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TOTAL SHEETS = 137



STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

FOND DU LAC TO EAST COUNTY LINE ROAD

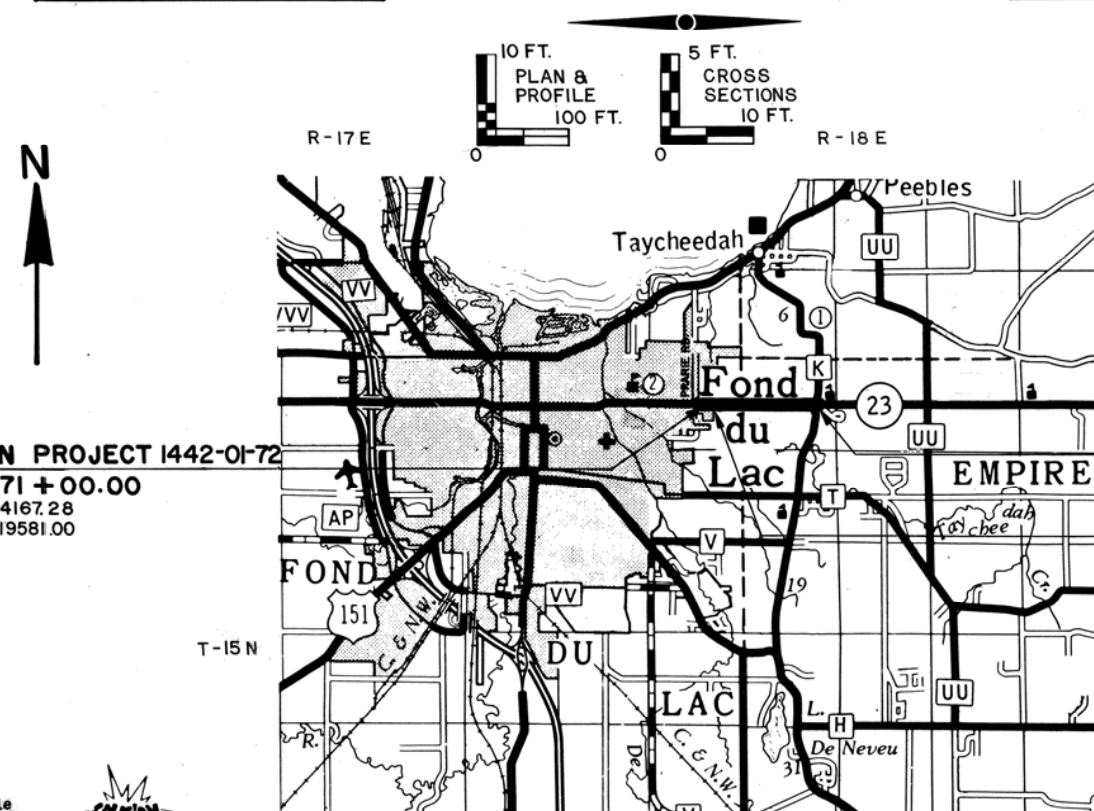
PRAIRIE AVENUE - C.T.H. "K"

TAYCHEEDAH CREEK BRIDGE & APPROACHES

S.T.H. 23
FOND DU LAC COUNTY

STATE PROJECT NUMBER
1442-01-72

STATE PROJECT NUMBER
1442-01-74



BEGIN PROJECT 1442-01-72
STA. 71 + 00.00
N - 654167.28
E - 2419581.00

END PROJECT 1442-01-72
STA. 139 + 50.00

PROJECT 1442-01-74
STRUCTURE B-20-75
STA. 78 + 53.50 TO 78 + 92.50
EXCEPTION TO NET & LENGTH
OF PROJ. 1442-01-72

Design Designation

A.D.T. (1987)	=	5990
A.D.T. (2007)	=	7570
D.H.V.	=	946
D.	=	60 - 40
T.	=	8.6 % A.D.T.
V.	=	45 M.P.H.

Conventional Signs

County Line	-----	Caution Symbol (Combustible fluids under pressure)	
Township or Range Line	-----	Railroads	
Section Line	-----	Fence	
Corporate or City Limits	-----	Culverts in Place	
Property line	-----	Culverts Required	
Lot Line	-----	Power Pole	
Existing Right of Way Line	-----	Telephone or Telegraph Pole	
New Right of Way Line	-----	Right of Way Markers	
Base or Survey Line	-----	Marsh	
Slope Intercept	-----	Wooded Area	
Existing Roadway or Private Entrance	-----	Grade Elevation	

Layout
Scale 0 0.5 1 Mi.

Total Net Length of Centerline
1442-01-72 = 1.290 mi. RURAL
1442-01-74 = 0.007
TOTAL 1.297

COORDINATES SCALED FROM U.S.G.S. TOPOGRAPHIC
MAP FOND DU LAC, WISCONSIN, QUADRANGLE FOR
IDENTIFICATION ONLY.

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1442-01-72	-----	---
1442-01-74	-----	---

ORIGINAL PLANS PREPARED BY
ALFRED BENESCH & CO.
KENOSHA, WISCONSIN



2/10/87 (DATE) *Louis Bowman Jr.* (SIGNATURE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Surveyor *D.W.* District Checker *R.J.B.*
Designer *BENESCH* C.O. Checker *J.F.*
District Supervisor *J.T.F.* C.O. Coordinator *J.F.*

Approved: *Harvey Shuford*
Date *3/9/87* District Transportation Director

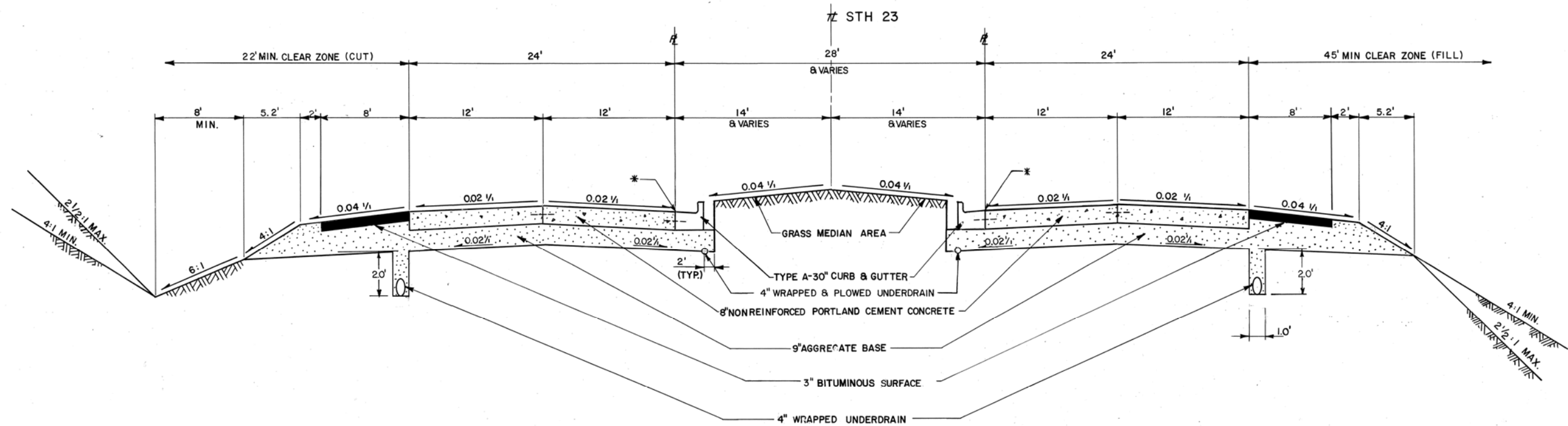
Approved: *James Smith*
Date *4/20/87* Chief Design Engineer

Approved: *E.J. Byrkit*
Date *4/28/87* Director of Development

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
REGION 5 WISCONSIN DIVISION

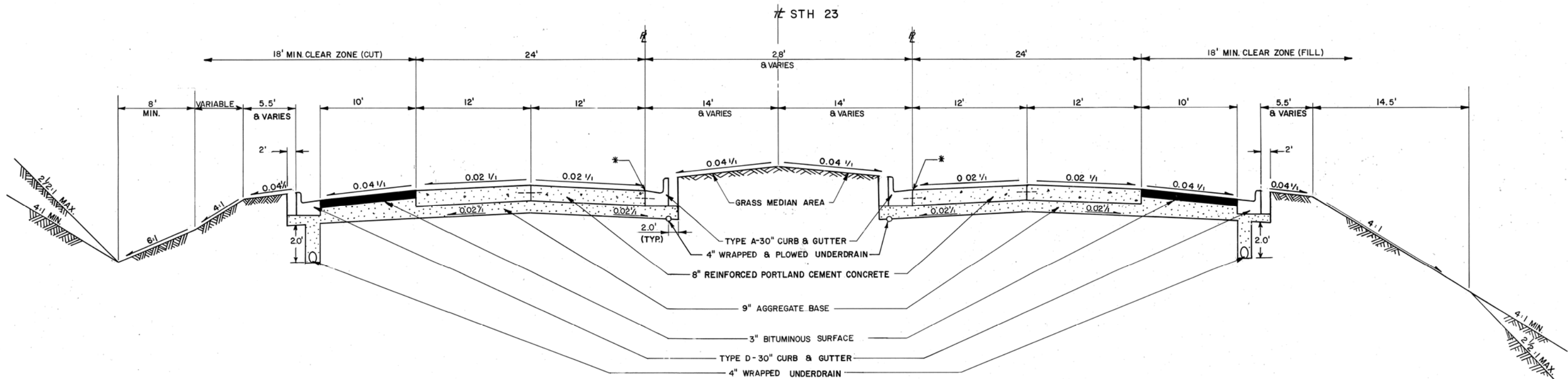
Approved: _____
Date _____ Division Administrator

STATE PROJECT NUMBER	SHEET NO.
1442 - 01-72	2.1
TYPICAL SECTIONS	

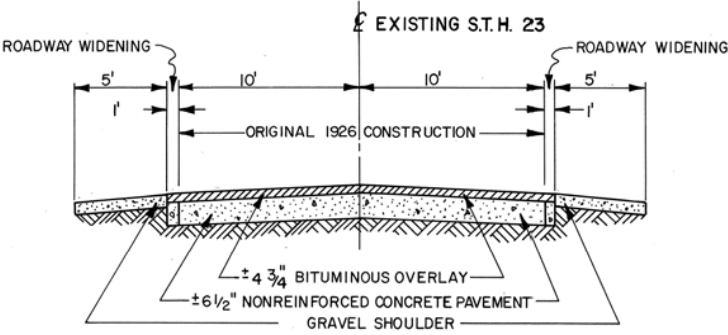


TYPICAL SECTION
STATION 71 + 00.00 TO STATION 135 + 00.00

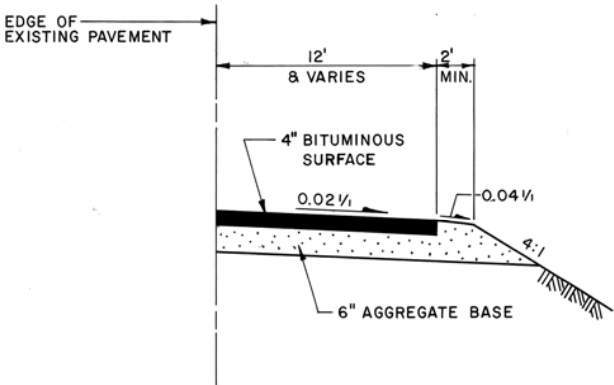
* ELEVATION REFERRED TO ON X-SECTIONS



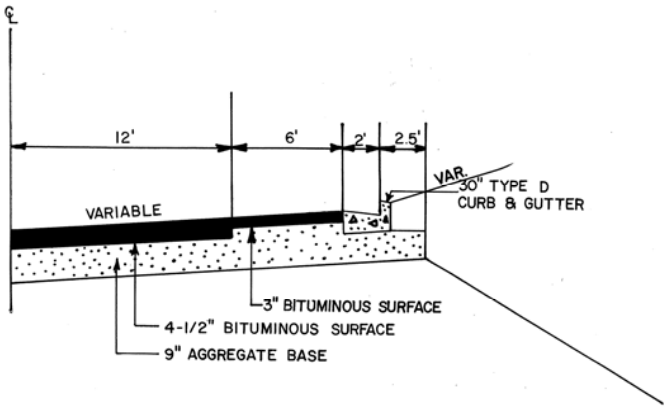
TYPICAL SECTION
STATION 135 + 00.00 TO STATION 139 + 50.00



