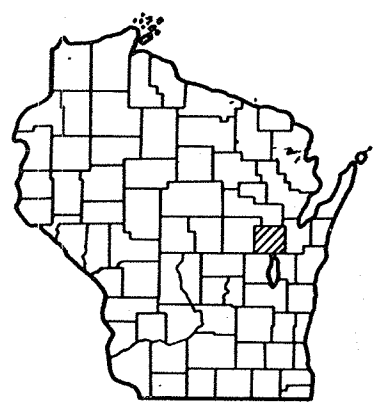


Index of Sheets

Sheet No.	Title
Sheet No. 1	Typical Sections and Details
Sheet No. 2-2.1	Estimate of Quantities
Sheet No. 3 & 3.1	Miscellaneous Quantities
Sheet No. 3A	Right of Way Plat
Sheet No. 4-4.8	Plan and Profile
Sheet No. 5-5.5	Standard Detail Drawings
Sheet No. 6-6.8	Standard Sign Plates
Sheet No. 7	Structure Plans
Sheet No. 8	Computer Earthwork Data
Sheet No. 9-9.47	Cross Sections

TOTAL SHEETS = 78



Design Designation

A.D.T. 1985	=	AT C.T.H. "X"
A.D.T. 2005	=	1180
D.H.V.	=	2110
D.	=	320
T.	=	60/40
V.	=	8%
	=	50 M.P.H.

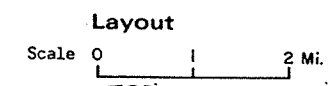
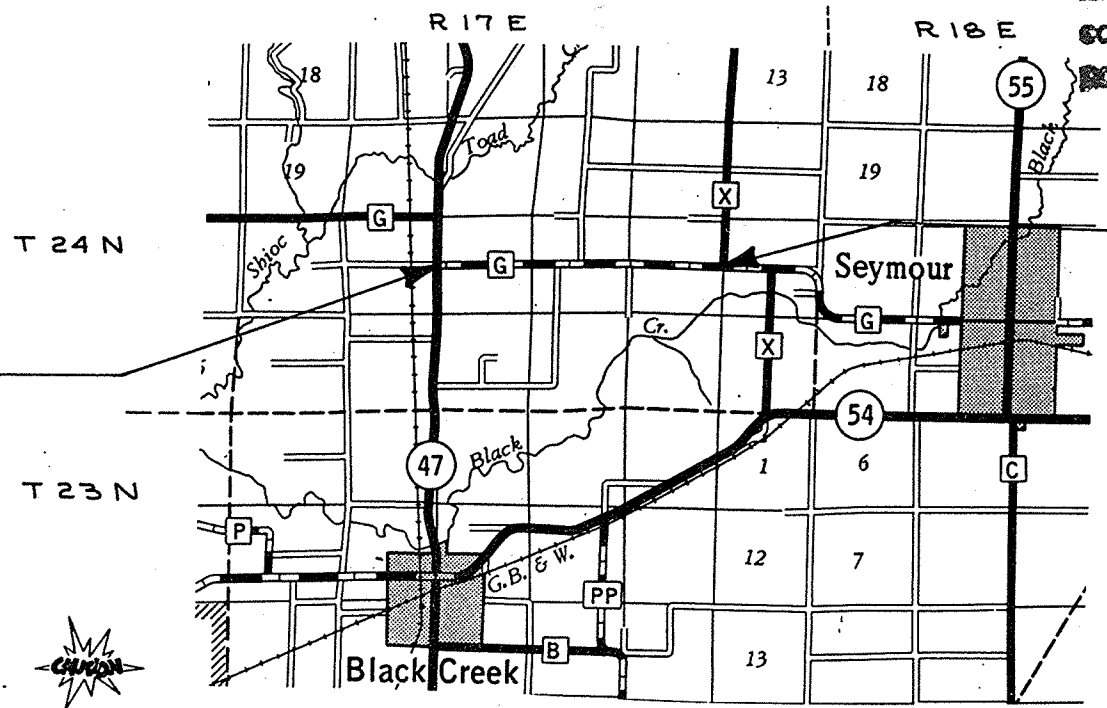
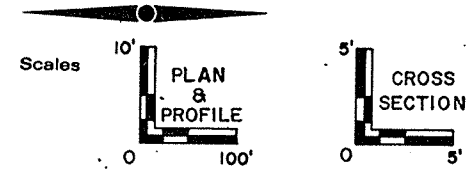
Conventional Signs

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	-----
DITCH GRADE RIGHT	-----
DITCH GRADE LEFT	-----

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	-----

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
PLAN OF PROPOSED IMPROVEMENT
S.T.H. 47 - SEYMOUR
WEST SECTION
C.T.H. "G"
OUTAGAMIE COUNTY

STATE PROJECT
6007-1-72



Total Net Length of Centerline = 2.917 Mi. (RURAL)

* COORDINATES SCALED FROM U.S.G.S. TOPOGRAPHIC MAP NICHOLS 7.5 MIN. WISCONSIN, QUADRANGLE FOR IDENTIFICATION ONLY.

AS BUILT
AS BUILT PLAN
NO.

SUPERVISOR DONALD NERENHAUSEN
RESIDENT PATRICK LAUX
CONTRACTOR MURPHY CONST. CO.
COMPLETED 11-12-86

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
6007-1-71	RS 1360(2)	1
6007-1-72	RS 1360(2)	2

APPROVED FOR
OUTAGAMIE COUNTY
BY
4-15-85
(Date) [Signature]
(Signature of Official)

ORIGINAL
PLANS PREPARED BY
Foth & Van Dyke
Engineering/Architectural Division
© 1984 FOTH & VAN DYKE and Assoc., Inc.
2737 S. Ridge Road
P. O. Box 19012
Green Bay, WI 54307-9012
414/497-2500



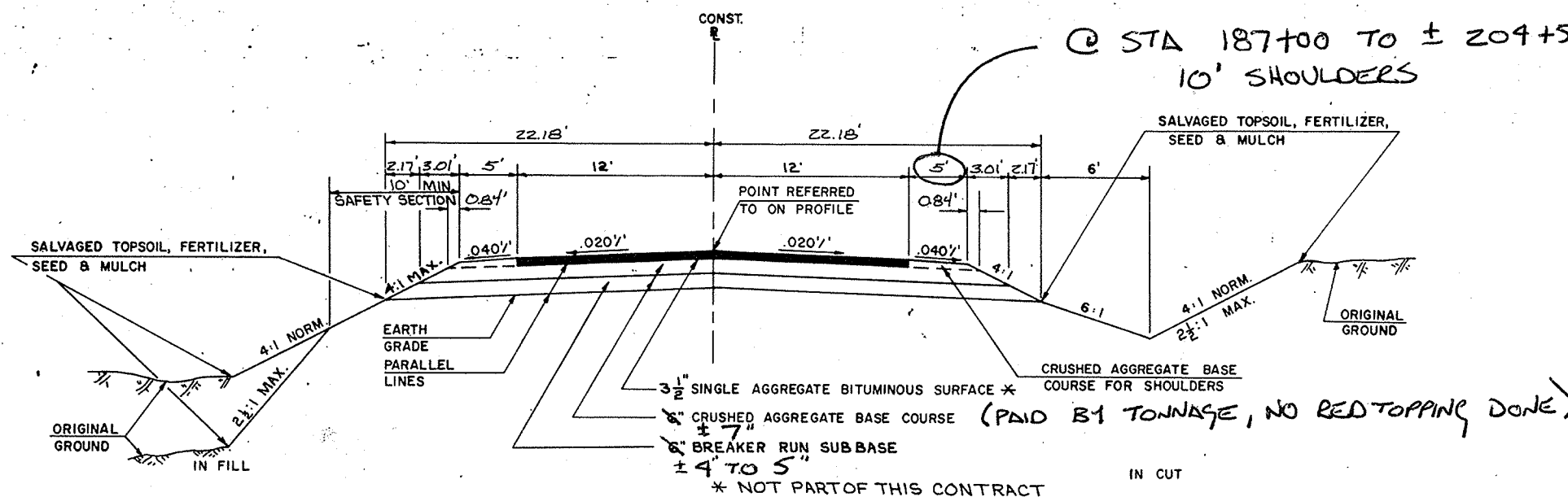
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
Surveyor F.B.V.D. District Checker
Designer F.B.V.D. C.O. Checker NRA
District Supervisor T.B.B. C.O. Coordinator

