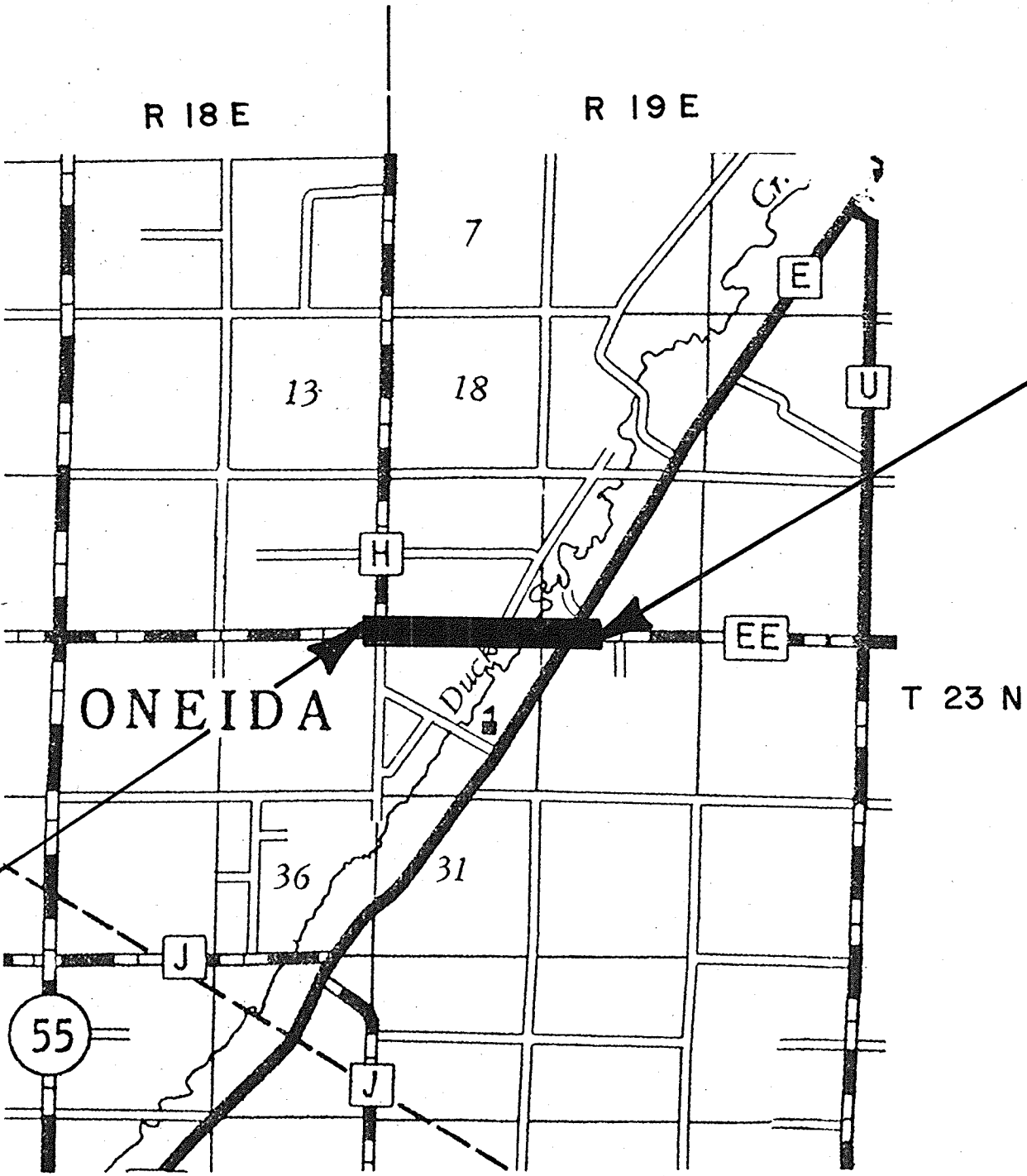
REVISION DATE	R/W PROJECT NUMBER 215 - 81	SHEET NUMBER 4.0
	FEDERAL PROJECT NUMBER	
PLAT OF RIGHT OF WAY REQUIRED FOR C.T.H. "EE"		
OUTAGAMIE COUNTY		
0 100 200 Ft.		DATE
CONSTRUCTION PROJECT NUMBER		

NOTE: BEARINGS SHOWN ON THIS PLAT
ARE TRUE BEARINGS OF EACH TANGENT
TO THE NEAREST SECOND.

STANDARD ABBREVIATIONS

AZIMUTH	AZ.
BUILDING	BLDG.
CORNER	COR.
COUNTY TRUNK HIGHWAY	C.T.H.
EXISTING	EXIST.
GARAGE	GAR.
HOUSE	H
LIGHT POLE	L.P.
MONUMENT	MON.
NUMBER	NO.
POINT OF INTERSECTION	P.I.
POINT ON TANGENT	P.O.T.
PROPERTY LINE	P.L.
RANGE	R
RIGHT OF WAY	R/W
ROAD	RD
STATION	STA.
TOWN	T
WATER VALVE	W.V.

BEGIN RELOCATION ORDER
PROJECT 215-81
STATION 98 + 00.00
*N 227,700 (±100')
*E 2,456,500 (±100')
LOCATED 4.011 FEET SOUTH
AND 199.960 FEET WEST OF THE
SOUTHWEST CORNER OF SECTION
19, T 23N, R19E.

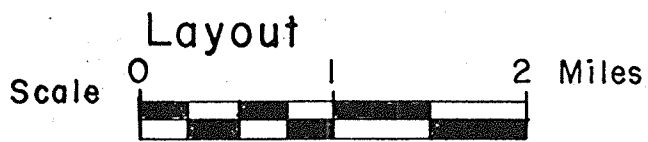


END RELOCATION ORDER

PROJECT 215-81
STATION 162 + 95.27
*N 227,700 (±100')
*E 2,462,800 (±100')
LOCATED 32.626 FEET SOUTH AND
6,295.121 FEET EAST OF THE
SOUTHWEST CORNER OF SECTION 19,
T 23N, R19E

PARCEL NUMBER	SHEET NUMBER	OWNER
1	4.1	CASPER HILL
2	4.1	THOMAS P. GARVEY
3	4.1, 4.2	FLOYD P. COTTRELL
4	4.1	ORIN A. PETERSON
5	4.1, 4.2	GAIL C. HENKE
6	4.2	ORIN J. PETERSON
7	4.2	ORIN A. PETERSON
8	4.2	LOUIS J. PETERSON
9	4.2	JOHN M. DORN
10	4.2	ELSIE L. GREEN
11	4.2, 4.3	DONALD A. PETERSON
12	4.3	CHARLES J. SCHUH
13	4.2, 4.3	U. S. A.
14	4.2	U. S. A.
15	4.3	WILLIAM A. CORNELIUS

NOTE:
* - ALL COORDINATES SHOWN ON THIS
PLAT ARE SCALED FROM U.S.G.S.
TOPOGRAPHIC MAP, ONEIDA SOUTH, WIS.,
7.5 MIN. QUADRANGLE (CENTRAL ZONE)
FOR IDENTIFICATION ONLY.