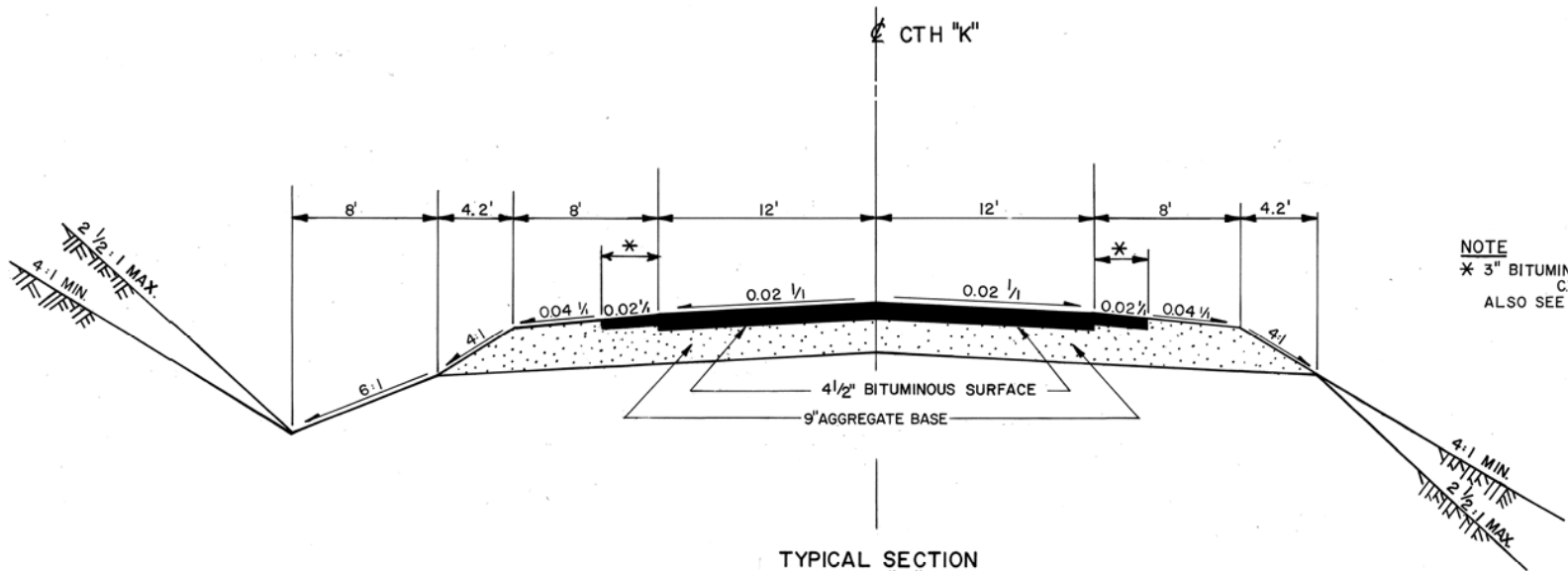
TYPICAL SECTION
EXISTING S.T.H.23



TEMPORARY PAVEMENT
TYPICAL SECTION
STATION 67+10.00
STATION 136+50.00



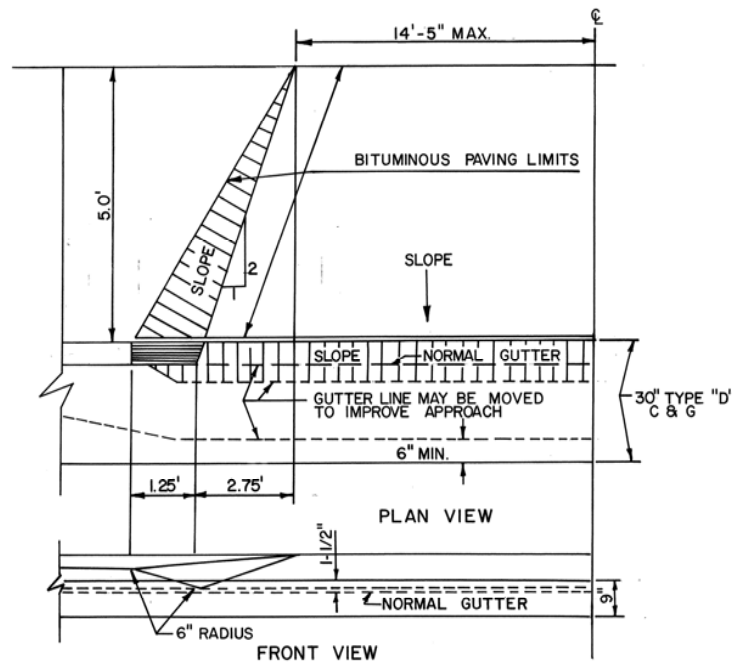
TYPICAL HALF SECTION
C.T.H. "K"
STATION 59+15 TO STATION 62+00 RT.



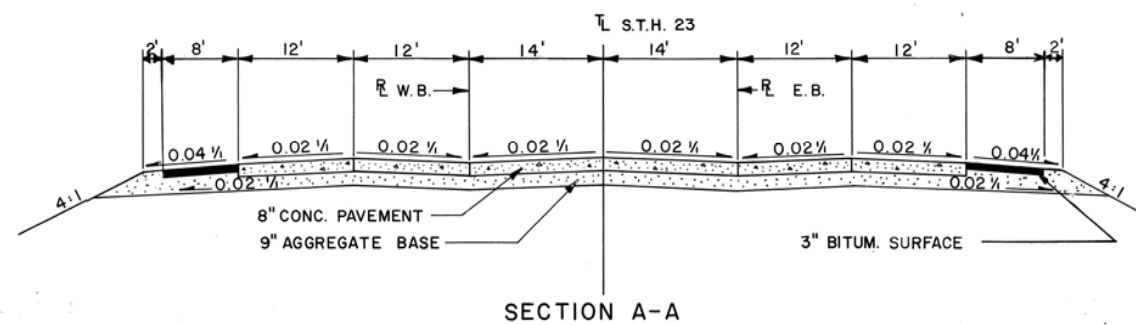
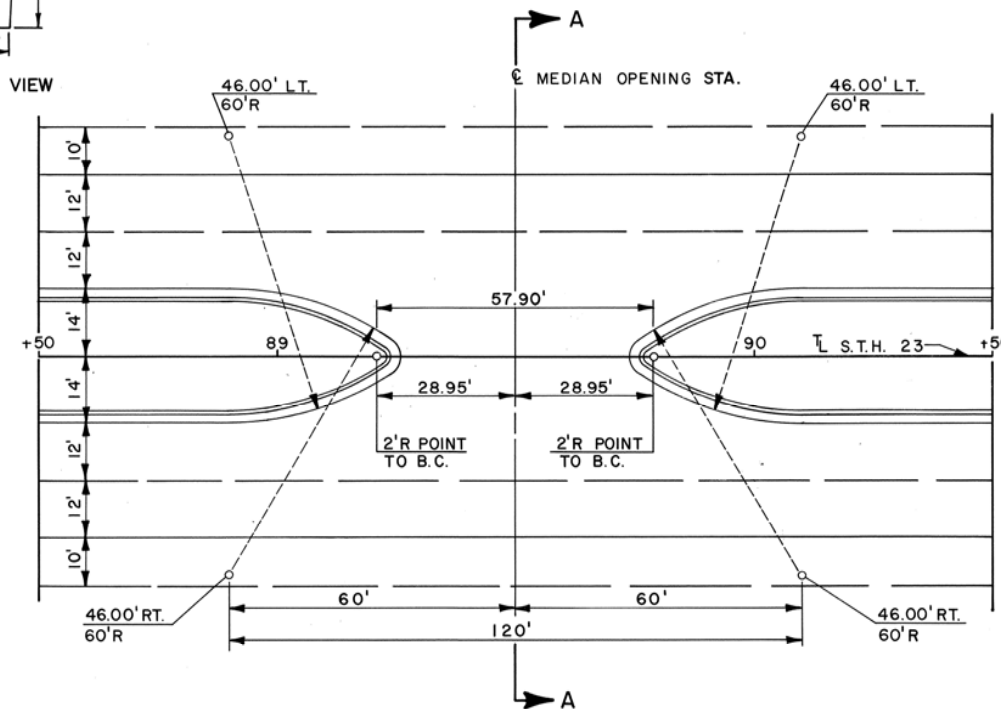
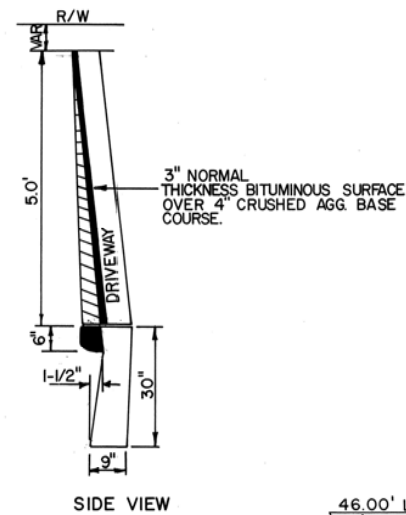
TYPICAL SECTION
C.T.H. "K"
STATION 37+00.00 TO STATION 48+81.64
STATION 50+18.36 TO STATION 59+15.00
STATION 59+15.00 TO STATION 62+00.00 LT.

NOTE
* 3" BITUMINOUS SURFACE, 3' WIDE MIN. ON
C.T.H. "K" FROM STA. 51+18 TO STA. 62+00.
ALSO SEE 20 SCALE PAVING DETAILS.

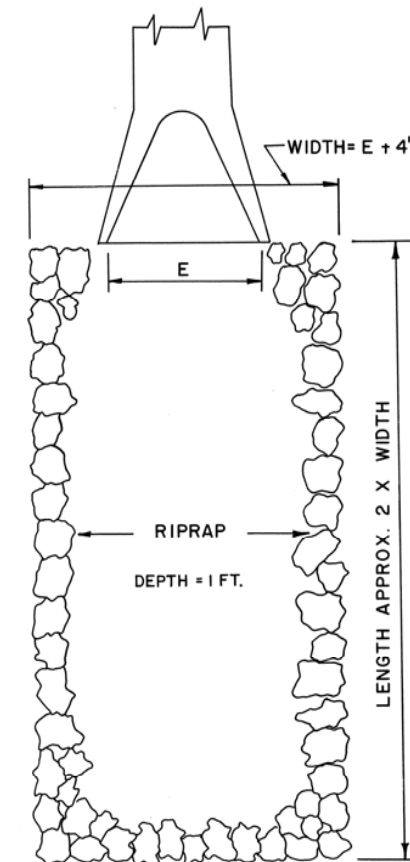
STATE PROJECT NUMBER	SHEET NO.
1442-01-72	2.3
CONSTRUCTION DETAILS	