Approved:
Date 10/21/85 [Signature]
District Transportation Director
Approved:
Date 11/1/85 [Signature]
Chief Design Engineer
Approved:
Date 11/1/85 [Signature]
Director of Development

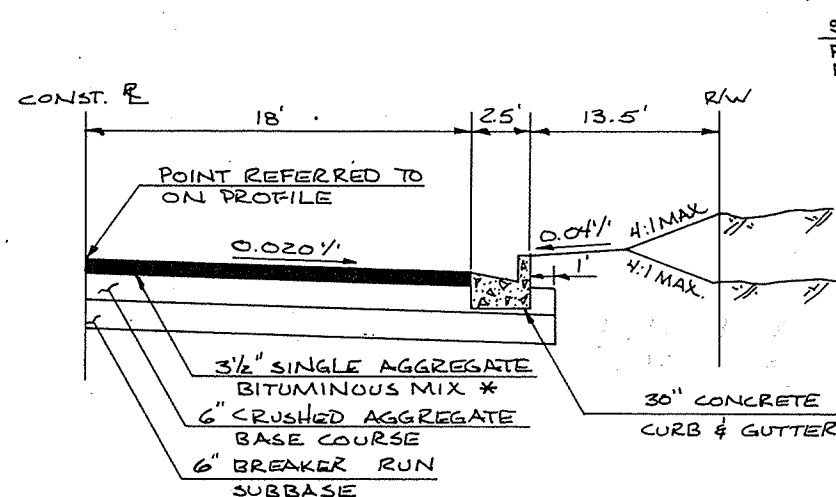
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
REGION 5 WISCONSIN DIVISION
Approved:
Date _____
Division Administrator

G-14

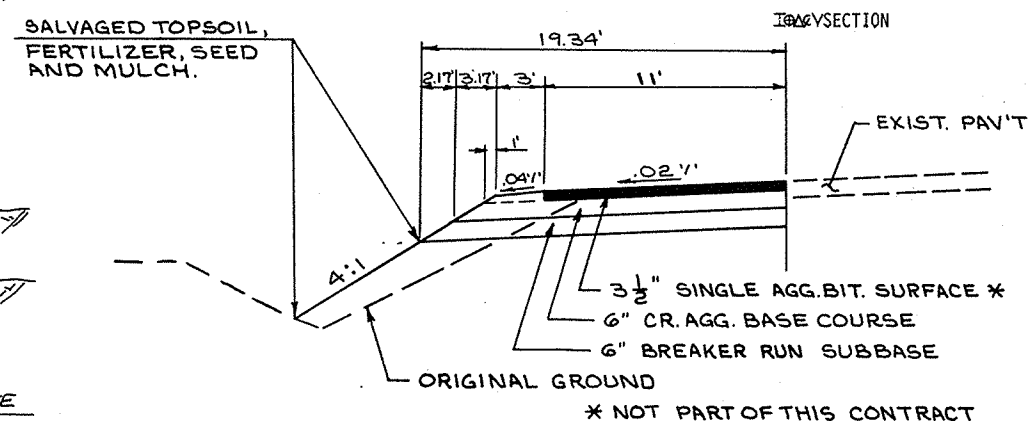
STATE PROJECT NUMBER	SHEET NO.
6007-1-71,72	2
TYPICAL SECTIONS	
C.T.H. "G"	OUTAGAMIE CO.



TYPICAL FINISHED SECTION
C.T.H. "G" WEST



TYPICAL HALF SECTION WITH CURB & GUTTER
(SEE MISC. QUANTITY SHEET FOR C & G LOCATIONS)



TYPICAL SECTION - PASSING LANE
S.T.H. 47

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.

PRIVATE UTILITY COMPANIES SHALL ADJUST OR MOVE ALL FACILITIES WHICH INTERFERE WITH NEW CONSTRUCTION.

INLET AND DISCHARGE ELEVATIONS SHOWN ON THE PLAN SHEETS ARE APPROXIMATE AND SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. EXACT LOCATION OF THE MAINLINE, SIDE ROAD, PRIVATE AND FIELD ENTRANCE CULVERT PIPES SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

WHEN THE QUANTITY OF THE ITEM OF BASE COURSE OR SURFACE COURSE IS MEASURED BY THE TON, THE DEPTH OF THICKNESS AS SHOWN ON THE PLAN IS APPROXIMATE. THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

DISTURBED AREAS WITHIN THE RIGHT OF WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, ARE TO BE TOPSOILED, FERTILIZED, SEEDED AND MULCHED AS DIRECTED BY THE ENGINEER.

* CONCRETE FLUMES WILL BE CONSTRUCTED BY OUTAGAMIE COUNTY IN CONJUNCTION WITH THE BITUMINOUS PAVING OPERATION.

FILL AS SHOWN ON THE PLAN SHEETS PERTAINS TO EMBANKMENT CONSTRUCTED FROM UNCLASSIFIED EXCAVATION. THE SHRINKAGE ALLOWANCE USED TO COMPUTE THE VOLUME OF MATERIAL NECESSARY TO COMPLETE THE FILL IS 40%.

CURB AND GUTTER RADII ARE SHOWN TO THE FRONT FACE OF CURB. CURB HEIGHTS AT ENDS OF CURB AND GUTTER SHALL BE TAPERED FROM 2 TO 6 INCHES IN 6 FEET. INTERSECTION CURB AND GUTTER TRANSITIONS FROM 36" TO 30", WILL BE FROM RADII TO 10' PAST RADII.

ALL ELEVATIONS ON THIS PROJECT ARE REFERENCED TO THE NATIONAL GEODETIC VERTICLE DATUM OF 1929.