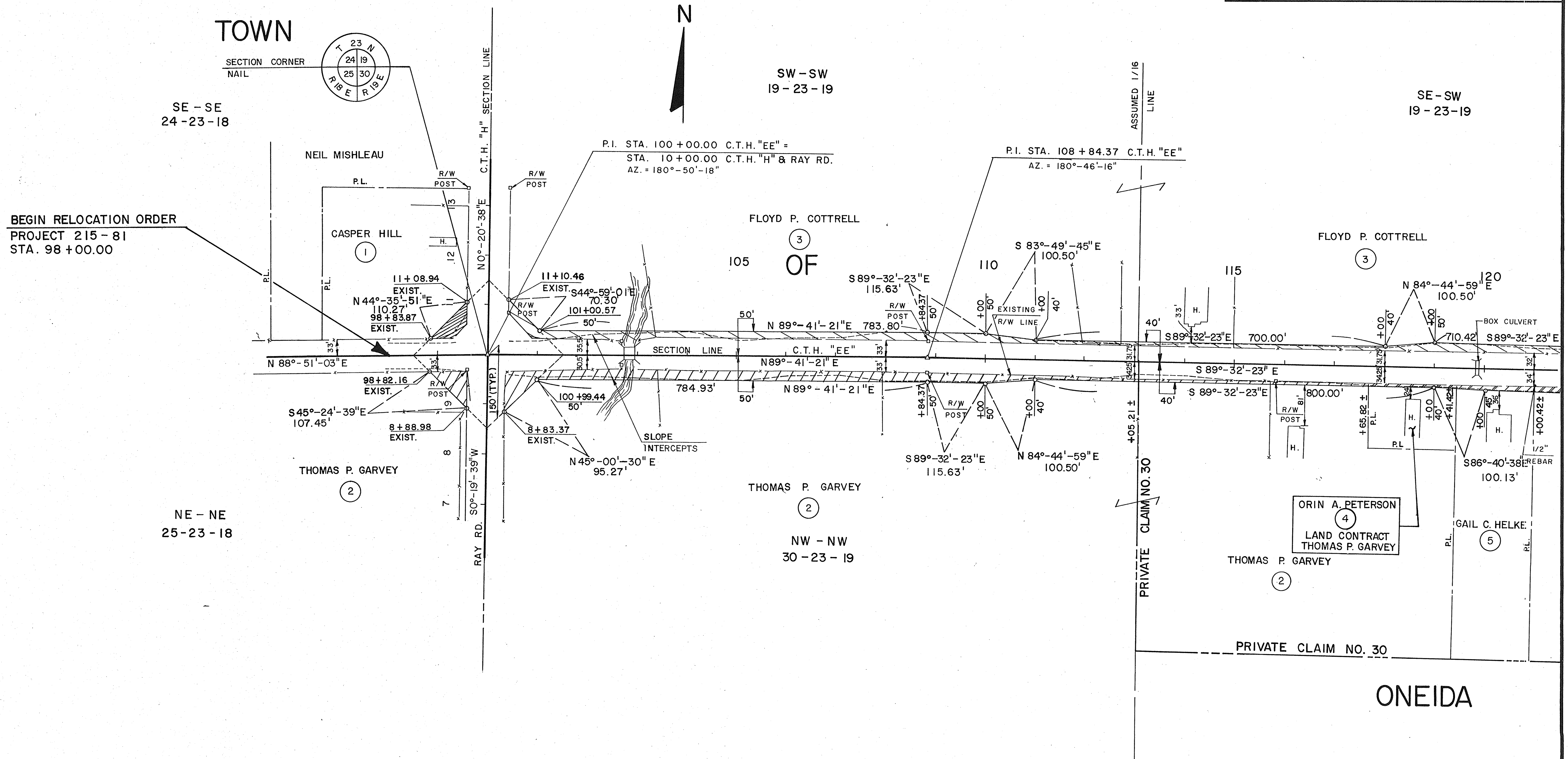
Total Net Length of Centerline= 1.230 Mi. RURAL

APPROVED FOR OUTAGAMIE COUNTY	
8-10-82 DATE	<i>Michael Manda</i> SIGNATURE OF OFFICIAL
PLAT PREPARED BY OWEN AYRES & ASSOCIATES, INC. CONSULTING ENGINEERS GREEN BAY, WISCONSIN	

SCHEDULE OF LANDS AND INTERESTS REQUIRED

PARCEL NUMBER	OWNER	INTEREST REQ'D.	L.H.E. ACRES	ACRES REQUIRED			TOTAL REMAINING ACRES
				NEW R/W REQUIRED	EXIST. R/W	TOTAL R/W REQUIRED	
1	CASPER HILL	FEE TITLE		0.04	0.17	0.21	2.29
2	THOMAS P. GARVEY	FEE TITLE		0.65	1.52	2.17	126.46
3	FLOYD P. COTTRELL	FEE TITLE		1.06	2.55	3.61	109.39
4	ORIN A. PETERSON	FEE TITLE		0.02	0.13	0.15	0.50
5	GAIL C. HELKE	FEE TITLE		0.04	0.12	0.16	1.86

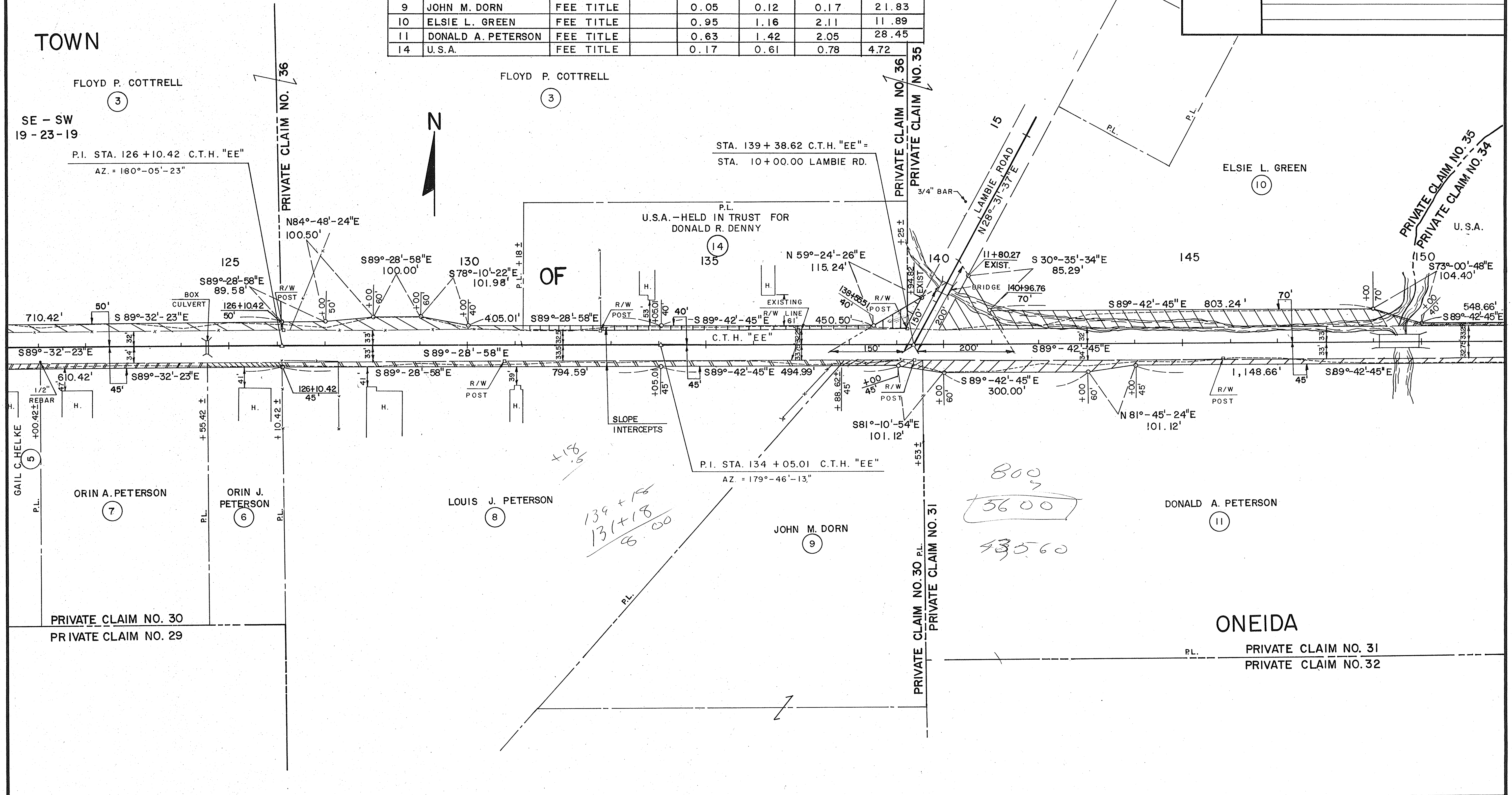
REVISION DATE	R/W PROJECT NUMBER 215 - 81	SHEET NUMBER 4.1
	FEDERAL PROJECT NUMBER	
PLAT OF RIGHT OF WAY REQUIRED FOR C.T.H. "EE" OUTAGAMIE COUNTY		
SCALE 0 100 200 Ft.		DATE
CONSTRUCTION PROJECT NUMBER		