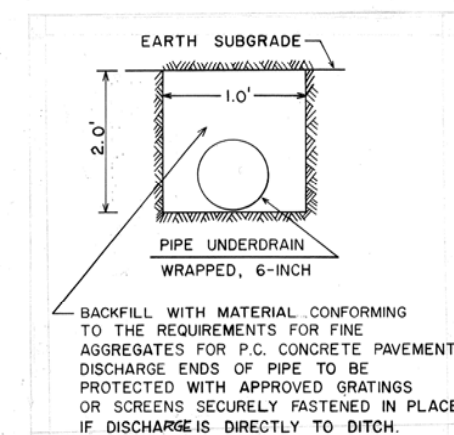
BITUMINOUS DRIVEWAY DETAIL



TYPICAL MEDIAN OPENING



RIPRAP PIPE APRON DETAIL

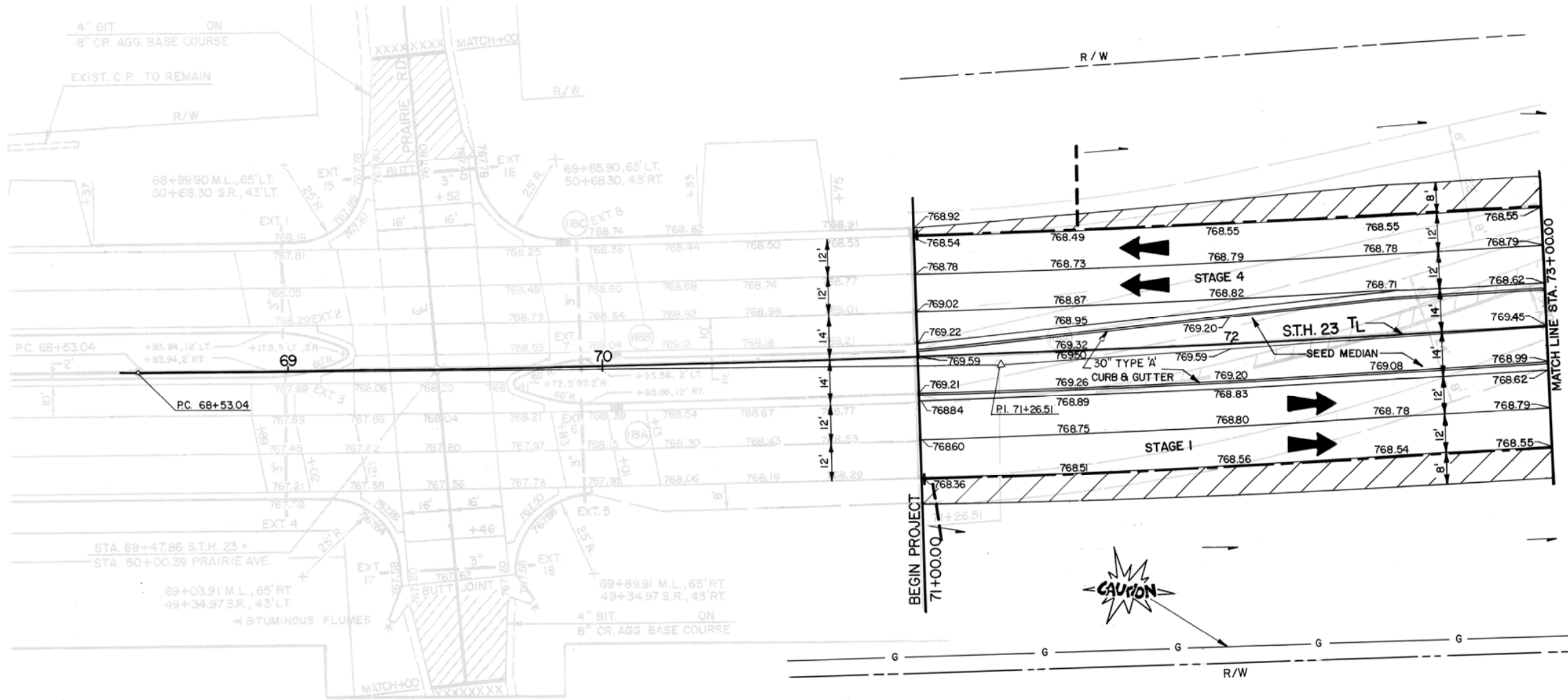


STATE PROJECT NUMBER	SHEET NO.
1442-01-72	2.12
PAVING DETAILS & DRAINAGE S.T.H. 23	

CURVE DATA
 PI = 71+26.51
 D = 0° 30' 00"
 Δ = 2° 44' 03"
 T = 273.47'
 L = 546.83'
 R = 11459.16'
 S.E. = TRANSITION CROWN FROM STA. 71+00 TO 73+50
 PC = 68+53.04
 PT = 73+99.87



SCALE
1" = 20'

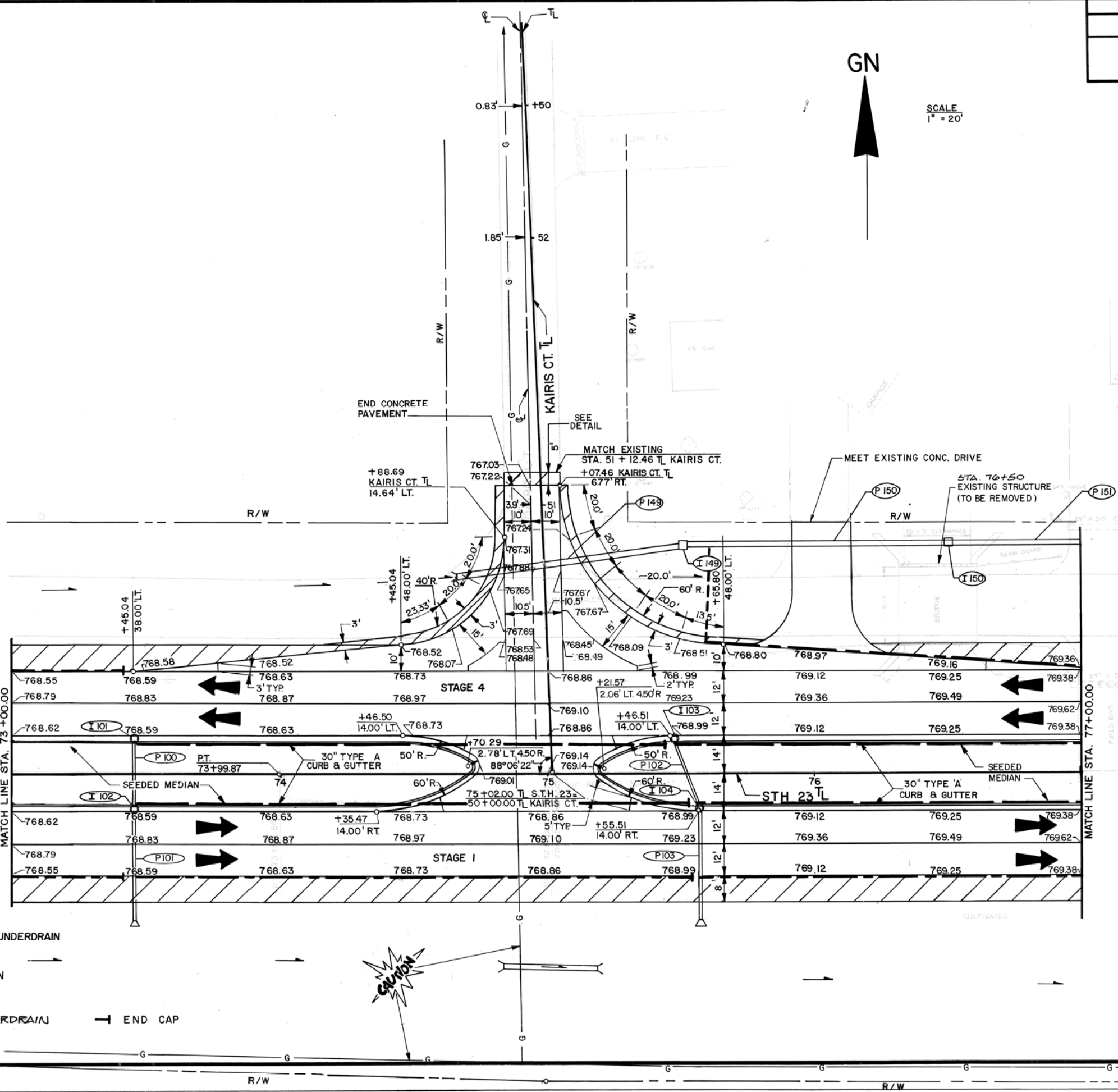


- 4" WRAPPED UNDERDRAIN
- 4" UNPERFORATED UNDERDRAIN
- END CAP

LEGEND
 — G — EXISTING 8" GAS MAIN
 [Hatched Box] BITUMINOUS SLURF

GN

SCALE
1" = 20'



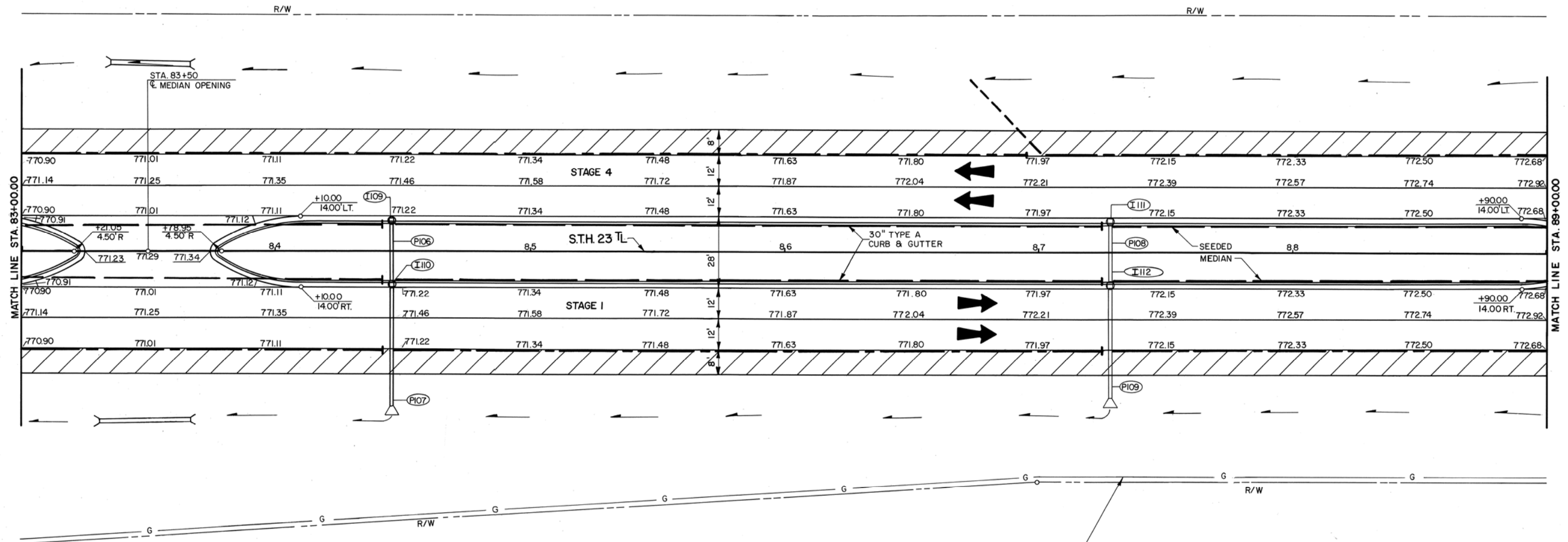
LEGEND
 G — EXISTING 8" GAS MAIN
 BITUMINOUS SURF.