STANDARD DETAIL DRAWINGS

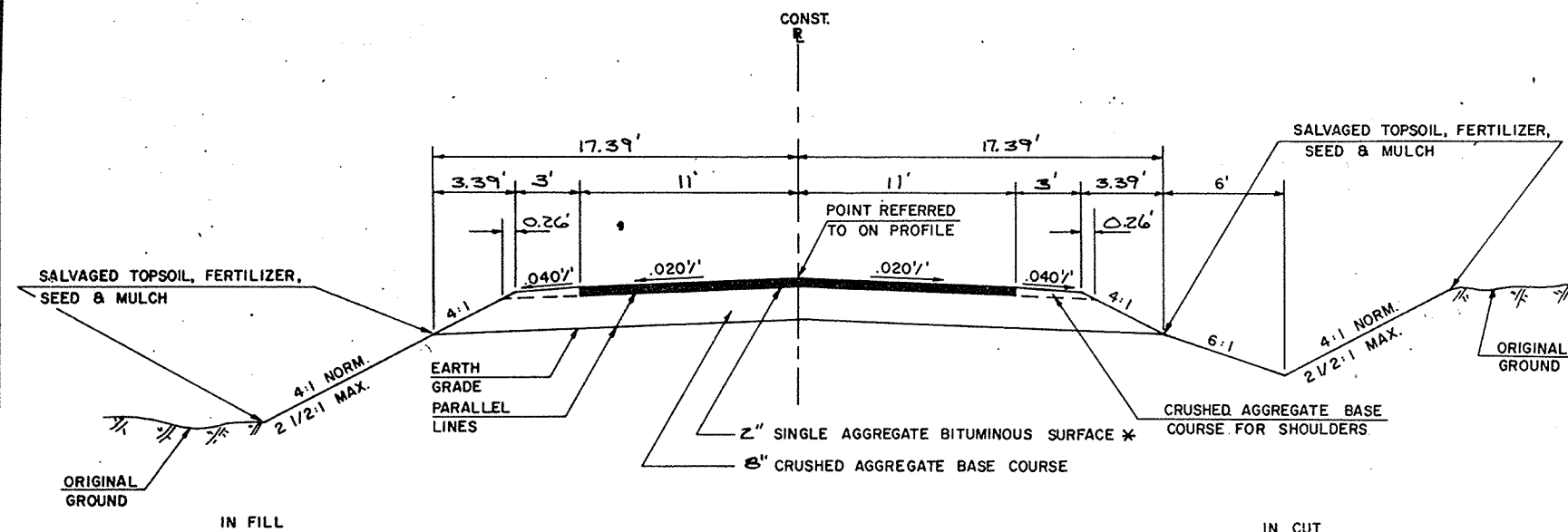
CONCRETE CURB, CONCRETE CURB / GUTTER	801-10
EROSION MAT	8E7-1
TYPICAL INSTALLATIONS OF EROSION BALES	8E8-1
APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCHES	8F1-9
LAYOUT DETAILS FOR AT-GRADE SIDE ROAD	
INTERSECTIONS	9A1-5
CATCH BASIN, MANHOLE, & INLET COVERS	8A5-3b
INLETS, TYPE 1, 2, and 3	8C1-4
CONSTRUCTION BARRICADES AND STANDARD SIGNS	15C1-7
TRAFFIC CONTROL FOR TEMPORARY ROAD CLOSURES IN RURAL AREAS	15C3-1

UTILITIES

WISCONSIN ELECTRIC POWER COMPANY
NORBERT SCHEMM
100 W. LAWRENCE ST.
APPLETON, WI. 54911
414-735-8445

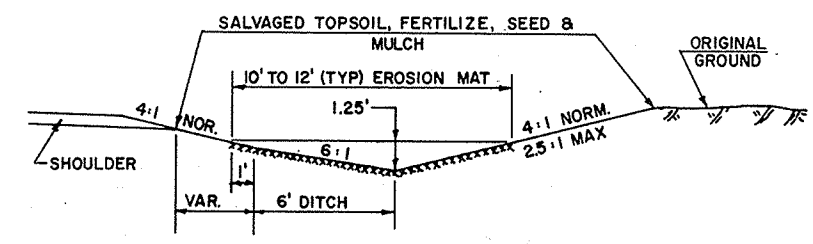
GENERAL TELEPHONE COMPANY OF WISCONSIN
R.J. DUCKETT
3203 LINCOLN AVE.
TWO RIVERS, WI 54241
414-793-4549

DIGGERS HOTLINE 1-800-242-8511 (TOLL FREE)

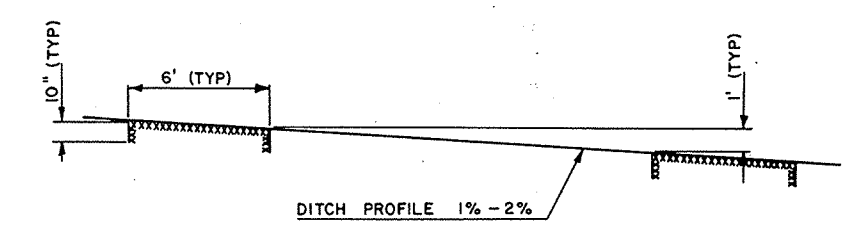


* NOT PART OF THIS CONTRACT

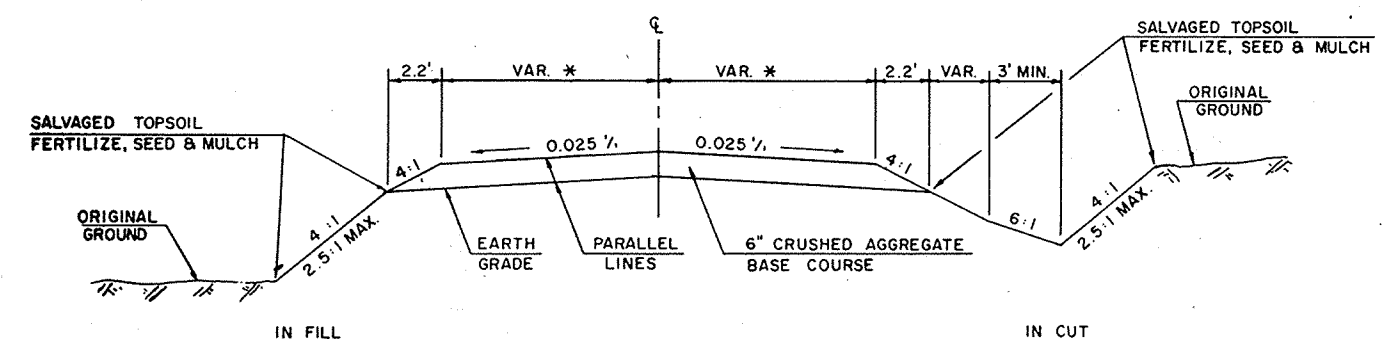
**TYPICAL FINISHED SECTION
SIDE ROADS**



TYPICAL INSTALLATION FOR EROSION MAT

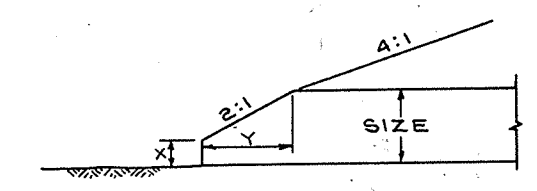


EROSION MAT DITCH CHECKS



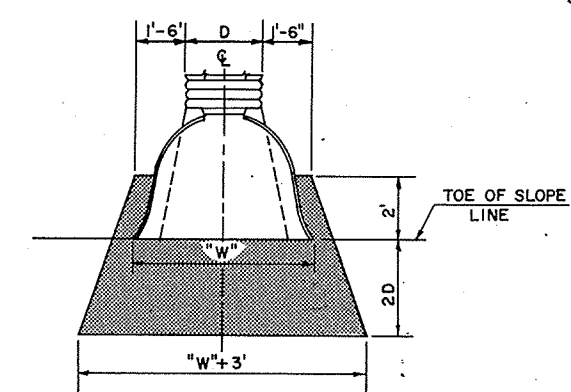
* 1/2 EXIST. WIDTH (8' MIN. FOR P.E., 10' MIN. FOR F.E.)