SCHEDULE OF LANDS AND INTERESTS REQUIRED

PARCEL NUMBER	OWNER	INTEREST REQUIRED	L.H.E. ACRES	ACRES REQUIRED			TOTAL REMAINING ACRES
				NEW R/W REQUIRED	EXISTING R/W	TOTAL R/W REQUIRED	
3	FLOYD P. COTTRELL	FEE TITLE		1.06	2.55	3.61	150.00
5	GAIL C. HELKE	FEE TITLE		0.04	0.12	0.16	1.86
6	ORIN J. PETERSON	FEE TITLE		0.04	0.12	0.16	1.79
7	ORIN A. PETERSON	FEE TITLE		0.09	0.13	0.22	4.27
8	LOUIS J. PETERSON	FEE TITLE		0.31	0.89	1.20	18.80
9	JOHN M. DORN	FEE TITLE		0.05	0.12	0.17	21.83
10	ELSIE L. GREEN	FEE TITLE		0.95	1.16	2.11	11.89
11	DONALD A. PETERSON	FEE TITLE		0.63	1.42	2.05	28.45
14	U.S.A.	FEE TITLE		0.17	0.61	0.78	4.72

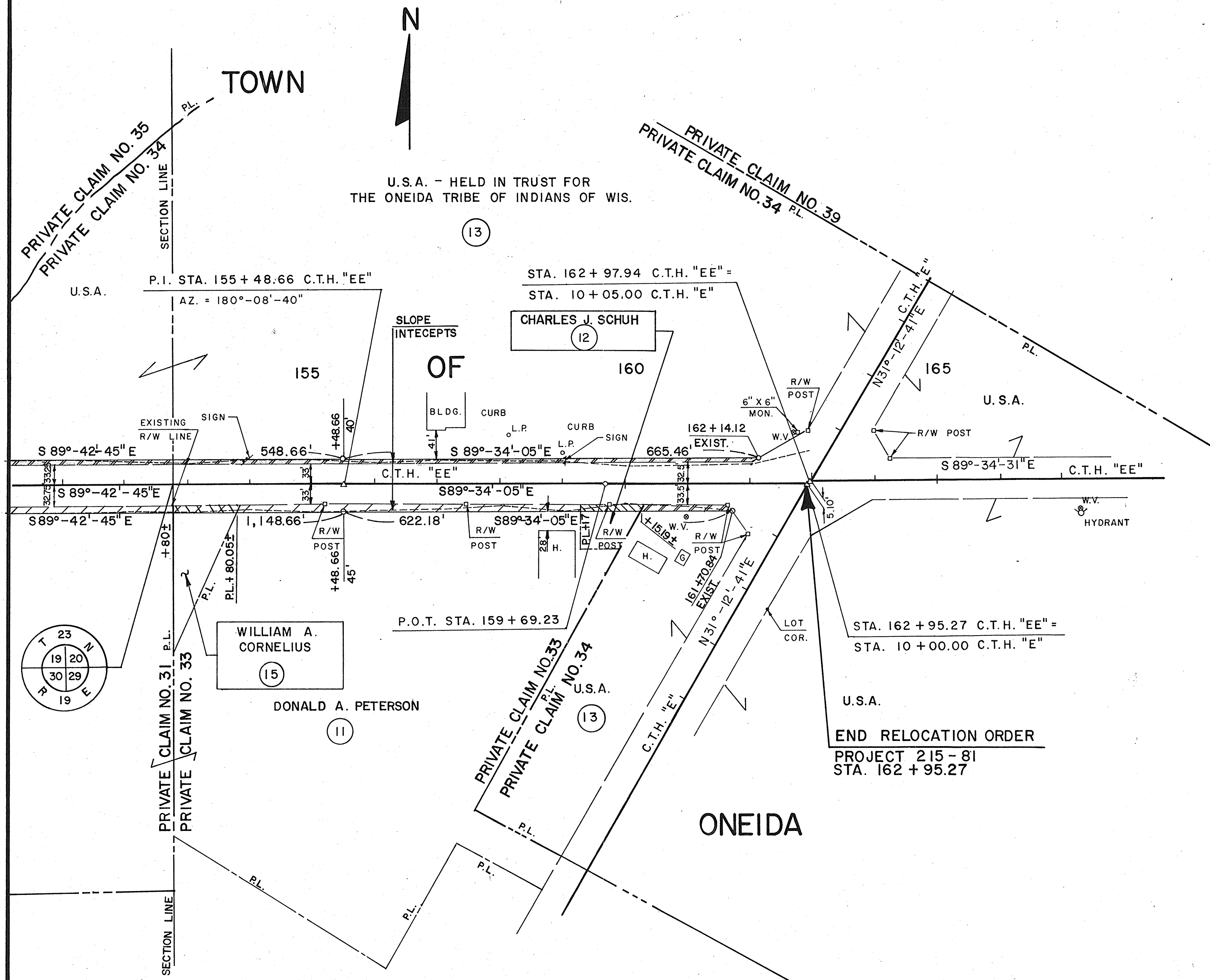
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FEDERAL PROJECT NUMBER		
PLAT OF RIGHT OF WAY REQUIRED FOR C.T.H. "EE" OUTAGAMIE COUNTY		
SCALE 0 100 200 Ft.		DATE
CONSTRUCTION PROJECT NUMBER		



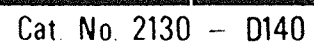
SCHEDULE OF LANDS AND INTERESTS REQUIRED

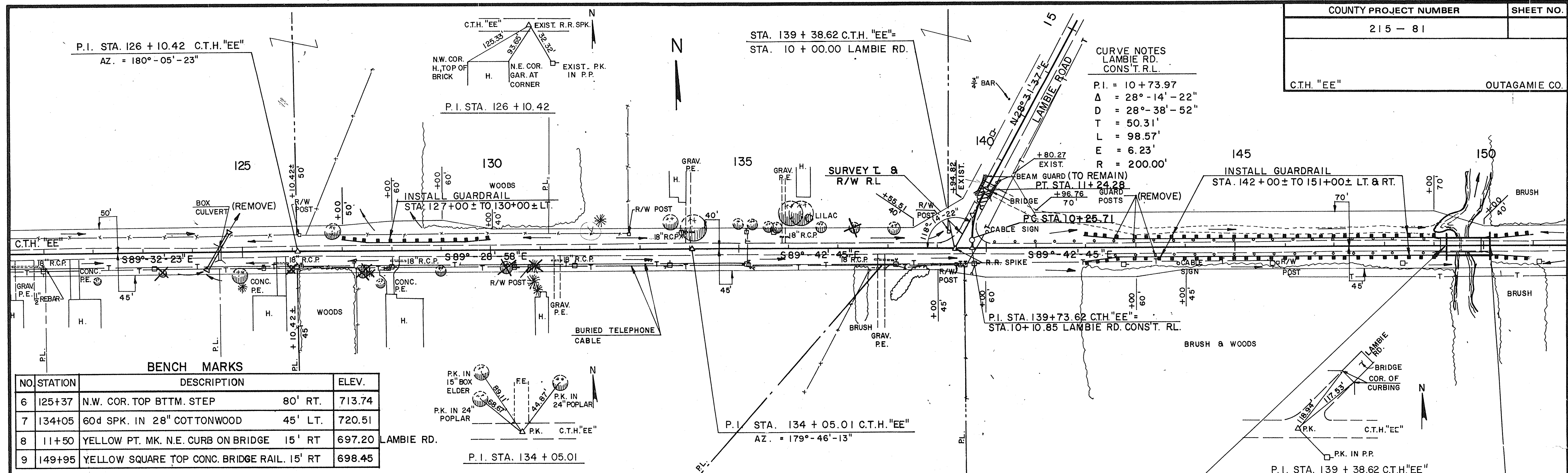
PARCEL NUMBER	OWNER	INTEREST REQUIRED	L.H.E. ACRES	ACRES REQUIRED			TOTAL REMAINING ACRES
				NEW R/W REQUIRED	EXISTING R/W	TOTAL R/W REQUIRED	
11	DONALD A. PETERSON	FEE TITLE		0.63	1.42	2.05	28.45
12	CHARLES J. SCHUH	FEE TITLE		0.03	0.07	0.10	0.12
13	U.S. A.	FEE TITLE		0.22	1.07	1.29	58.71
15	WILLIAM A. CORNELIUS	FEE TITLE		0.03	0.08	0.11	0.22