4" WRAPPED & PLOWED UNDERDRAIN
 4" WRAPPED UNDERDRAIN
 4" UNPERFORATED UNDERDRAIN
 END CAP

STATE PROJECT NUMBER	SHEET NO.
1442-01-72	215
PAVING DETAILS & DRAINAGE	

GN

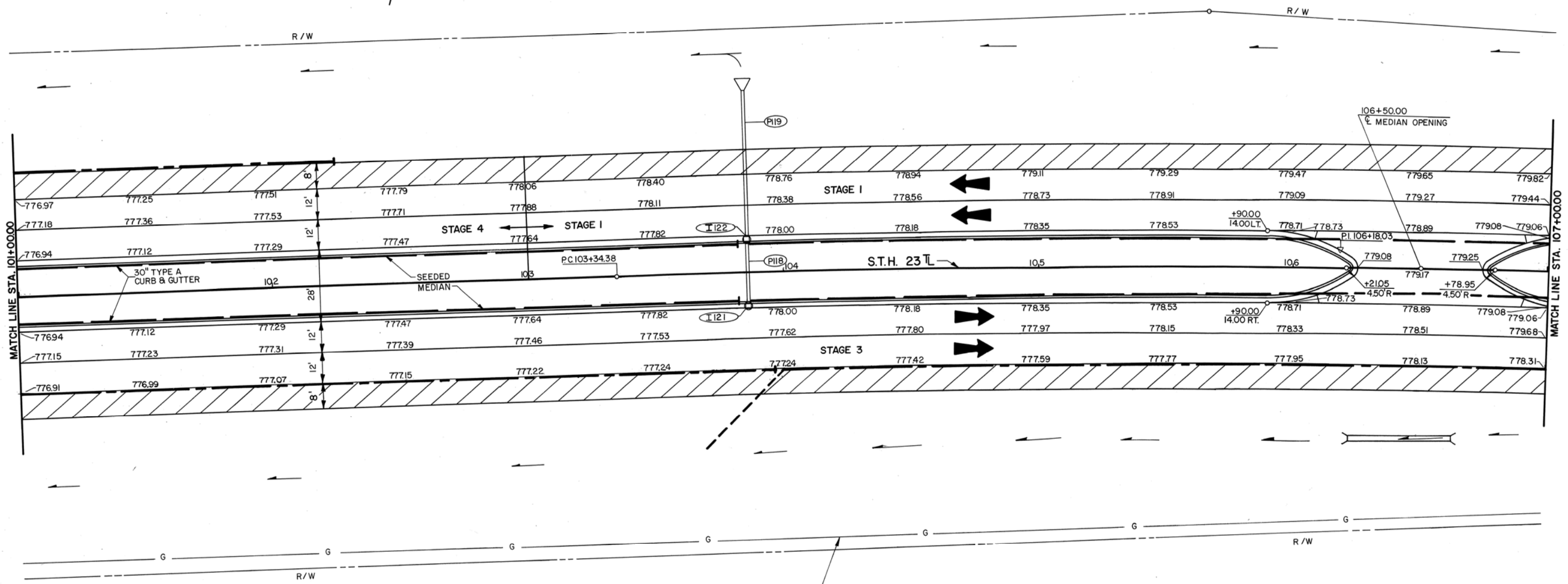
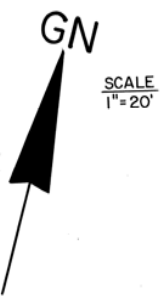
SCALE
1" = 20'



- LEGEND
- G — EXISTING 8" GAS MAIN
 - ▨ BITUMINOUS SURF.
 - 4" WRAPPED & PLOWED UNDERDRAIN
 - 4" WRAPPED UNDERDRAIN
 - - - 4" UNPERFORATED UNDERDRAIN
 - END CAP

STATE PROJECT NUMBER	SHEET NO.
1442-01-72	2.18
PAVING DETAILS & DRAINAGE	

CURVE DATA 30
 PI = 106+18.03
 D = 1°-00'-00"
 Δ = 5°-40'-06"
 T = 283.65'
 L = 566.83'
 R = 572958'
 SE = 0.032 1/4
 PC = 103+34.38
 PT = 109+01.21



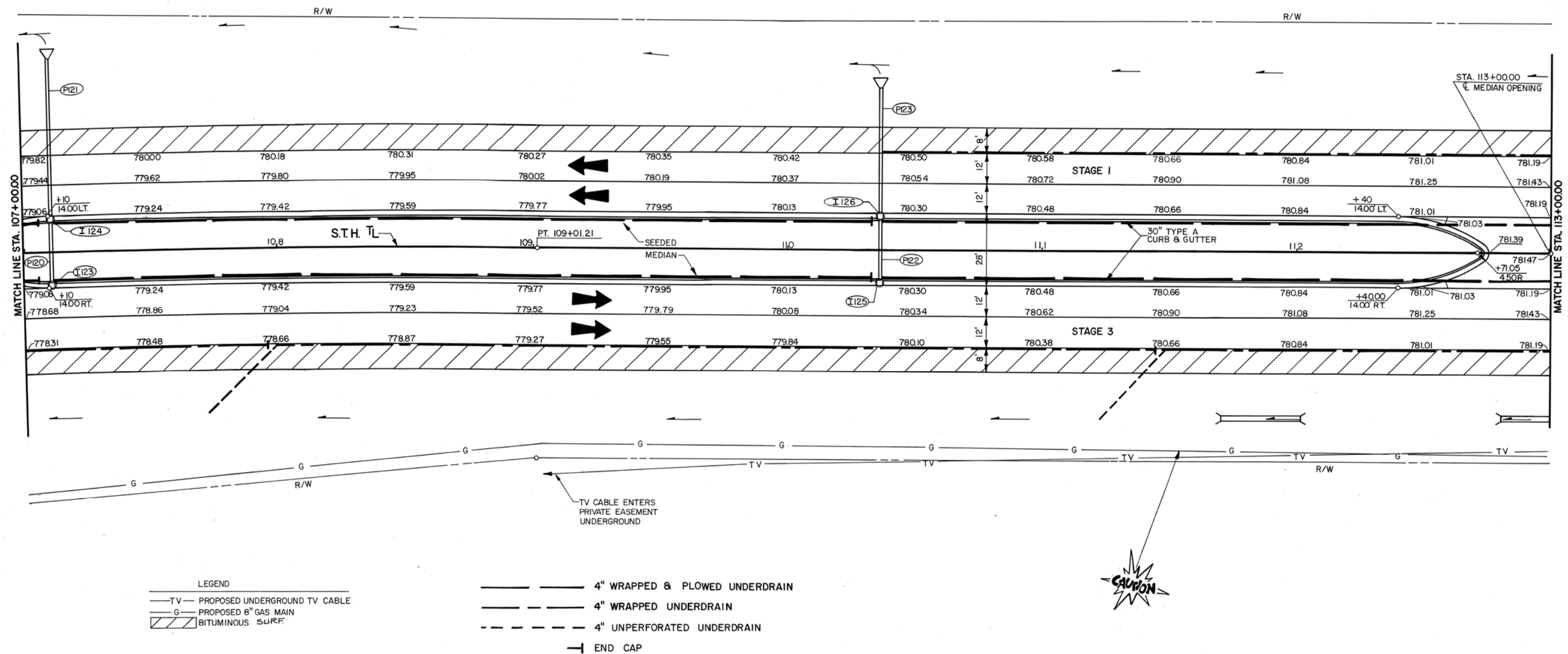
- 4" WRAPPED & PLOWED UNDERDRAIN
- 4" WRAPPED UNDERDRAIN
- - - 4" UNPERFORATED UNDERDRAIN
- END CAP

LEGEND
 — G — EXISTING 8" GAS MAIN
 [Hatched Box] BITUMINOUS SURF.

STATE PROJECT NUMBER	SHEET NO.
1442-01-72	2.19
PAVING DETAILS & DRAINAGE	



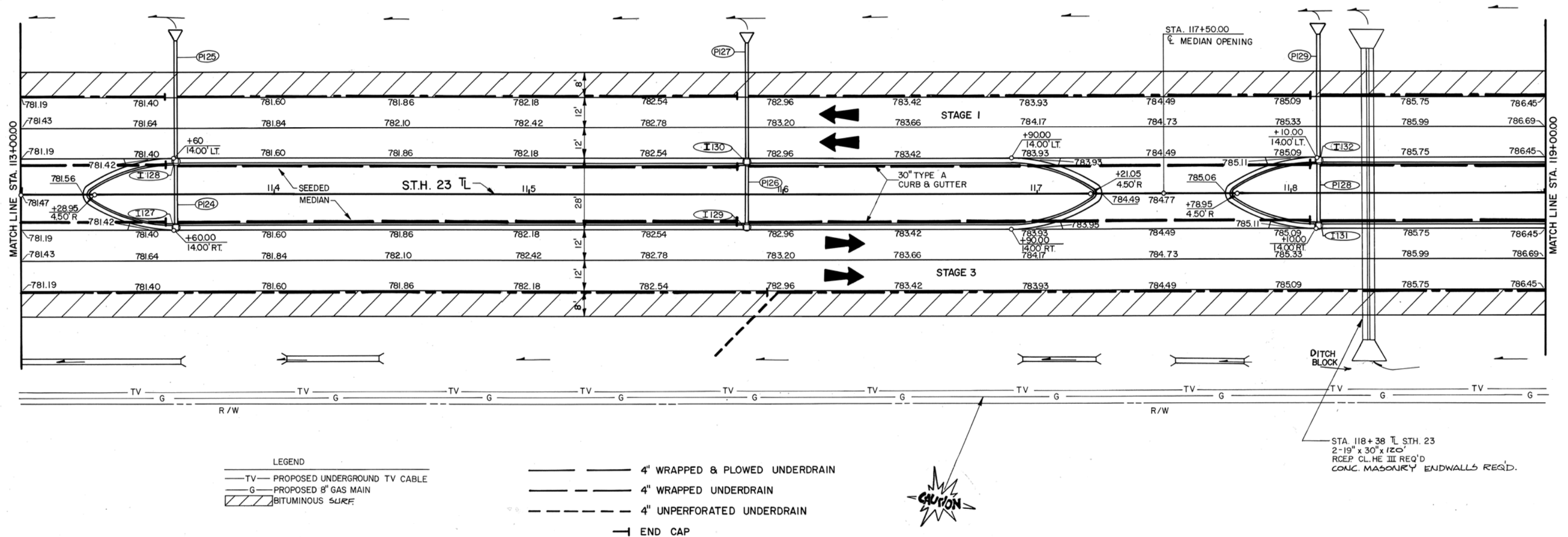
SCALE
1" = 20'



STATE PROJECT NUMBER	SHEET NO.
1442-01-72	2.20
PAVING DETAILS & DRAINAGE	

GN

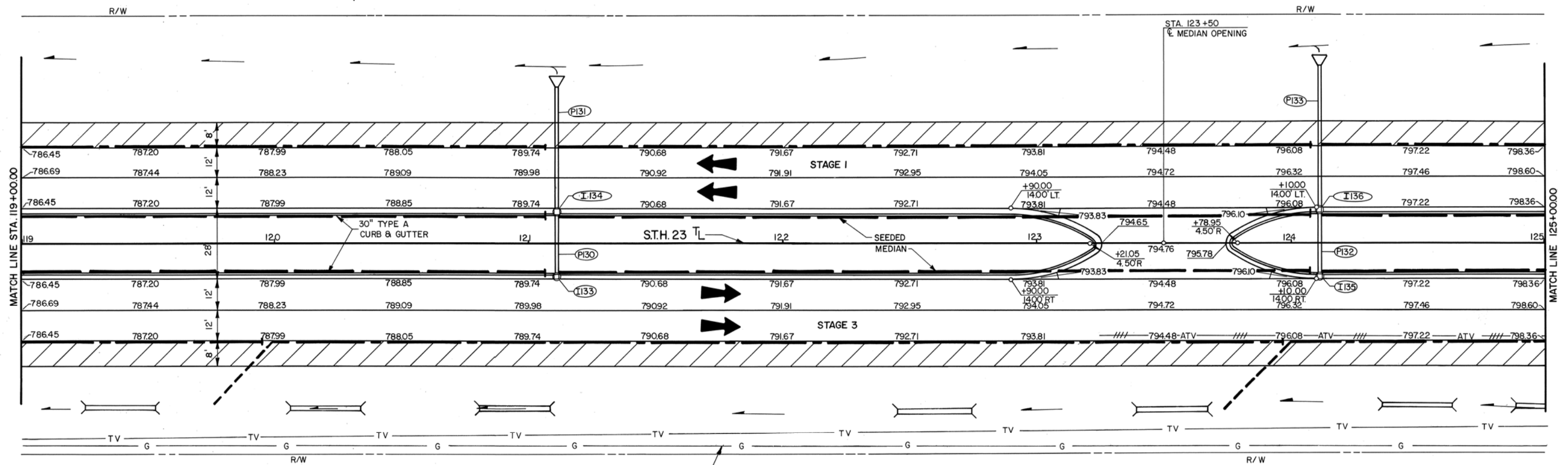
SCALE
1" = 20'