TYPICAL CROSS SECTION FOR PRIVATE & FIELD ENTRANCES



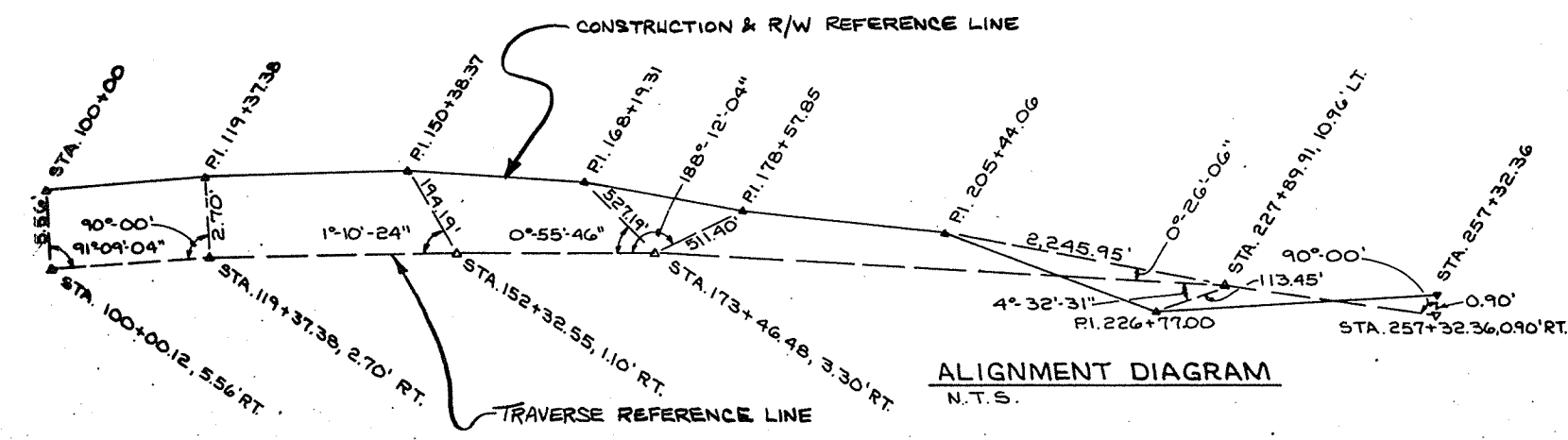
**STRUCTURAL PLATE PIPE ARCH
BEVELED END DETAIL**

STA.	SIZE	X	Y
204+42	95"X67"	2'-1"	7'-0"
214+48	117"X79"	2'-0"	9'-2"



PLACE SOD AS SHOWN OR AS DIRECTED BY THE ENGINEER IN THE FIELD.

**SOD AT PIPE END
CONCRETE OR METAL**



**ALIGNMENT DIAGRAM
N.T.S.**

ESTIMATE OF QUANTITIES

DATE 01/09/86

PROJECT ID: 6007-01-72
 OUTAGAMIE COUNTY
 STH 47 - SEYMOUR
 /WEST SECTION/
 CTH "G"

ITEM	ITEM DESCRIPTION	UNIT	TOTAL	6007-01-72 QUANTITY
61910	MOBILIZATION	L.S.	1.00	1.00
90001	PRODUCING AND HAULING CRUSHED AGGREGATE BASE COURSE	TON	28,147.00 32,830.0	28,147.00 32,830.0
90002	PRODUCING AND HAULING BREAKER RUN SUBBASE COURSE	TON	24,486.00 19,679.0	24,486.00 19,679.00

SHEET 3.1

"PRODUCING & HAULING CRUSHED AGGREGATE BASE COURSE" (6007-1-72) AND
"SHAPING & COMPACTING CRUSHED AGGREGATE BASE COURSE" (6007-1-71)

"PRODUCING & HAULING
BREAKER RUN SUBBASE COURSE" (6007-1-72) AND
"SHAPING & COMPACTING
BREAKER RUN SUBBASE COURSE" (6007-1-71)

PRIVATE & FIELD ENTRANCES

CLEARING
200 I.D. - UNDISTRIBUTED
GRUBBING
200 I.D. - UNDISTRIBUTED

LOCATION
ROADWAY
TONS
SHOULDER
TONS
MAINLINE
21,109
3559
S.T.H. 47 (PASSING LN)
460
60
BRUSEWITZ RD.
171
9
TOWNHALL RD.
304
16
GRUNWALD RD.
436
23

LOCATION
TONS
MAINLINE
24,064
S.T.H. 47 (PASSING LN)
422

STATION	DIA. IN.	LENGTH L.F.	C.P. CLASS	STEEL IN.	ALUM. IN.	APRON ENDWALLS	SOD S.Y.
110+00 RT.	18	34	III	0.064	0.075	2	4
147+77 RT.	18	42	III	0.064	0.075	2	4
147+90 LT.	18	34	III	0.064	0.075	2	4
185+07 RT.	18	42	III	0.064	0.075	2	4
190+66 LT.	18	42	III	0.064	0.075	2	4
191+90 LT.	18	34	III	0.064	0.075	2	4
227+98 RT.	18	34	III	0.064	0.075	2	4
228+45 LT.	18	34	III	0.064	0.075	2	4
252+10 RT.	18	34	III	0.064	0.075	2	4
253+50 LT.	18	34	III	0.064	0.075	2	4
29-PE'S	18	26 (EA)	III	0.064	0.075	58	116

STATE PROJECT NUMBER	SHEET NO.
6007-1-71,72	3A
MISCELLANEOUS QUANTITIES	
C.T.H. "G" OUTAGAMIE CO.	

NOTE: ALL ITEMS & QUANTITIES ON THIS SHEET ARE FOR
PROJECT 6007-1-71 UNLESS OTHERWISE NOTED.