REVISION DATE	R/W PROJECT NUMBER 215-81	SHEET NUMBER 4.3
	FEDERAL PROJECT NUMBER	
	PLAT OF RIGHT OF WAY REQUIRED FOR C.T.H. "EE" OUTAGAMIE COUNTY	
	SCALE 0 100 200 Ft.	DATE
	CONSTRUCTION PROJECT NUMBER	



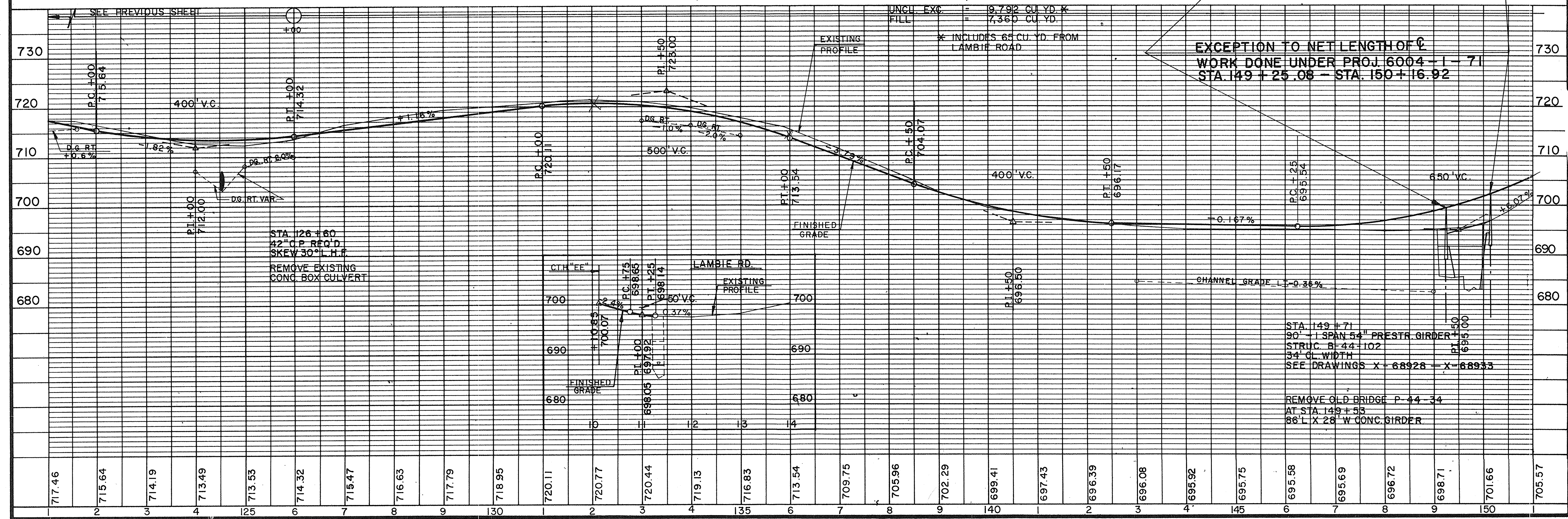
COUNTYPROJECT NUMBER	SHEET NO.
215 - 81	
C.T.H. "EE"	
OUTAGAMIE CO.	