STATE PROJECT NUMBER	SHEET NO.
1442-01-72	2.21
PAVING DETAILS & DRAINAGE	

GN

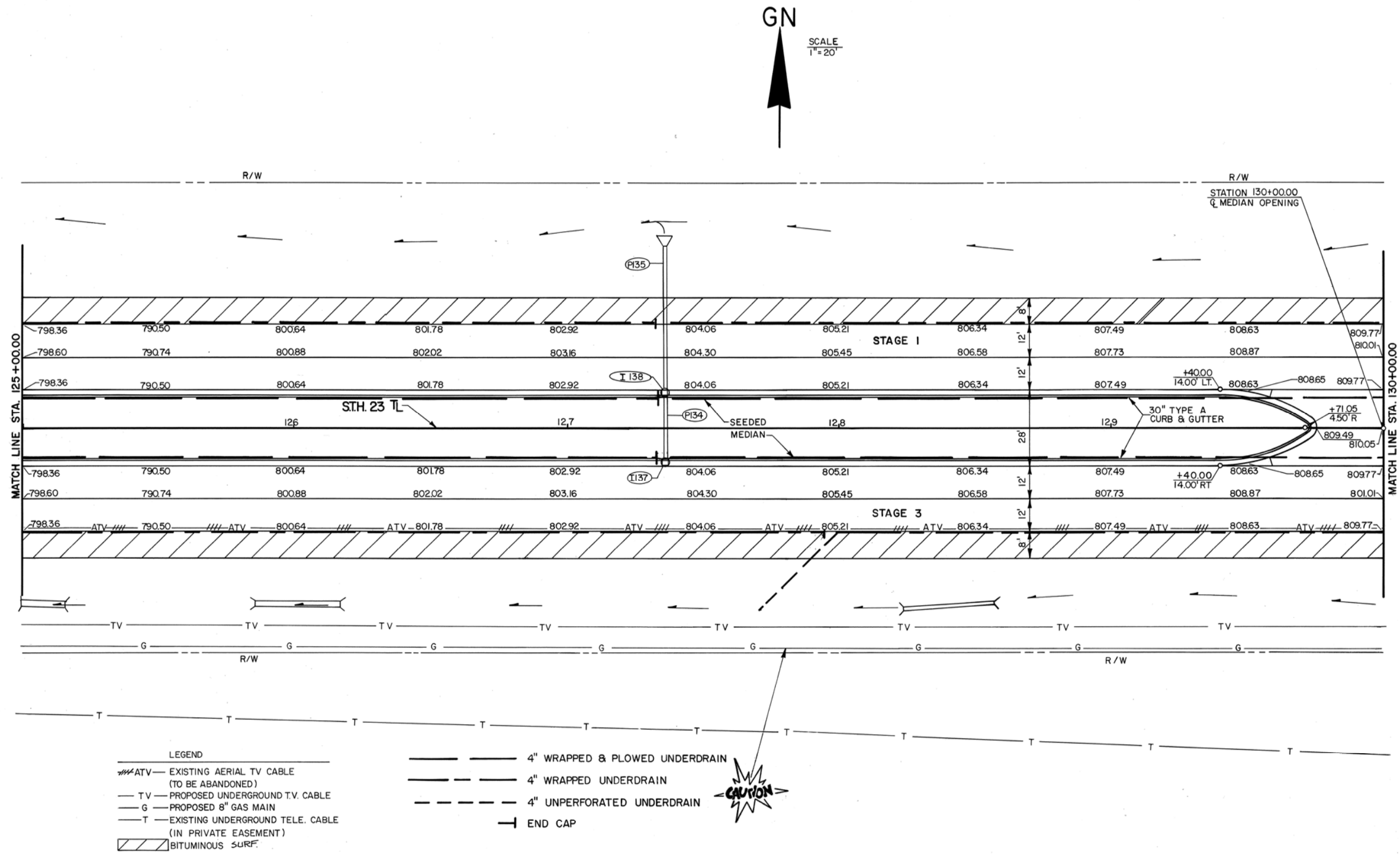
SCALE
1" = 20'



- LEGEND
- ### ATV — EXISTING AERIAL TV CABLE (TO BE ABANDONED)
 - TV — PROPOSED UNDERGROUND TV CABLE
 - G — PROPOSED 8" GAS MAIN
 - T — EXISTING UNDERGROUND TELE. CABLE (IN PRIVATE EASEMENT)
 - ▨ BITUMINOUS SURF.

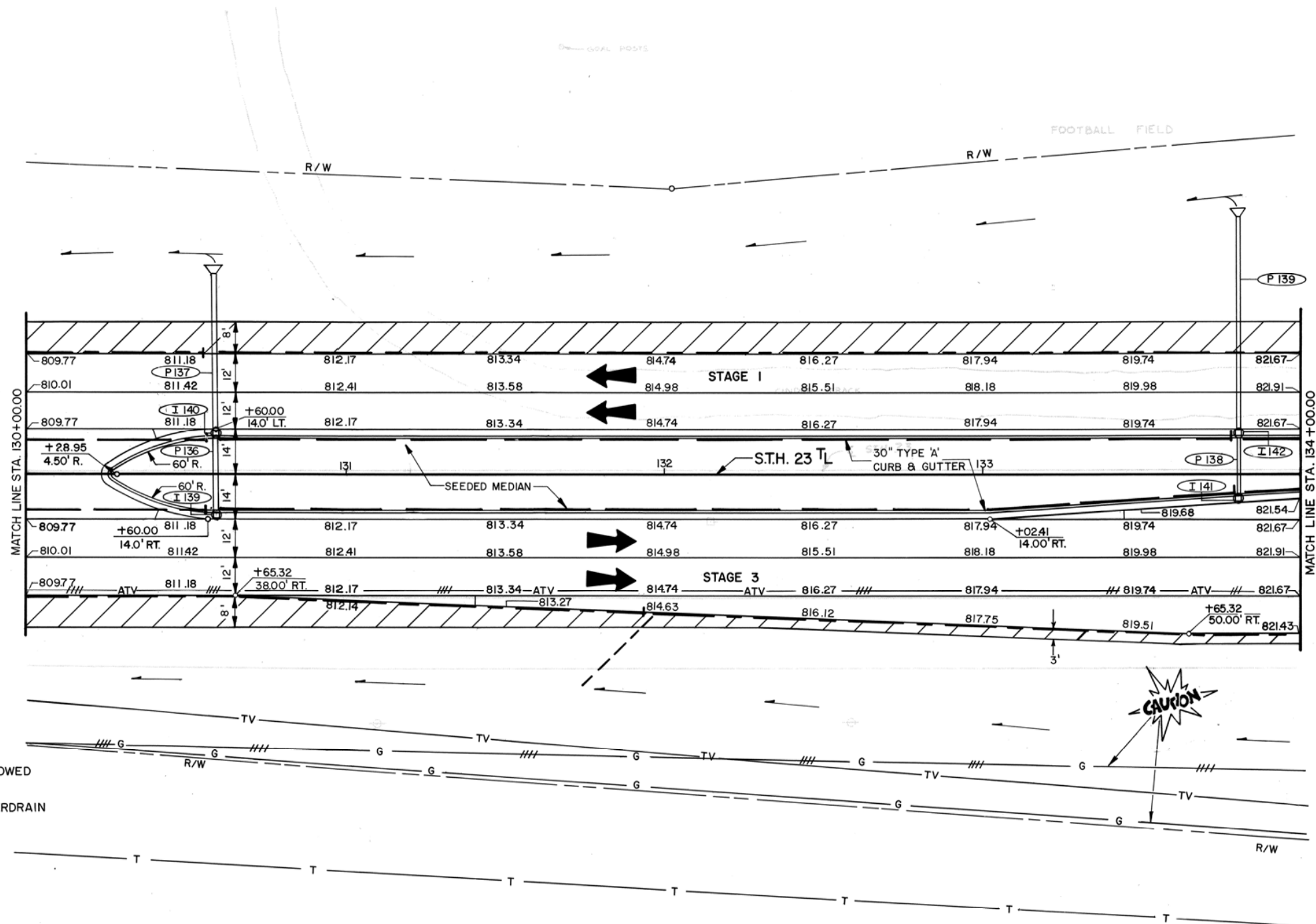
- 4" WRAPPED & PLOWED UNDERDRAIN
- 4" WRAPPED UNDERDRAIN
- 4" UNPERFORATED UNDERDRAIN
- END CAP

EXISTING U.G. TELE. CABLE (IN PRIVATE EASEMENT)



GN

SCALE
1" = 20'



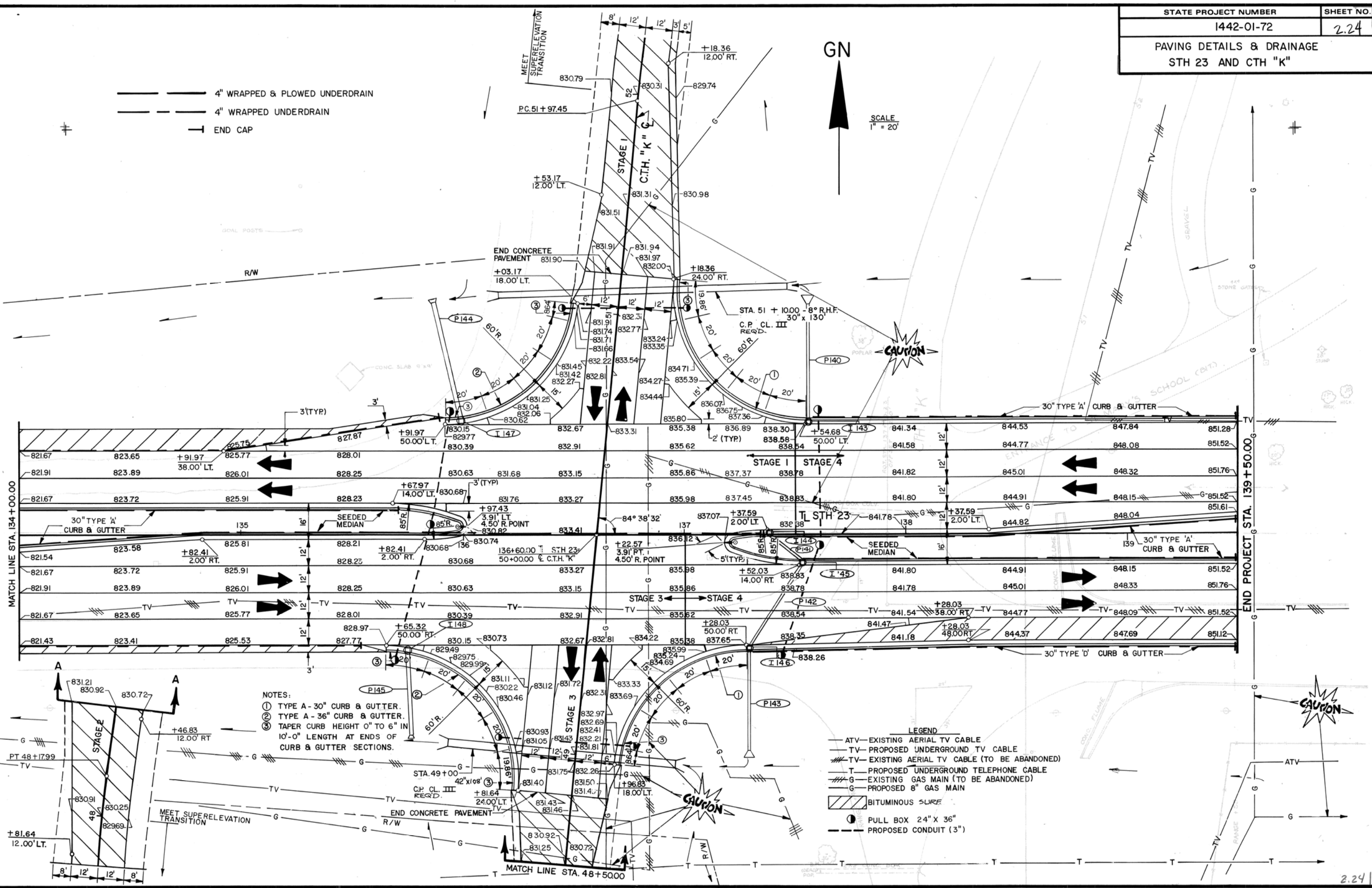
- 4" WRAPPED & PLOWED UNDERDRAIN
- 4" WRAPPED UNDERDRAIN
- 4" UNPERFORATED UNDERDRAIN
- END CAP

- LEGEND
- ATV — EXISTING AERIAL TV CABLE (TO BE ABANDONED)
 - TV — PROPOSED UNDERGROUND T.V. CABLE
 - G — EXISTING 8" GAS MAIN (TO BE ABANDONED)
 - G — PROPOSED 8" GAS MAIN
 - T — EXISTING UNDERGROUND TELE. CABLE (IN PRIVATE EASEMENT)
 - BITUMINOUS SURF