YARDAGE SUMMARY

STATION	UNCL. EXCAV.	FILL	STATION	UNCL. EXCAV.	FILL	STATION	UNCL. EXCAV.	FILL
100+00	84	12	155+00	260	76	207+00	0	688
100+41	215	37	156+00	247	88	208+00	107	368
101+63	51	12	157+00	93	111	209+00	330	182
102+00	105	27	158+00	91	109	210+00	445	62
103+00	78	33	159+00	76	109	211+00	344	28
104+00	41	53	160+00	75	122	212+00	285	40
105+00	16	93	161+00	153	118	213+00	200	173
106+00	9	170	162+00	259	97	214+00	36	658
107+00	0	338	163+00	230	152	215+00	0	673
108+00	0	419	164+00	204	116	216+00	0	312
109+00	45	323	165+00	280	18	217+00	12	212
110+00	86	287	166+00	54	3	218+00	98	80
111+00	75	373	166+22	127	14	219+00	348	18
112+00	89	369	166+70	102	15	220+00	468	0
113+00	95	332	167+00	212	104	221+00	453	0
114+00	142	304	168+00	69	152	222+00	486	4
115+00	137	216	169+00	142	130	223+00	444	28
116+00	82	131	170+00	128	104	224+00	446	24
117+00	190	39	171+00	129	85	225+00	779	0
118+00	421	2	172+00	235	55	226+00	391	0
119+00	652	0	173+00	410	15	226+38	878	0
120+00	718	0	174+00	554	0	227+16	1325	0
121+00	753	0	175+00	845	0	228+00	1854	0
122+00	900	0	176+00	984	0	229+00	1783	0
123+00	908	0	177+00	568	2	230+00	1843	0
124+00	782	0	178+00	349	27	231+00	1783	0
125+00	715	0	179+00	410	183	232+00	1250	0
126+00	642	0	180+00	211	454	233+00	752	0
127+00	450	37	181+00	0	827	234+00	423	15
128+00	232	145	182+00	0	969	235+00	198	71
129+00	105	302	183+00	55	605	236+00	108	230
130+00	70	390	184+00	274	186	237+00	34	299
131+00	41	402	185+00	280	75	238+00	73	183
132+00	46	370	186+00	66	154	239+00	98	147
133+00	63	296	187+00	4	14	240+00	186	143
134+00	33	248	187+09	34	34	241+00	280	108
135+00	70	250	187+43	81	63	242+00	263	149
136+00	129	156	188+00	95	171	243+00	251	267
137+00	158	39	189+00	22	269	244+00	199	425
138+00	131	29	190+00	203	298	245+00	113	621
139+00	260	19	191+00	317	224	246+00	70	698
140+00	377	19	192+00	216	234	247+00	86	601
141+00	179	88	193+00	166	315	248+00	49	537
142+00	42	213	194+00	81	317	249+00	0	402
143+00	91	382	195+00	24	245	250+00	1	45
144+00	81	542	196+00	62	162	250+19	17	99
145+00	21	689	197+00	169	85	250+68	25	51
146+00	55	498	198+00	306	58	251+00	6	9
147+00	343	117	199+00	347	72	251+07	30	33
148+00	355	62	200+00	454	64	251+32	130	92
149+00	66	234	201+00	415	124	252+00	271	89
150+00	4	349	202+00	157	288	253+00	383	35
151+00	119	230	203+00	38	591	254+00		
152+00	293	103	204+00	0	785			
153+00	234	66	205+00	0	883			
154+00	136	68	206+00	0	949			
155+00			207+00					

SIDE ROAD	UN. EX.	FILL
S.T.H. 47 (PASSING LN)	238	311
BRUSEWITZ RD.	335	0
TOWNHALL RD.	798	0
GRUNWALD RD.	400	2161

CROSS DRAINS

LOCATION	DIA.	LENGTH	C.P. CLASS	STEEL IN.	ALUMINIZED STEEL-IN.	APRON ENDWALLS	SOD S.Y.
101+92	24"	64'	III	0.064	0.075	2	5
132+00	24"	80'	III	0.064	0.075	2	5
135+90	24"	60'	III	0.064	0.075	2	5
146+05	24"	78'	III	0.064	0.075	2	5
154+40	24"	70'	III	0.064	0.075	2	5
164+35 TO 165+69	24"	134'	III	0.064	0.075	1	3
168+20	24"	60'	III	0.064	0.075	2	5
178+00	24"	52'	III	0.064	0.075	2	5
186+75 TO 188+90	24"	215'	III	0.064	0.075	2	5
224+25	24"	48'	III	0.064	0.075	2	5
237+10	30"	58'	III	0.079	0.075	2	6
248+45	30"	78'	III	0.079	0.075	2	6

EROSION MAT

STATION	LOCATION	DITCH CHECKS REQ'D.	DITCH LINING	QUANTITY S.Y.
100+00-103+00	LT.		X	400
102+00-103+00	RT.		X	133
109+00-111+00	RT.		X	267
111+00-118+00	LT.		X	933
114+00-118+00	RT.		X	533
127+00-129+00	LT.		X	267
127+00-130+00	RT.		X	400
129+00-133+00	LT.	6		48
130+00-132+00	RT.	2		16
136+00-140+00	LT.	4		32
146+00-147+00	RT.	2		16
151+00-152+00	RT.	1		8
155+00-158+00	RT.	3		24
155+00-159+00	LT.	6		48
158+00-165+00	RT.		X	933
159+00-162+00	LT.		X	400
166+00-171+00	LT.		X	667
169+00-174+00	RT.	8		64
178+00-181+00	RT.		X	400
179+00-181+00	LT.		X	267
184+00-186+00	LT.		X	267
184+00-197+00	RT.		X	1734
191+00-194+00	LT.		X	400
201+00-204+00	LT.	5		40
208+00-212+00	LT.	6		48
209+00-210+00	RT.		X	133
212+00-214+00	LT.		X	267
242+00-245+00	RT.		X	400
242+00-246+00	LT.		X	267
246+00-248+00	LT.	3		24
250+00-252+00	LT.	3		24

EXISTING CROSS DRAINS - EXTENSIONS

LOCATION	SIZE	LENGTH LT. RT.	TYPE	SOD S.Y.	THICKNESS INCH.
S.T.H. 47 8+40	42"	8'	R.C.P. III	6	
10+50	36"	6'	R.C.P. III	6	
C.T.H. "G" 204+42	95" X 67"	24' 30'	S.P.P.A.	23	0.109
214+48	117 X 79"	28' 28'	S.P.P.A.	28	0.109

CONCRETE CURB & GUTTER, 30", TYPE D

LOCATION	L.F.
100+58 - 101+70 RT.	112
166+09 - 168+25 RT.	216
186+95 - 188+80 LT.	185
216+95 - 220+06 RT.	305
218+20 - 219+75 LT.	155
226+30 - 228+40 RT.	210
248+40 - 250+15 LT.	175
250+00 - 251+40 RT.	140

CONCRETE CURB & GUTTER, 36", TYPE D

LOCATION	L.F.
99+88 - 100+28 LT.	63'
99+88 - 100+58 RT	104'
164+69 - 165+29 RT.	94'
165+59 - 166+09 RT.	73'

INLETS

LOCATION	TYPE	DEPTH F.L.	GUTTER COVER
165+70.35' RT.	2	5.8'	858.8 F

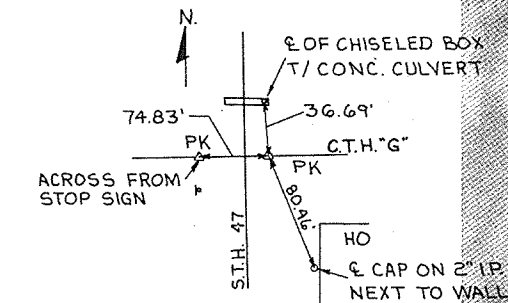
EROSION BALES

UNDISTRIBUTED 100 EACH

* SINGLE AGGREGATE BITUMINOUS SURFACE

LOCATION	TONS
MAINLINE	8,485
S.T.H. 47 (PASSING LN)	135
BRUSEWITZ RD.	35
TOWNHALL RD.	60
GRUNWALD RD.	84

* NOT PART OF THIS CONTRACT



STA. 100+00.12, 5.56' RT.

STD PASSING LANE REQ'D

TYPE 'C' INTERSECTION REQ'D

6'-CULVERT EXT. REQ'D

SALVAGE & REUSE EXISTING APRON ENDWALLS.