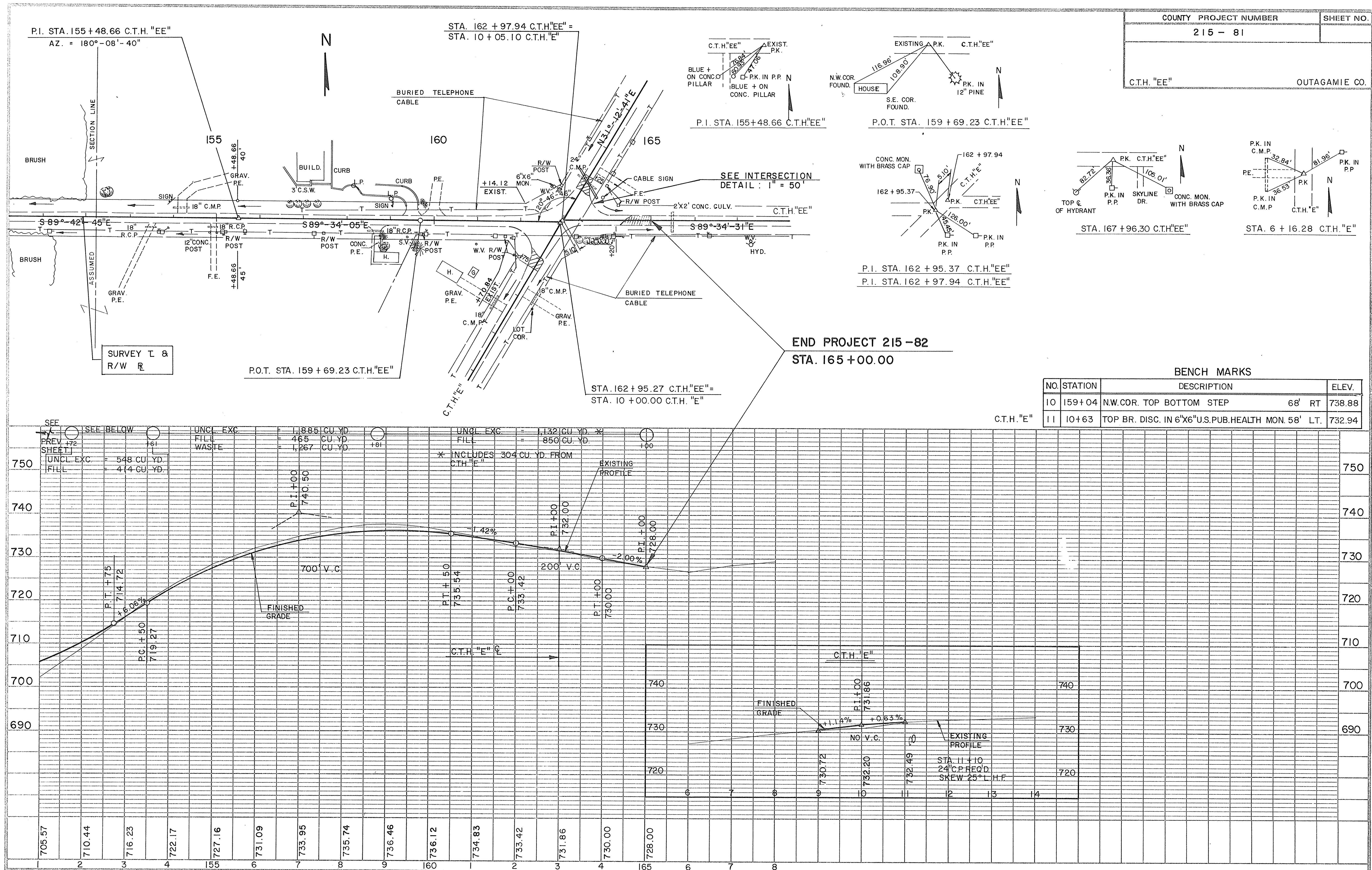


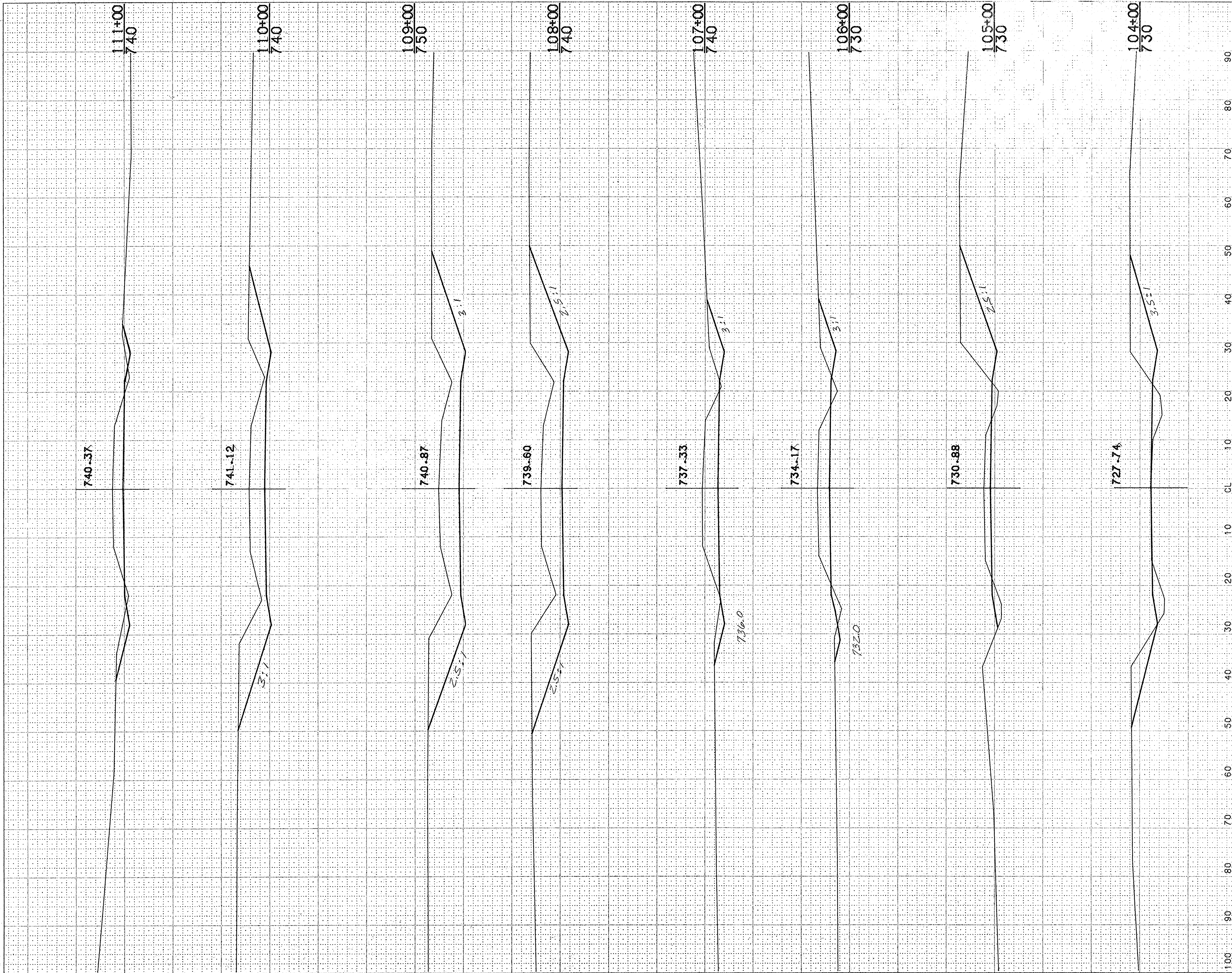


BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
6	125+37	N.W. COR. TOP BTM. STEP	80' RT. 713.74
7	134+05	60d SPK. IN 28" COTTONWOOD	45' LT. 720.51
8	11+50	YELLOW PT. MK. N.E. CURB ON BRIDGE	15' RT 697.20
9	149+95	YELLOW SQUARE TOP CONC. BRIDGE RAIL. 15' RT	698.45







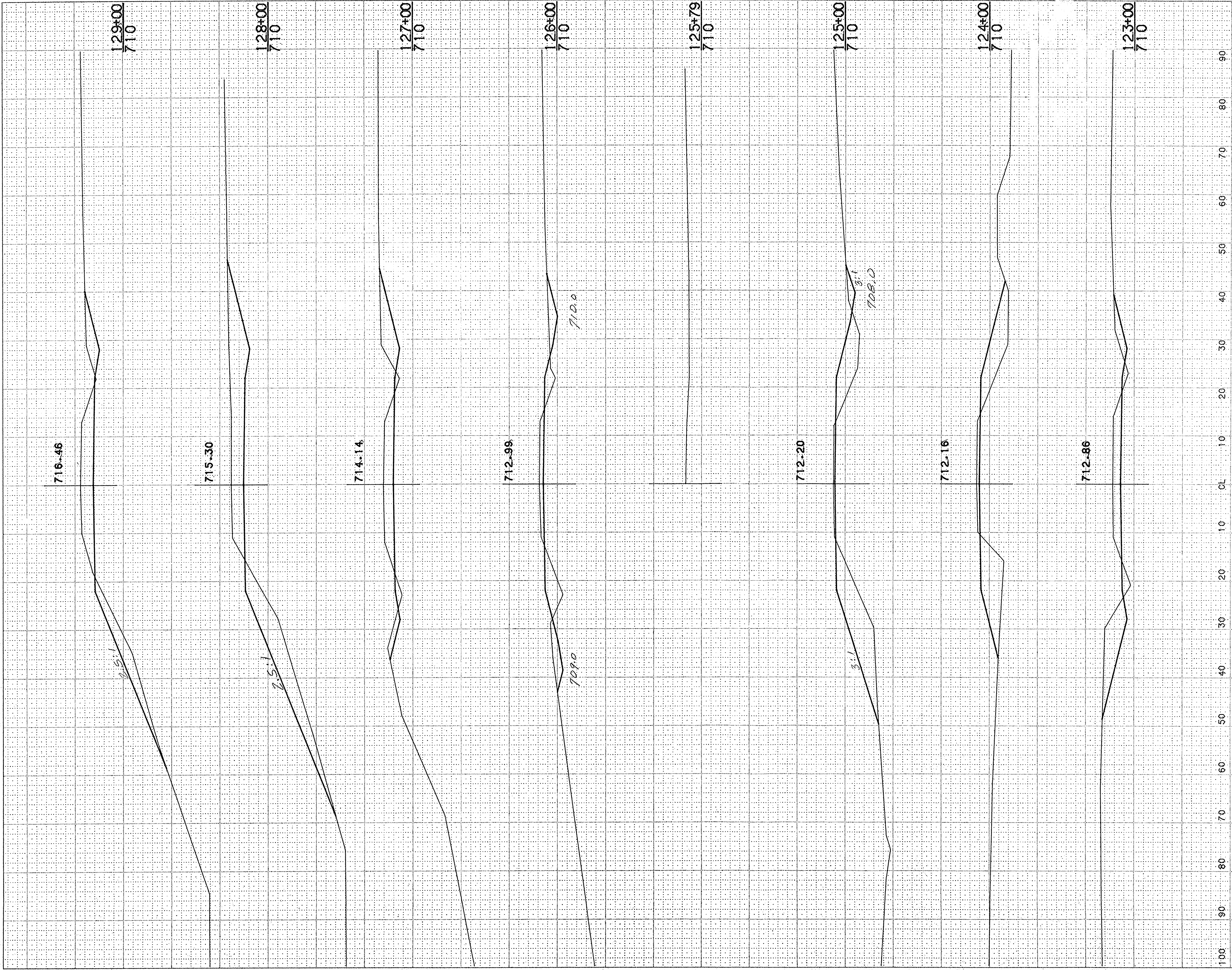
PROJECT NUMBER		SHEET NUMBER	
215 - 81			
STATION	DISTANCE	YARDAGE	
		EXCAVATION	
		UNCL	FILL
103			
104			
105		466	90
106		455	49
107		472	21
108		993	1
109		1383	
110		1140	
111		639	8
SHEET TOTAL		5548	169