4" WRAPPED & PLOWED UNDERDRAIN
4" WRAPPED UNDERDRAIN
END CAP



SCALE
1" = 20'

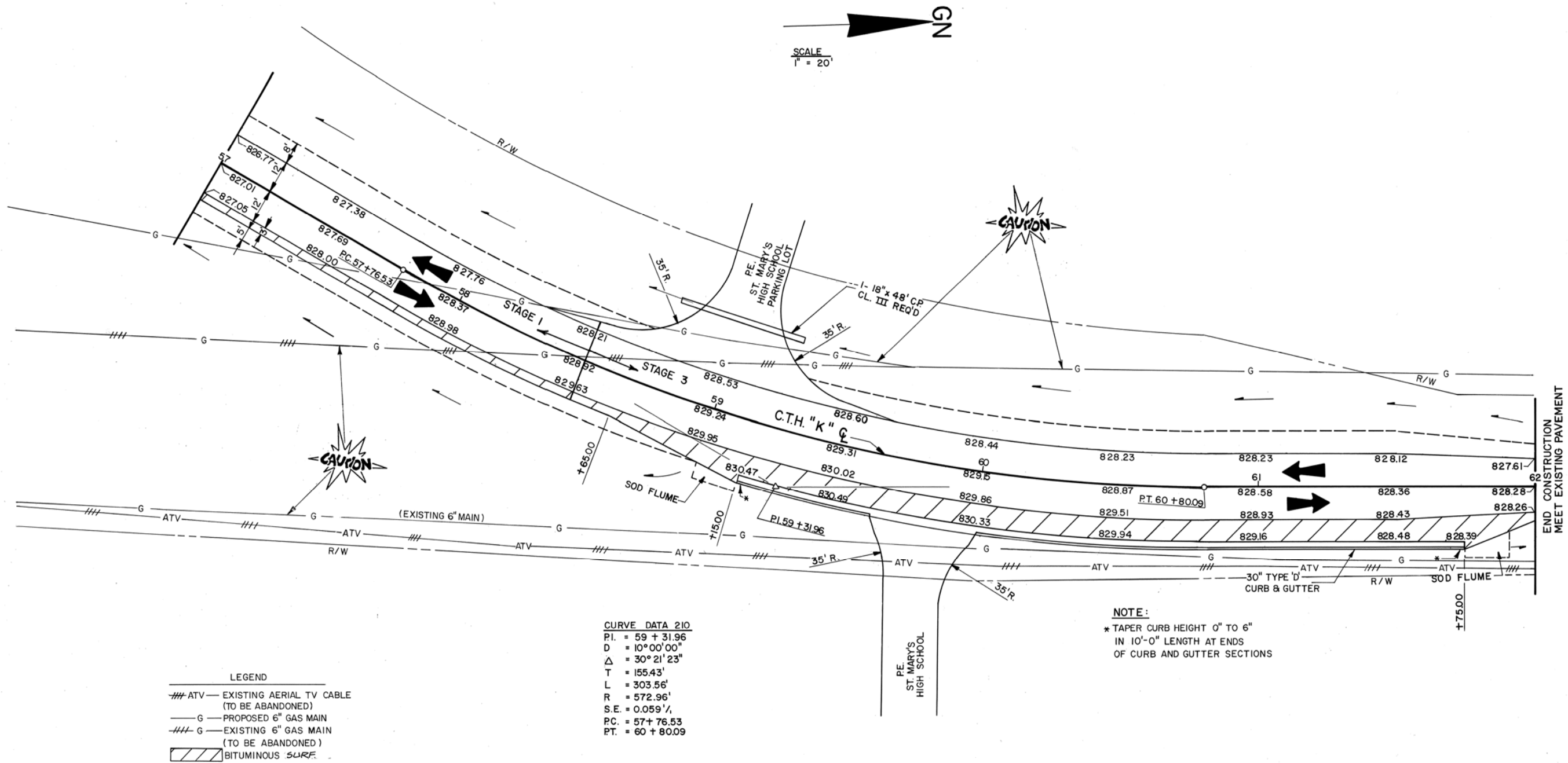


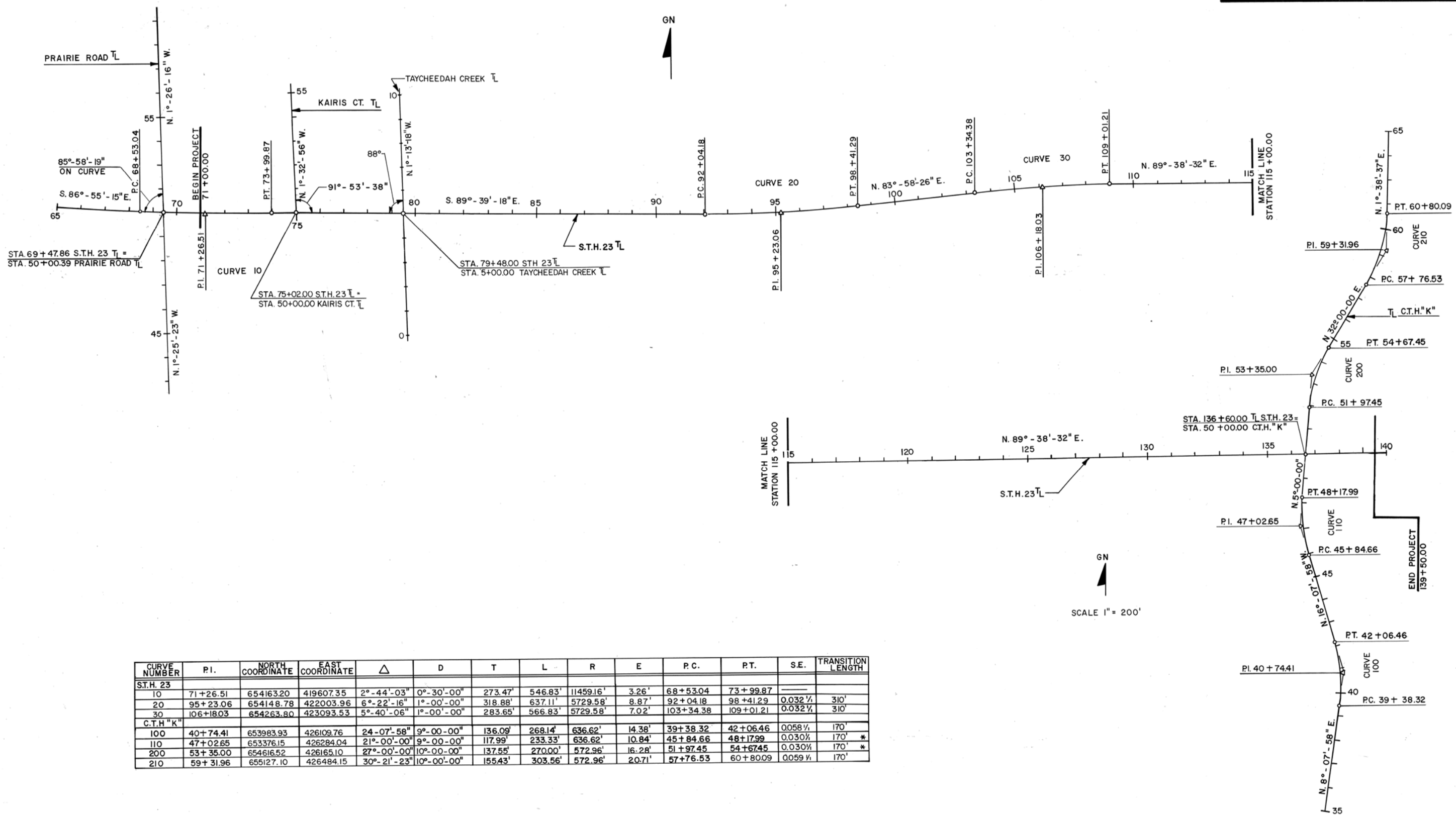
NOTES:
① TYPE A - 30" CURB & GUTTER.
② TYPE A - 36" CURB & GUTTER.
③ TAPER CURB HEIGHT 0" TO 6" IN 10'-0" LENGTH AT ENDS OF CURB & GUTTER SECTIONS.

LEGEND
ATV - EXISTING AERIAL TV CABLE
TV - PROPOSED UNDERGROUND TV CABLE
TV - EXISTING AERIAL TV CABLE (TO BE ABANDONED)
T - PROPOSED UNDERGROUND TELEPHONE CABLE
G - EXISTING GAS MAIN (TO BE ABANDONED)
G - PROPOSED 8" GAS MAIN
BITUMINOUS SURF
PULL BOX 24" X 36"
PROPOSED CONDUIT (3")



STATE PROJECT NUMBER	SHEET NO.
1442-01-72	2.25
PAVING DETAILS - C.T.H. 'K' & DRAINAGE	





CURVE NUMBER	P.I.	NORTH COORDINATE	EAST COORDINATE	Δ	D	T	L	R	E	P.C.	P.T.	S.E.	TRANSITION LENGTH
S.T.H. 23													
10	71+26.51	654163.20	419607.35	2°-44'-03"	0°-30'-00"	273.47'	546.83'	11459.16'	3.26'	68+53.04	73+99.87		
20	95+23.06	654148.78	422003.96	6°-22'-16"	1°-00'-00"	318.88'	637.11'	5729.58'	8.87'	92+04.18	98+41.29	0.032%	310'
30	106+18.03	654263.80	423093.53	5°-40'-06"	1°-00'-00"	283.65'	566.83'	5729.58'	7.02'	103+34.38	109+01.21	0.032%	310'
C.T.H. "K"													
100	40+74.41	653983.93	426109.76	24°-07'-58"	9°-00'-00"	136.09'	268.14'	636.62'	14.38'	39+38.32	42+06.46	0.058%	170'
110	47+02.65	653376.15	426284.04	21°-00'-00"	9°-00'-00"	117.99'	233.33'	636.62'	10.84'	45+84.66	48+17.99	0.030%	170' *
200	53+35.00	654616.52	426165.10	27°-00'-00"	10°-00'-00"	137.55'	270.00'	572.96'	16.28'	51+97.45	54+67.45	0.030%	170' *
210	59+31.96	655127.10	426484.15	30°-21'-23"	10°-00'-00"	155.43'	303.56'	572.96'	20.71'	57+76.53	60+80.09	0.059%	170'

* TRANSITION LENGTH VARIES AT C.T.H. "K" & S.T.H. 23 INTERSECTION.
SEE ELEVATIONS FOR TRANSITION ON 20 SCALE PLAN SHEETS.