STA. 99+66.42 C.T.H. 'G' =

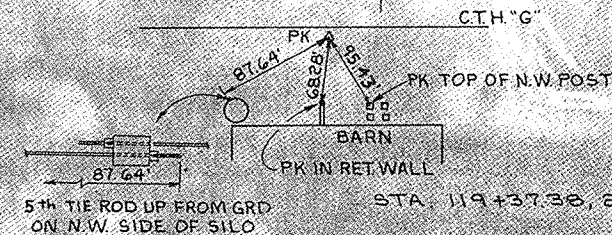
STA. 10+00 S.T.H. 47

CONCRETE CURB & GUTTER
30' TYPE D REQ'D

6'-CULVERT EXT. REQ'D
SALVAGE & REUSE EXISTING APRON ENDWALL

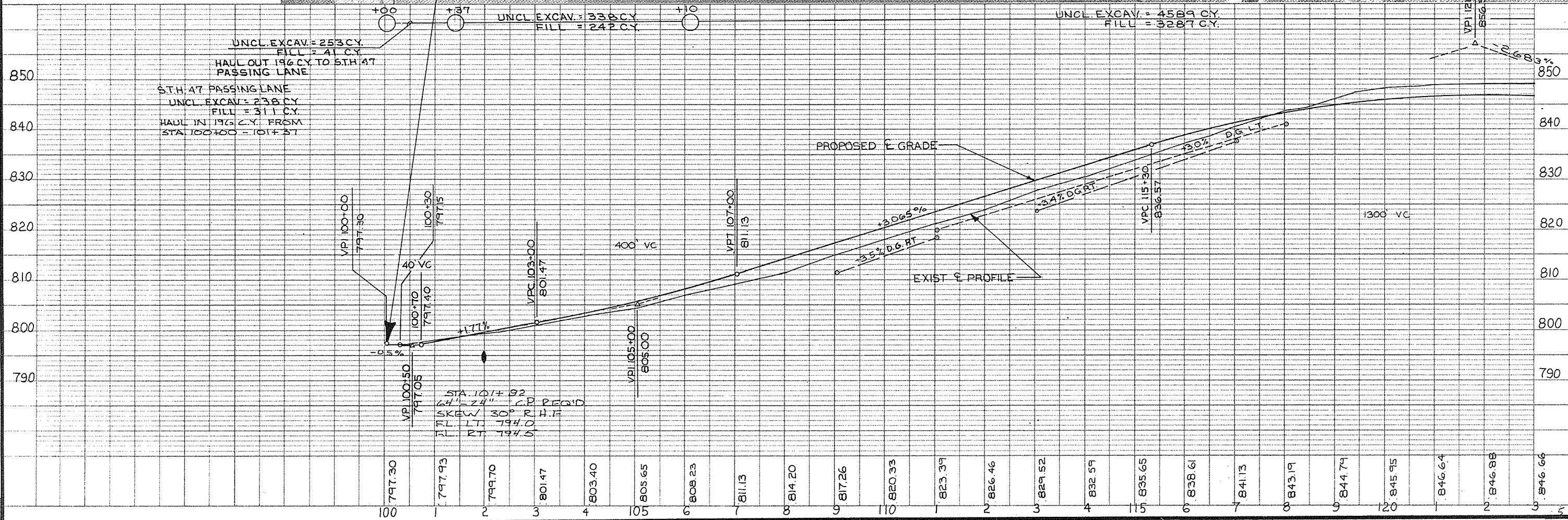
17	CHISELED TOP OF E. END OF CONC. CULVERT N.E. COR. OF S.T.H. 47 & C.T.H. 'G'	796.62
16	N.W. COR. OF CONC. TO SILO AT STA. 120+30 RT.	848.67

BEGIN PROJECT 6007-1-71,72
STA. 100+00.00

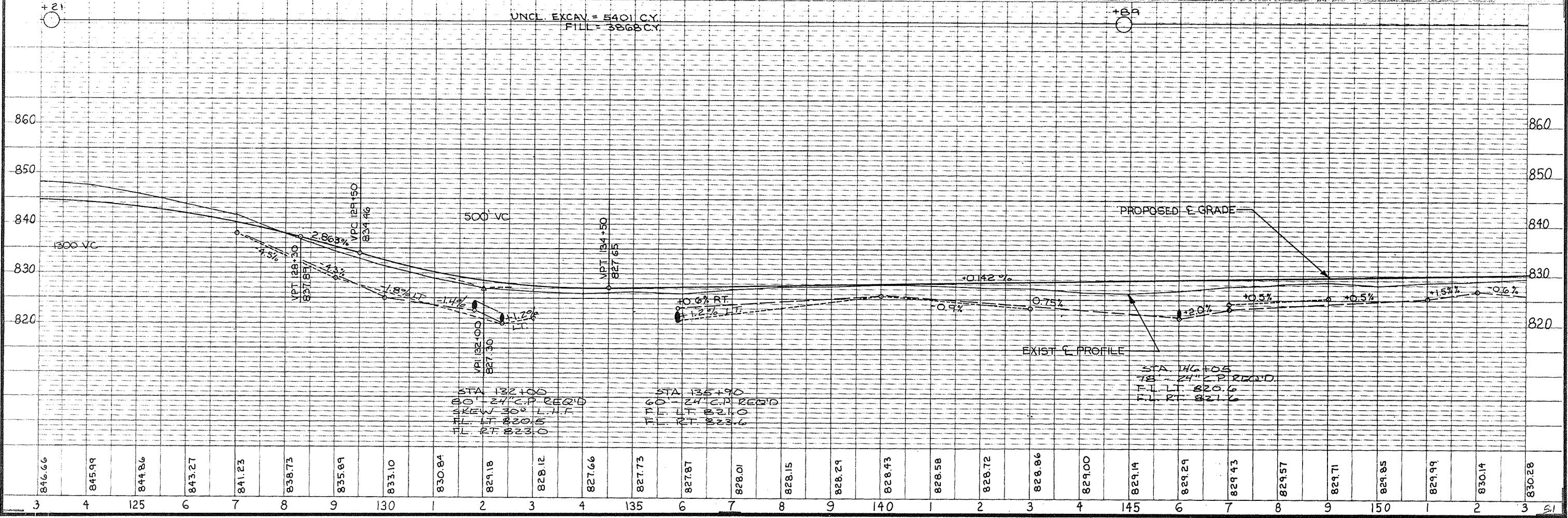
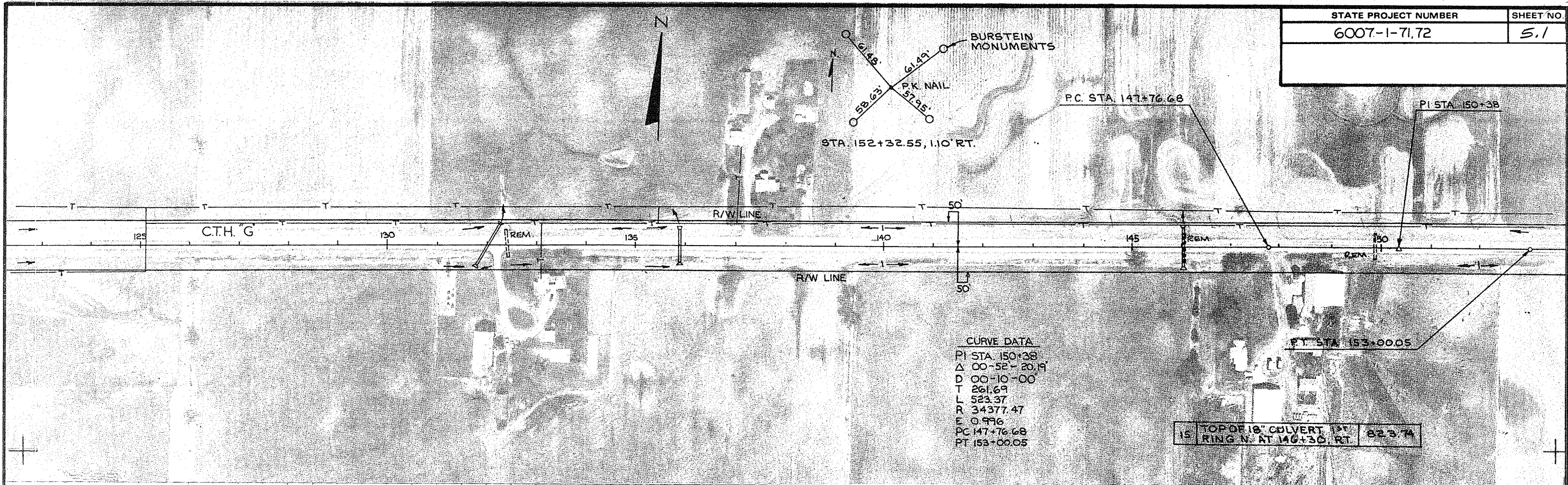