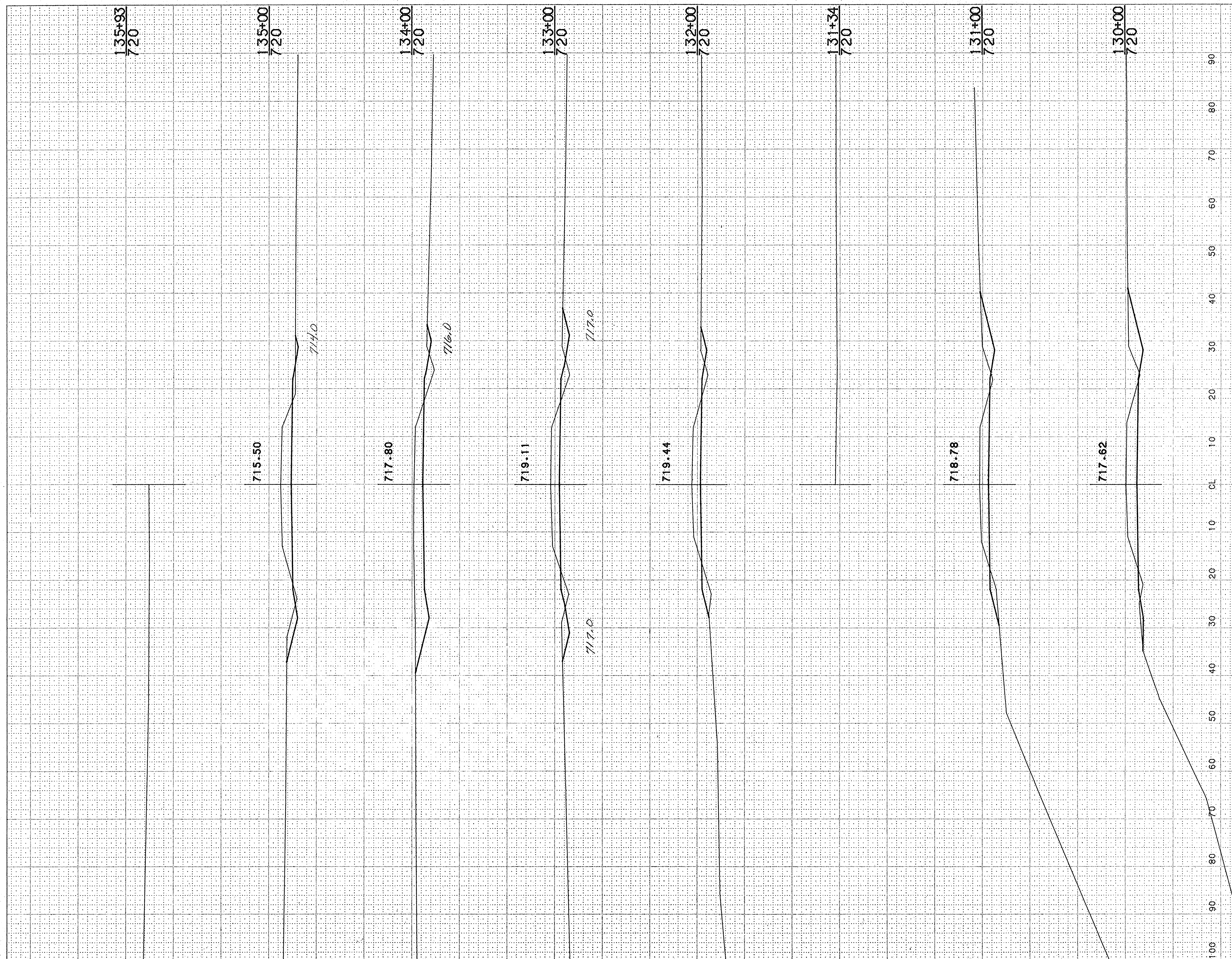
PROJECT NUMBER		SHEET NUMBER			
215 - 81					
STATION	DISTANCE	YARDAGE			
		EXCAVATION			FILL
		UNC			
111					
	297				64
112					
	275				64
113					
	346				14
114					
	540				6
115					
	739				—
116					
	673				2
117					
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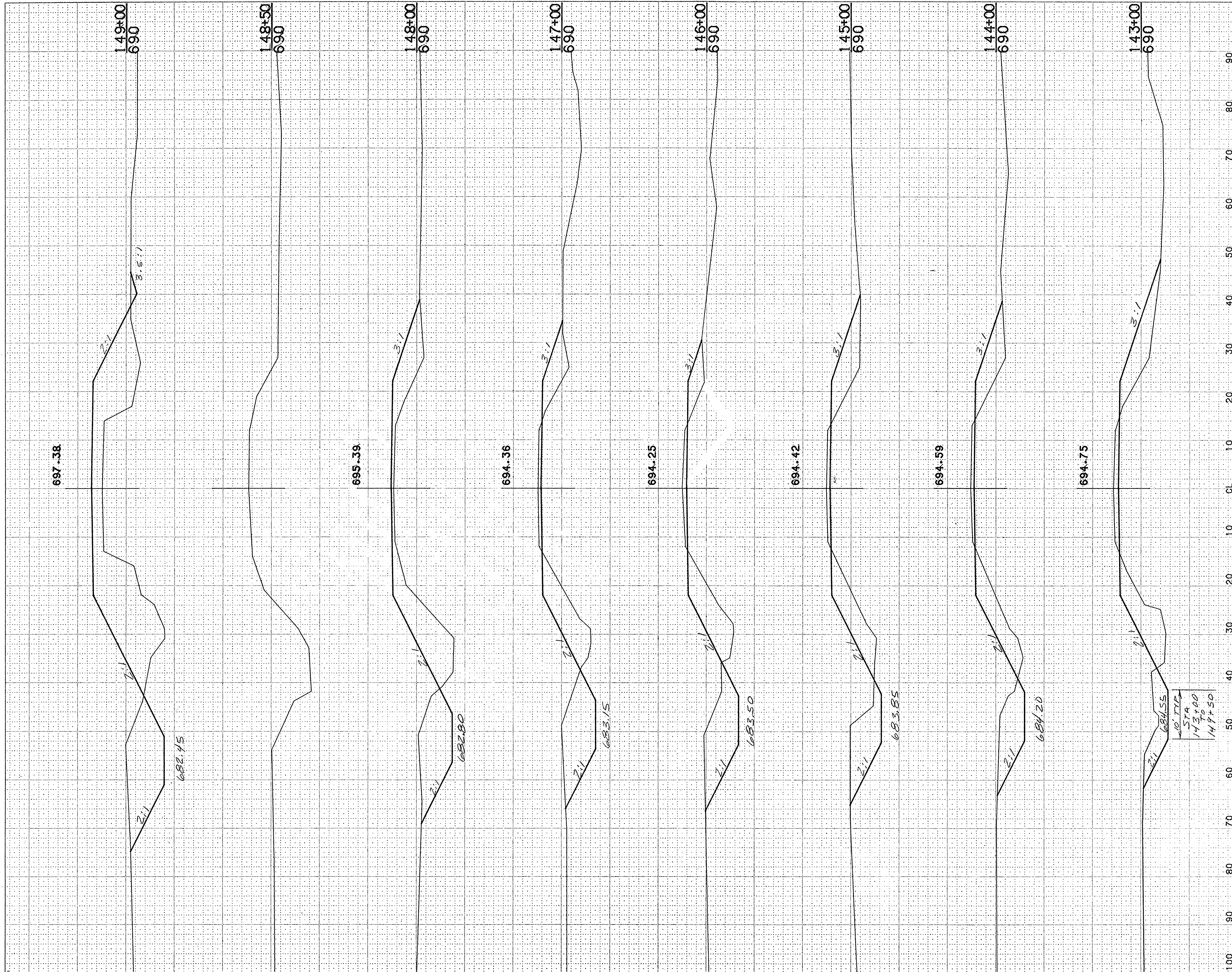


		PROJECT NUMBER				SHEET NUMBER	
		215-81					
STATION	DISTANCE	YARDAGE					
		EXCAVATION				FILL	
		UNCL					
117							
		459					6
118							
		269					83
119							
		113					340
120							
		221					269
121							
		667					8
122							