E S T I M A T E O F Q U A N T I T I E S

DATE 04/29/87

01-72
COUNTY
D EAST COUNTY LINE ROAD
E TO C.T.H. K

PROJECT ID: 1442-01-74

FOND DU LAC COUNTY
FOND DU LAC TO EAST COUNTY LINE ROAD
TAYCHEEDAH CREEK BRIDGE & APPROACHES
S.T.H. 23

N	UNIT	TOTAL	1442-01-72 QUANTITY	1442-01-74 QUANTITY
GE, L.S.	STA.	3.00	3.00	
GE, L.S.	I.D.	44.00	44.00	
	STA.	3.00	3.00	
	I.D.	44.00	44.00	
	EACH	5.00	5.00	
GE, L.S.		1.00	1.00	
GE, L.S.		1.00		1.00
	S.Y.	16,745.00	16,745.00	
	L.F.	378.00	378.00	
	EACH	2.00	2.00	
	L.F.	813.00	813.00	
	C.Y.	38,976.00	31,485.00	7,491.00
	L.S.	1.00		1.00
	C.Y.	79,000.00	79,000.00	
	C.Y.	50.00	50.00	
	L.S.	1.00	1.00	
	L.S.	1.00		1.00
	STA.	15.00	15.00	
	TON	45,450.00	45,450.00	
	GAL.	475.00	475.00	
AL	TON	259.00	259.00	
ENT	TON	5,115.00	5,115.00	
	S.Y.	41,755.00	41,755.00	
	S.Y.	159.00	159.00	
	C.Y.	535.00		535.00
	C.Y.	3.00	3.00	
	LB.	76,980.00		76,980.00
ENT,				

Sheet 3

1442-01-74
QUANTITY

1442-01-72
QUANTITY

TOTAL

UNIT

S	L.F.	224.00	224.00
S	L.F.	650.00	650.00
S	L.F.	338.00	338.00
S	L.F.	130.00	130.00
S	L.F.	144.00	144.00

S	L.F.	108.00	108.00
R	EACH	4.00	4.00
R	EACH	34.00	34.00
R	EACH	22.00	22.00
R	EACH	2.00	2.00

R	EACH	4.00	4.00
R	EACH	2.00	2.00

TE SS	L.F.	132.00	132.00
TE JR	EACH	20.00	20.00
TE JR	EACH	2.00	2.00

TE JR	EACH	2.00	2.00
	L.F.	13,368.00	13,368.00
	L.F.	480.00	480.00
	L.F.	190.00	190.00
	C.Y.	660.00	640.00

20.00

45.00

TE	C.Y.	45.00	45.00
TE	L.F.	1,487.00	1,487.00
TE	L.F.	350.00	350.00

SHEET 3.1

1442-01-74
QUANTITY

1442-01-72
QUANTITY

TOTAL

UNIT

EACH	34.00	34.00
EACH	12.00	12.00
EACH	2.00	2.00
EACH	1.00	1.00
EACH	36.00	36.00

EACH	12.00	12.00
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EACH	4.00	4.00
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L.F.	1,100.00	1,100.00
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IT, L.F.	345.00	345.00
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EACH	9.00	9.00
------	------	------

L.F.	1,335.00	1,335.00
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L.S.	1.00	1.00
------	------	------

L.S.	1.00	1.00
------	------	------

L.S.	1.00	1.00
------	------	------

EACH	13.00	13.00
------	-------	-------

TON	3.00	3.00
-----	------	------

MGAL	300.00	300.00
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S.Y.	90,841.00	83,780.00	7,061.00
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S.Y.	107,498.00	99,937.00	7,561.00
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S.Y.	200.00	200.00
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EACH	50.00	50.00
------	-------	-------

CWT.	65.00	60.20	4.80
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LB.	1,316.00	1,214.00	102.00
-----	----------	----------	--------

S.Y.	6,000.00	6,000.00
------	----------	----------

EACH	16.00	16.00
------	-------	-------

L.S.	1.00	1.00
------	------	------

L.S.	1.00	1.00
------	------	------

L.S.	1.00	1.00
------	------	------

L.F.	21,135.00	21,135.00
------	-----------	-----------

L.F.	700.00	700.00
------	--------	--------

1442-01-74
QUANTITY

1442-01-72
QUANTITY

TOTAL

UNIT

L.F. 100.00 100.00

EACH 6.00 6.00

EACH 6.00 6.00

L.F. 3,800.00 3,800.00

L.F. 41,030.00 41,030.00

L.F. 27,700.00 27,700.00

DAYS 10,056.00 10,056.00

L.F. 595.00 595.00

LB. 137.00 137.00

L.F. 240.00 240.00

L.F. 500.00 500.00

L.F. 11,436.00 11,436.00

L.F. 12,384.00 12,384.00

EACH 1.00 1.00

L.F. 4,690.00 4,690.00

L.F. 4,690.00 4,690.00

DAYS 5,166.00 5,166.00

DAYS 13,247.00 13,247.00

DAYS 3,468.00 3,468.00

EACH 252.00 252.00

EACH 252.00 252.00

EACH 10.00 10.00

L.F. 66.00 66.00

PLOT SCALE: 100

PLOT NAME: 14423D

REV. DATE: 3/12/87

ORIGINATOR: CARRIE KUEHL

LEVELS ON - 11, 12, 13, 14, 15, 16, 17, 18, 19, 20,

STATE PROJECT NUMBER 1442-01-72		SHEET NO. 3A	
MISCELLANEOUS QUANTITIES PRAIRIE AVE. - C.T.H. "K"			
S.T.H. 23		FOND DU LAC CO.	

LOCATION STA.-STA.		CLEARING I.D. STA.		GRUBBING I.D. STA.	
71+00 - 78+00		X		X	
78+00 - 79+00		1		1	
79+00 - 89+00		X		X	
89+00 - 90+00		1		1	
90+00 - 112+00		X		X	
112+00 - 113+00		4		4	
113+00 - 139+50		X		X	
CTH "K"					
37+00 - 46+00		X		X	
46+00 - 47+00		1		1	
47+00 - 51+00		X		X	
51+00 - 52+00		40		40	
52+00 - 62+00		X		X	
TOTALS		44		3	

REMOVING SURFACE DRAINS	
LOCATION STATION	OFFSET
138+86	LT.
139+02	LT.

REMOVING GUARDRAIL	
LOCATION STA.-STA.	L.F.
75+67 - 76+32	LT.
76+61 - 76+89	LT.
76+61 - 76+93	LT.
77+83 - 78+48	LT.
78+78 - 79+05	LT.
78+78 - 79+41	LT.
94+75 - 96+46	LT.
97+00 - 99+00	LT.
138+18 - 139+50	LT.
TOTAL	813

REMOVING OLD CULVERTS		
LOCATION STATION	DESCRIPTION	EACH
97+90	2' X 2' X 40' CONC. BOX CULVERT	1
118+38	2' X 2' X 40' CONC. BOX CULVERT	1
137+87 LT.	2' X 2' X 90' CONC. BOX CULVERT	1
137+87 RT.	2' X 2' X 90' CONC. BOX CULVERT	1
CTH "K"		
54+81	2' X 2' X 45' CONC. BOX CULVERT	1
		1

REMOVING PAVEMENT	
LOCATION STA.-STA.	S.Y.
71+00 - 136+60	16,036
136+60 - 139+50	709
TOTALS	16,745

REMOVING CURB AND GUTTER	
LOCATION STA.-STA.	L.F.
66+73 - 68+01	LT. MEDIAN
66+15 - 67+73	RT. MEDIAN
139+00 - 139+50	LT.
139+08 - 139+50	RT.
TOTAL	378

GRANULAR BACKFILL	
LOCATION	C.Y.
UNDISTRIBUTED	50

OBLITERATING OLD ROAD	
LOCATION STA.-STA.	STA.
CTH "K"	
42+50 - 48+70	5.8
51+55 - 55+00	2.7
56+00 - 58+25	2.5
ST. MARY'S SCHOOL ENTRANCE	4.0
TOTAL	15.0

FOR INFORMATION ONLY	
CUT	= 8660 C.Y.
FILL	= 1560 C.Y.
WASTE	= 6710 C.Y. *
* 6391 C.Y. TO BE USED IN STAGES 3 & 4 AFTER NEW C.T.H. 'K' IS OPENED TO TRAFFIC.	

DRAIN TILE EXPLORATION	
LOCATION	L.F.
UNDISTRIBUTED	500

SAWING EXISTING PAVEMENT	
LOCATION STATION	L.F.
KAIRIS COURT 51+12	22
CTH "K"	
37+00	22
62+00	22
TOTAL	66

LANDMARK REFERENCE MONUMENTS	
LOCATION	TYPE A EACH
P.I. 71+26.51	1
P.I. 95+23.06	1
SEC. CORNER 96+02 / 46.4' LT.	5
P.I. 106+18.03	1
SEC. CORNER 123+66.45 / 50' RT.	5
TOTAL	13

CALCIUM CHLORIDE SURFACE TREATMENT	
LOCATION STA.-STA.	TON
CTH "K"	
37+00 - 41+70	1
58+30 - 62+00	1
UNDISTRIBUTED	1
TOTAL	3

PLOT SCALE: 100

PLOT NAME: 14423E

REV. DATE: 3/12/87

ORIGINATOR: CARRIE KUEHL

LEVELS ON - 11, 12, 13, 14, 15, 16, 17, 18, 19, 20,

STATE PROJECT NUMBER	SHEET NO.
1442-01-72	3B
MISCELLANEOUS QUANTITIES	
PRAIRIE AVE. - C.T.H. "K"	
S.T.H. 23	FOND DU LAC CO.

LOCATION STA.-STA.	CONCRETE PAVEMENT, 8-INCH S.Y.	CURB & GUTTER, 30-INCH, TYPE A L.F.	CURB & GUTTER, 30-INCH, TYPE D L.F.	CURB & GUTTER, 36-INCH, TYPE A L.F.
STAGE 1				
73+00 - 100+50 EB MEDIAN	7333	2570		
104+00 - 137+50 WB MEDIAN	9400	3000		
CTH "K" INTERSECTION	1168			190
STAGE 2				
71+00 - 73+00 EB MEDIAN	533	200		
STAGE 3				
100+50 - 137+00 EB MEDIAN	10200	3350		
CTH "K" INTERSECTION	1543			
STAGE 4				
66+15 - 68+01		285		
71+00 - 104+00 WB MEDIAN	9268	3120		
KARIS CT. INTERSECTION	490			
137+20 - 139+50 EB & WB MEDIAN		460		
137+00 - 139+50 EB RT.	800	88	220	
137+50 - 139+50 WB LT.	1020	295		
59+15 - 61+75 RT. (CTH "K")			260	
TOTALS	41,755	13,368	480	190

CONCRETE DRIVEWAY, 6-INCH

LOCATION STATION	S.Y.
76+00± LT.	159

WATER

LOCATION	M.GAL.
UNDISTRIBUTED	300

LOCATION STA.-STA.	CRUSHED BASE COURSE TON	AGGREGATE BASE COURSE SHOULDERS TON	BITUMINOUS MATERIAL FOR TACK COAT GAL.	FOR PLANT MIXES TON	BITUMINOUS SURFACING TON
STAGE 1					
STH 23					
66+50 - 68+00 MEDIAN	75		3.0	1.5	30
73+00 - 100+50 EB	4525	2905	50.0	21.0	422
104+00 - 137+50 WB	5775	3275	62.0	26.0	525
CTH "K"					
50+00 - 58+30	1110	1195	57.0	34.0	669
STAGE 2					
STH 23					
71+00 - 73+00 EB	320	215	4.0	1.5	31
95+00 - 104+00 TEMP.	400	465	24.0	14.0	276
CTH "K"					
41+70 - 49+70	1070	1150	54.0	33.0	644
35+00 - 41+00 RT. TEMP.	415			8.0	165
59+00 - 63+00 RT. TEMP.	240			5.0	100
STAGE 3					
STH 23					
100+50 - 137+00 EB	5990	3645	67.0	29.0	568
CTH "K"					
37+00 - 41+70	630	675	32.0	19.0	379
58+30 - 62+00	650	345	26.0	16.0	313
35+00 - 41+70 LT. TEMP.	345			5.5	110
59+00 - 63+00 RT. TEMP.	200			3.5	70
STAGE 4					
STH 23					
71+00 - 104+00 WB	4910	3275	60.0	26.0	506
137+00 - 139+50 EB	660		6.0	3.0	48
137+50 - 139+50 WB	525		5.0	2.0	39
ST. MARY'S DRIVEWAY	465		25.0	11.0	220
TOTALS	28,305	17,145	475	259	5115

STEEL PLATE BEAM GUARD,

STA.-STA.	CLASS 'A' L.F.	ANCHORAGES STANDARD EACH	ANCHORAGES TYPE 2 EACH
75+65 - 79+15 RT.	350	2	
76+30 - 77+00 LT.	70	2	
94+75 - 96+40 LT.	165	2	
97+00 - 99+00 LT.	200	2	
135+50 - 54+50 (CTH "K") LT.	550	1	1
STA.-STA. TOTALS	L.F. 1335	EACH 9	EACH 1