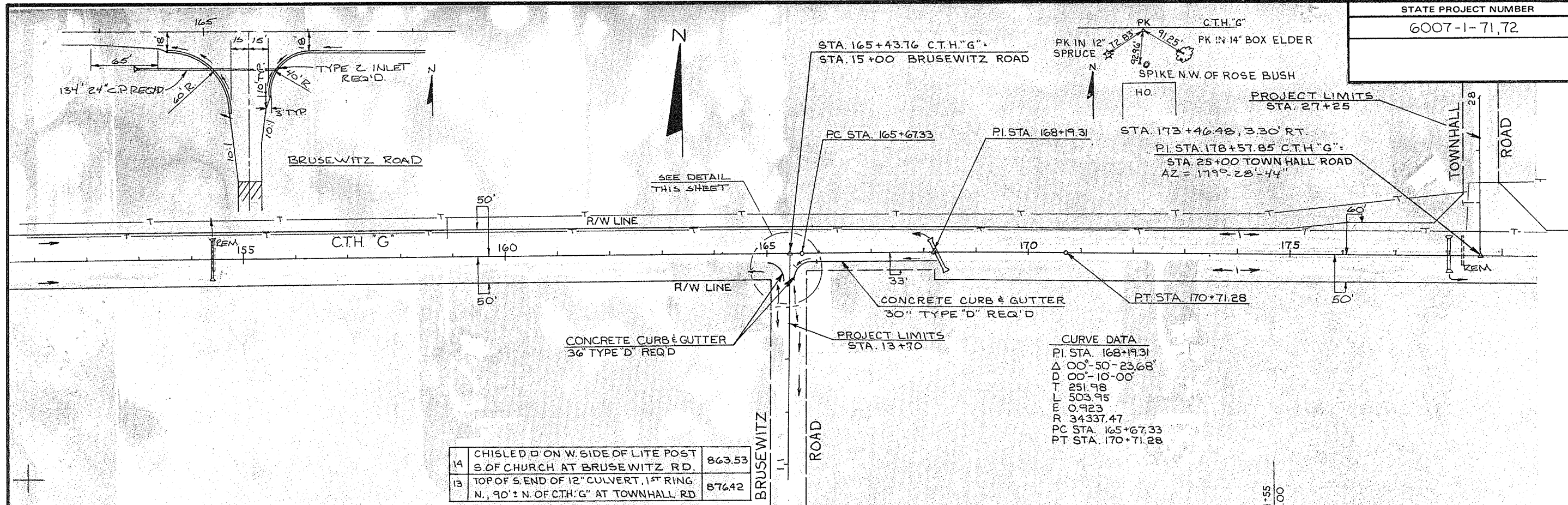
STA. 119+37.38, 2.70' RT.

P.I. STA. 119+37.38
AZ = 180°-11'-34"