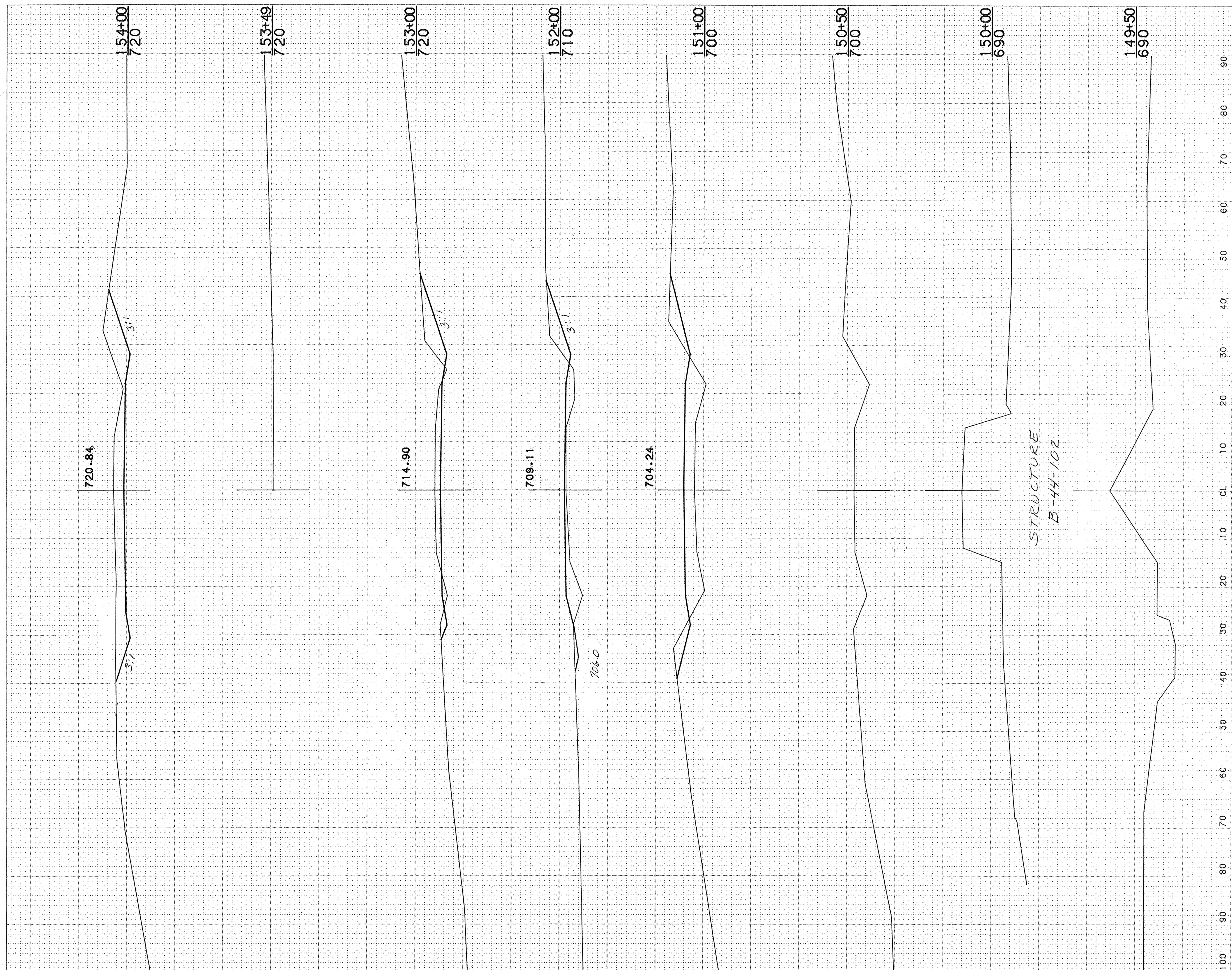


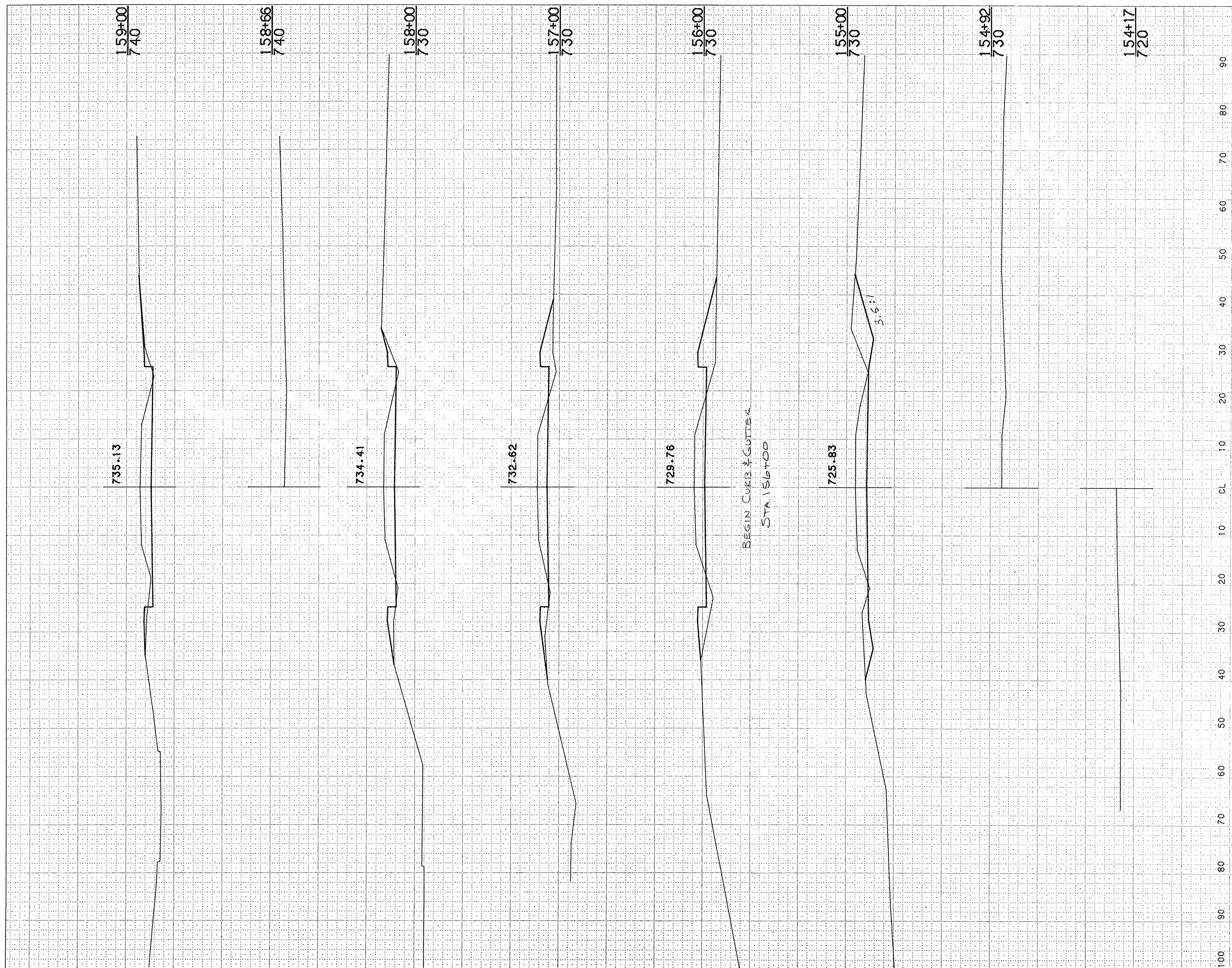
PROJECT NUMBER:					SHEET NUMBER
215 - 81					
STATION	DISTANCE	YARDAGE			
		EXCAVATION			FILL
		UNCL			
122					
		702			19
123					
		248			266
124					
		55			553
125					
		133			375
126					
		314			82
127					
		506			206
128					
		494			298
129					

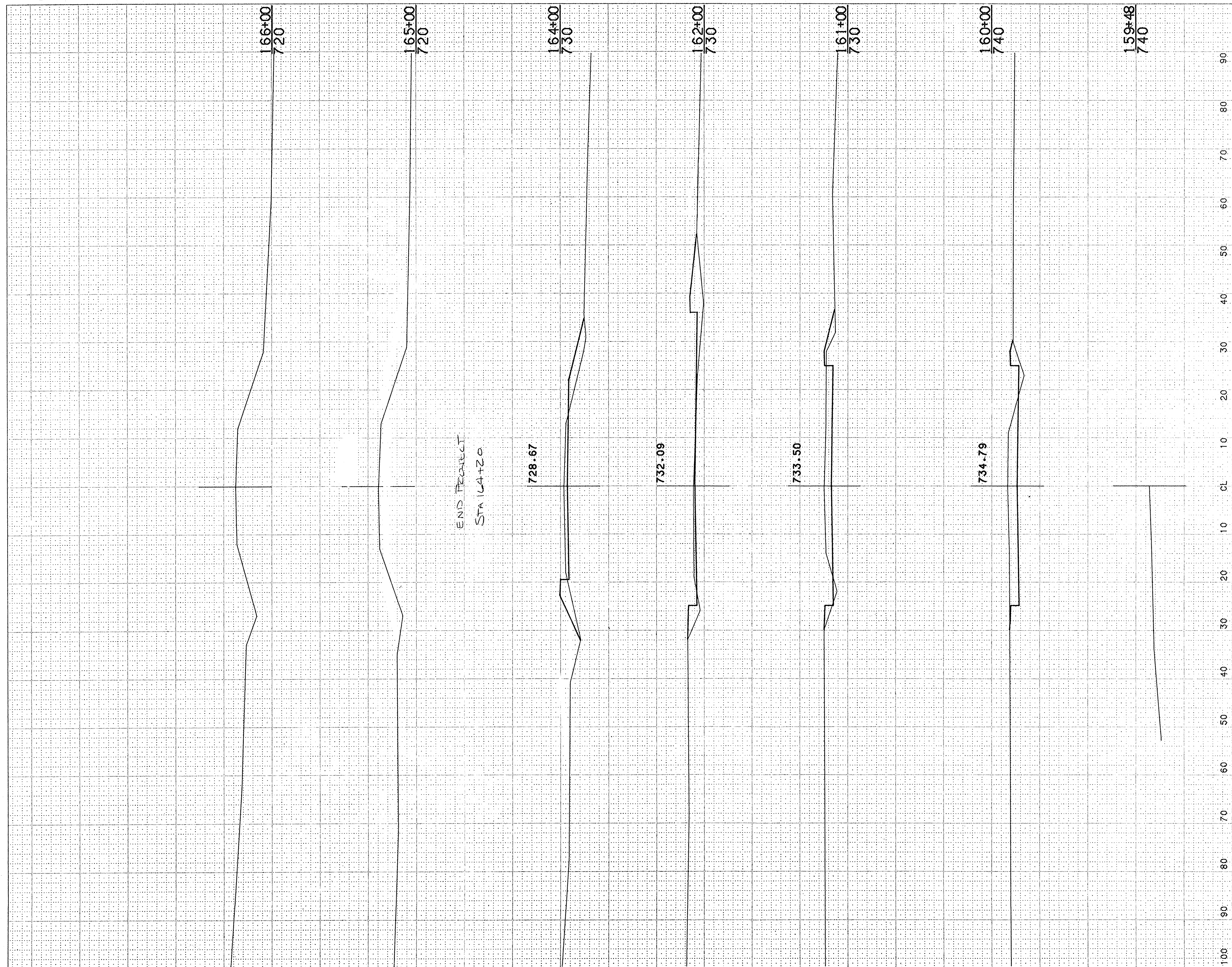




PROJECT NUMBER		SHEET NUMBER			
215-81					
STATION	DISTANCE	YARDAGE			
		EXCAVATION			FILL
		UNCL			
142					
143	268				396
144	336				547
145	374				527
146	437				675
147	504				650
148	492				653
149	534				1178
					</



[illegible]

[illegible]

STATE PROJECT NUMBER

SHEET
NUMBER

SHEET TOTAL	148
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LAMBIE RD.

STATE PROJECT NUMBER

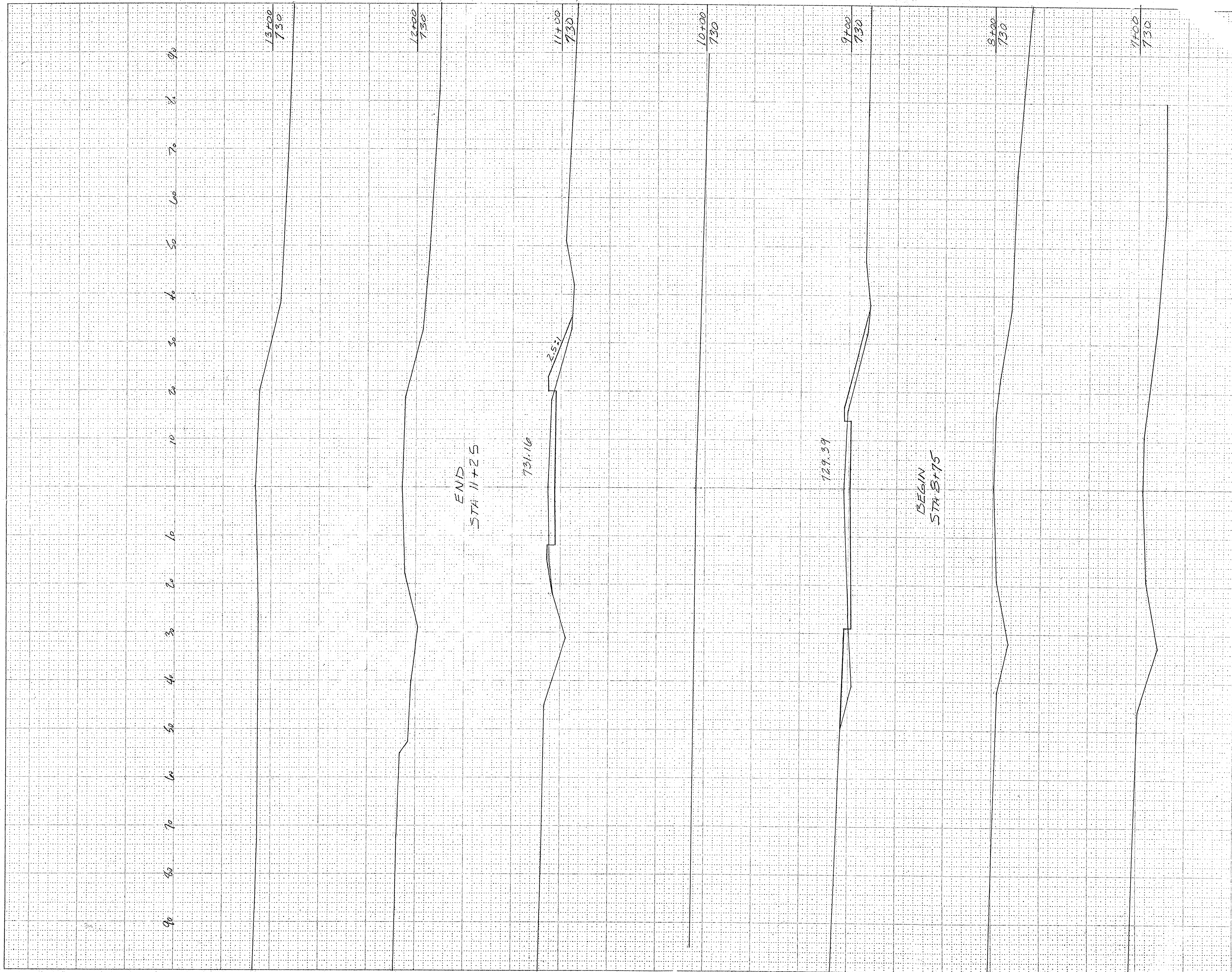
SHEET
NUMBER

215-81

[illegible]

SHEET TOTAL

65



SHEET TOTAL

STATION		DISTANCE
0	10	
0	10	100
10	20	200
20	30	300
30	40	400
40	50	500
50	60	600
60	70	700
70	80	800
80	90	900
90	100	1000