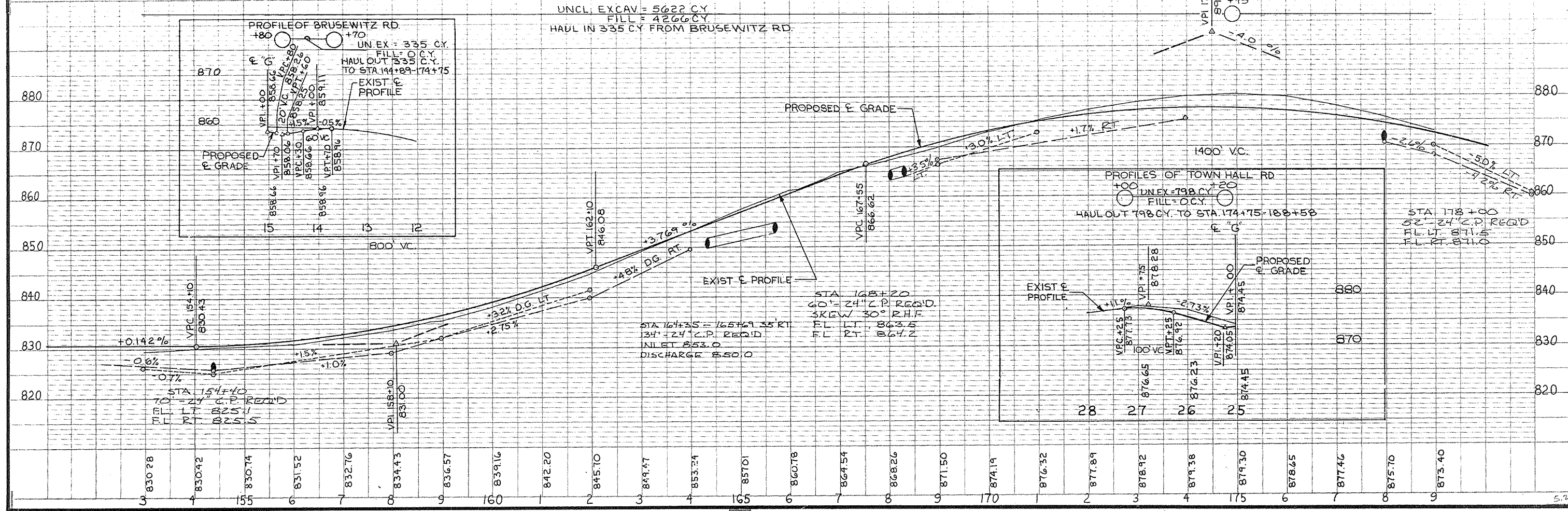


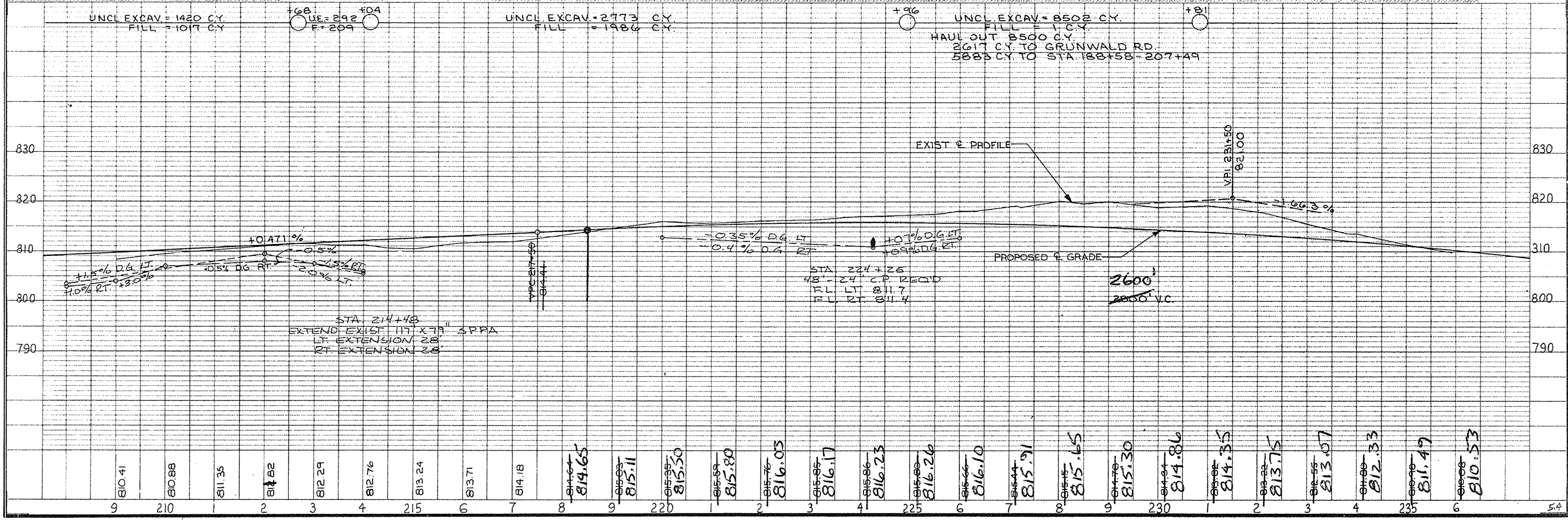
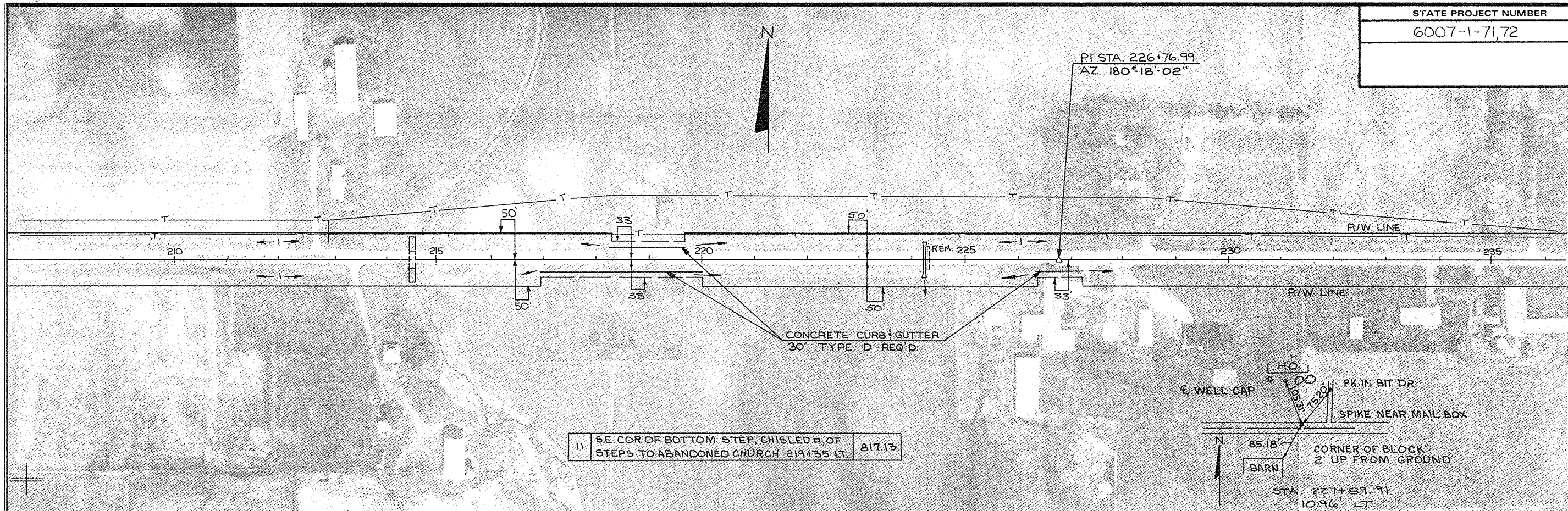
STATE PROJECT NUMBER	SHEET NO.
6007-1-71.72	5.1

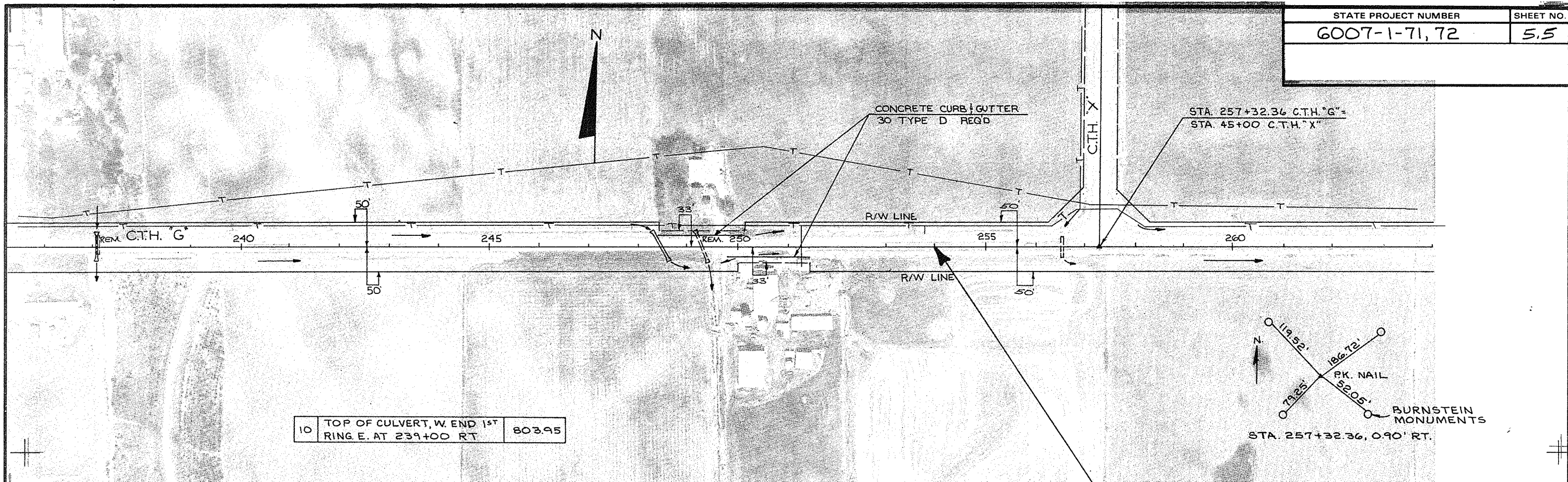




14	CHISLED □ ON W. SIDE OF LITE POST S. OF CHURCH AT BRUSEWITZ RD.	863.53
13	TOP OF S. END OF 12" CULVERT, 1 ST RING N., 90' ± N. OF CTH 'G' AT TOWNHALL RD	876.42







10	TOP OF CULVERT, W. END 1 ST RING E. AT 239+00 RT	803.95
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