PIPE UNDERDRAIN,

LOCATION STA.-STA.	WRAPPED & PLOWED 4-INCH L.F.	WRAPPED 4-INCH L.F.	STANDARD* UNPERFORATED 4-INCH L.F.	REMARKS
71+00 - 73+40 LT & RT		480	20	90° ELBOW
71+00 RT			25	TEE
71+50 LT				
73+46 - 75+40 MED LT	194			
73+46 - 75+50 RT & MED RT	204	204		
75+48 - 78+50 MED LT		302		
75+57 - 78+50 RT & MED RT	293	293		
75+60 - 78+50 LT		290		
75+60 LT			35	90° ELBOW
78+87 - 81+60 MED LT & RT	546			
78+91 - 81+60 RT		249		DISCH. IN BOX CULVERT
78+91 - 82+95 LT		404		
81+65 - 84+40 RT & MED LT & RT	550	275		
83+00 - 86+95 LT		395	45	45° ELBOW
83+00 LT				
84+47 - 87+25 RT & MED LT & RT	556	278		
87+00 LT		395	40	45° ELBOW
87+00 - 90+95 LT				
87+30 - 90+05 RT & MED LT & RT	550	275		
90+12 - 90+75 RT		67		
90+12 - 93+70 MED LT & RT	716			
91+00 LT				
91+00 - 95+95 LT		395	40	45° ELBOW
93+75 - 97+30 MED LT & RT	710			
95+00 LT				
95+00 - 97+30 LT				
97+36 - 100+55 LT & MED LT & RT	638	230		
100+62 - 103+80 MED LT & RT	636	319		
100+62 - 102+25 RT		163		
101+00 RT			45	45° ELBOW
101+00 - 103+95 RT		395		
103+87 - 107+05 MED LT & RT	636		45	45° ELBOW
104+00 RT				
104+00 - 107+95 RT		395	40	45° ELBOW
107+12 - 110+30 MED LT & RT	636			
108+00 RT				
108+00 - 111+45 RT		345		
110+37 - 113+55 LT & MED LT & RT	636	318		
111+50 RT			35	45° ELBOW
111+50 - 115+95 RT				
113+62 - 115+80 LT & MED LT & RT	436	445		
115+86 - 118+05 LT & MED LT & RT	438	218		
116+00 RT		219		
116+00 - 119+95 RT		395	35	45° ELBOW
118+12 - 121+05 LT & MED LT & RT	586	293		
120+00 RT				
120+00 - 123+95 RT		395	35	45° ELBOW
121+12 - 124+05 LT & MED LT & RT	586	293		
124+00 RT				
124+00 - 127+95 RT		395	40	45° ELBOW
124+12 - 127+30 LT & MED LT & RT	636	318		
127+37 - 130+55 LT & MED LT & RT	636	318		
128+00 RT		395	40	45° ELBOW
128+00 - 131+95 RT				
130+62 - 133+75 LT & MED LT & RT	626	313		
132+00 RT				
132+00 - 135+55 RT		355	35	45° ELBOW
133+81 - 135+95 LT		214		
133+81 - 135+70 MED LT	189			
133+81 - 137+35 MED RT & LT	354			
137+57 - 139+45 LT		188		
137+40 - 139+45 LT & MED LT	205			
137+54 - 139+45 MED RT	191			
137+30 - 139+45 RT		215		
TOTAL	12,184	11,136	595	

*ONE DELINEATOR POST AT EACH DISCHARGE

PIPE UNDERDRAIN, UNPERFORATED, 8-INCH

LOCATION STA.-STA.	L.F.
86+00, LT - 96+20, RT	200
91+00 - 96+00	500
UNDISTRIBUTED	400
TOTAL	1100

LEVELS ON - 11, 12, 13, 14, 15, 16, 17, 18, 19, 20,

59,

FILE NAME: HDGNC42,3013144201301DGN

EROSION CONTROL

SILT FENCE AND MAINTENANCE L.F.	SODDING	RIPRAP	HEAVY RIPRAP	EROSION MAT	EROSION BALES
	S.Y.	C.Y.	C.Y.	S.Y.	EACH

STAGE 1 & 2

STH 23					
76+50 - 78+00 RT	220				
77+60 - 78+50 RT		110			
78+20 MED	50				
79+05 - 80+05 RT		135			
79+10 MED	50				
79+10 - 81+20 RT	260				
79+30 400' LT			20*		
90+30 - 91+70 RT	180				
97+80 - 99+00 RT		160			
98+30 - 99+50 RT	160				
98+30 - 100+00 LT	200				
107+40 - 108+30 LT	130				
117+80 - 135+70 LT		2390	2		
118+30 LT	190				
118+60 - 120+10 LT					
124+40 - 125+10 LT	120				
130+75 - 131+75 LT	135				
134+00 - 134+90 RT	120				
135+40 - 135+90 RT			55		
135+60 - 136+10 LT	95		55		
135+80 RT					
137+00 RT	100				
137+50 LT	150				
CTH "K"					
43+00 - 48+60 LT	580				
51+00 - 51+70 LT	190	95			
51+00 - 52+40 LT					
53+70 - 54+70 RT	130				
54+40 - 55+20 RT		110			
54+50 - 56+10 LT		215			
55+00 - 55+80 LT & RT	240				

STAGE 3 & 4

78+70 LT			45*		
78+90 - 80+00 LT		150			
79+10 - 81+00 LT	230				
90+40 - 91+80 LT	170				
98+15 LT	130		2		
107+40 - 108+40 RT					
118+00 - 135+30 RT		2310			
118+50 - 120+00 RT	180				
124+20 - 125+20 RT	130				
130+70 - 131+80 RT	140				
136+80 - 139+50 RT		290			
137+30 - 139+50 LT		235			
CTH "K"					
35+40 - 40+20 LT	410				
62+15 LT		1			
UNDISTRIBUTED		325**		200	50
TOTAL 1442-01-72	4690	6000	0	200	50
TOTAL 1441-01-74	0	0	45	0	0

*1442-01-74
**INCLUDES CULVERT ENDWALLS

DETAIL SUMMARY OF MISCELLANEOUS QUANTITIES

LOCATION	SIZE IN.	TYPE	CLASS	THICKNESS (IN.)		L.F.	INLET ELEV.	DISCH. ELEV.	APRON ENDWALLS EACH	CONC. MASONRY ENDWALLS C.Y.	SOD COLLARS FOR ENDWALLS	RIPRAP*		SOD		REMARKS
				STEEL	ALUMINUM							LT. C.Y.	RT. C.Y.	LT. S.Y.	RT. S.Y.	
MAINLINE S.T.H. 23																
98 + 15	36	ROCP	III			132	768.77	768.06	2			9				JOINT TIES (8) ENDWALL + 1 PIPE JOINT
118 + 38	19 x 30	ROCP	HE- III			2 @ 120	781.48	779.97		3.0		6				CONC. MASONRY ENDWALLS (3 C.Y.)
SIDE ROADS																
C.T.H. "K" 37 + 14	24	CP	III	.064	.075	26			2			5				EXTEND LT 14' & RT. 12'
C.T.H. "K" 49 + 00	42	CP	III	.109	.105	108	823.47	819.68	2			8				SKEW 8" R.H.F.
C.T.H. "K" 51 + 10	30	CP	III	.079	.075	130	821.90	815.35	2			6				
C.T.H. "K" 54 + 81	36	CP	III	.079	.105	88	816.95	816.57	2			7				
C.T.H. "K" 62 + 30	18	CP	III	.064	.060	16			0							TEMP. EXT. 6' LT. & 10' RT.
PRIVATE ENTRANCES																
75 + 00 RT.	18	CP	III	.064	.060	36			2			4				
83 + 50 RT.	18	CP	III	.064	.060	36			2			4				
83 + 50 LT.	18	CP	III	.064	.060	32			2			4				
89 + 50 RT.	18	CP	III	.064	.060	28			2			4				
89 + 50 LT.	18	CP	III	.064	.060	36			2			4				
90 + 35 LT.	18	CP	III	.064	.060	36			2			4				
90 + 40 RT.	18	CP	III	.064	.060	36			2			6				
106 + 45 RT.	18	CP	III	.064	.075	40			2			4				
107 + 22 RT.	18	CP	III	.064	.075	44			2			4				
111 + 85 RT.	18	CP	III	.064	.075	36			2			4				
113 + 05 RT.	18	CP	III	.064	.075	76			2			4				ONE CULVERT FOR BOTH P.E.'S (OVERLAPPING SIDE SLOPES)
113 + 45 RT.																
114 + 22 RT.	18	CP	III	.064	.075	36			2			4				
117 + 07 RT.	18	CP	III	.064	.075	30			2			4				
117 + 66 RT.	18	CP	III	.064	.075	28			2			4				
119 + 40 RT.	24	CP	III	.064	.075	28			2			5				
120 + 20 RT.	24	CP	III	.064	.075	28			2			5				
120 + 93 RT.	24	CP	III	.064	.075	28			2			5				
122 + 58 RT.	24	CP	III	.064	.075	30			2			5				
123 + 53 RT.	24	CP	III	.064	.075	28			2			5				
124 + 50 RT.	24	CP	III	.064	.075	28			2			5				
124 + 96 RT.	24	CP	III	.064	.075	28			2							
125 + 98 RT.	24	CP	III	.064	.075	32			2			5				
128 + 39 RT.	24	CP	III	.064	.075	34			2			5				
PRIVATE ENTRANCES																
C.T.H. "K" 41 + 85 RT.	18	CP	III	.064	.060	28			2			4				
C.T.H. "K" 46 + 00 RT.	18	CP	III	.064	.060	28			2			4				
C.T.H. "K" 56 + 00 RT.	24	CP	III	.064	.075	48			2			5				
C.T.H. "K" 59 + 00 LT.	18	CP	III	.064	.060	48			2			4				
ST. MARY'S HIGH SCHOOL ENTERANCE	36	CP	III	.079	.105	56			2			7				ON SCHOOL ENTRANCE DRIVE STA. 6 + 60

* SEE EROSION CONTROL PLAN.

DETAIL SUMMARY OF MISCELLANEOUS QUANTITIES

STORM SEWER LIST

STRUCTURE NO.	STATION & LOCATION	STRUCTURE TYPE		COVER		GRATE ELEV.	DEPTH (FT.)	PIPE NO.	LOCATION	SIZE (IN.)	LENGTH (FT.)	TYPE	THICKNESS (IN.)		INLET ELEV.	DISCH. ELEV.	APRON ENDWALLS EACH	JOINT TIES *	REMARKS
		CATCH BASIN	INLET	CATCH BASIN	INLET								STEEL	ALUMINUM					
INLET 101	73+46.00 / 12' LT.		I		A	768.59	3.92												
								P100	I 101 TO I 102	12	23	R.C.P. SS CL III			764.09	763.93			
INLET 102	73 + 46.00 / 12' RT.		I		A	768.59	4.08												
								P 101	I 102 TO DITCH	12	44	R.C.P. SS CL III			763.93	763.65	1	2	
INLET 103	75 + 47.40 / 12' RT.		I		A	768.98	3.42												
								P 102	I 103 TO I 104	12	24	R.C.P. SS CL III			764.98	764.14			
INLET 104	75 + 56.40 / 12' RT.		I		A	769.01	4.37												
								P 103	I 104 TO DITCH	12	50	R.C.P. SS CL III			764.14	762.80	1	2	
INLET 105	78 + 85.75 / 12' LT.				A	769.86		ON BOX CULVERT, SEE STRUCTURE B-20-75											
INLET 106	78 + 85.75 / 12' RT.				A	769.86		ON BOX CULVERT, SEE STRUCTURE B-20-75											
INLET 107	81 + 64.00 / 12' LT.		I		A	770.58	2.59												
								P 104	I 107 TO I 108	12	23	R.C.P. SS CL III			767.41	767.01			
INLET 108	81 + 64.00 / 12' RT.		I		A	770.58	3.07												
								P 105	I 108 TO DITCH	12	43	R.C.P. SS CL III			767.01	766.20	1	2	
INLET 109	84 + 45.89 / 12' LT.		I		A	771.21	2.59												
								P 106	I 109 TO I 110	12	23	R.C.P. SS CL III			768.04	767.58			
INLET 110	84 + 45.89 / 12' RT.		I		A	771.21	3.13												
								P 107	I 110 TO DITCH	12	40	R.C.P. SS CL III			767.58	767.00	1	2	
INLET 111	87 + 28.39 / 12' LT.		I		A	772.07	2.59												
								P 108	I 111 TO I 112	12	23	R.C.P. SS CL III			768.09	768.65			
INLET 112	87 + 28.39 / 12' RT.		I		A	772.07	2.92												
								P 109	I 112 TO DITCH	12	40	R.C.P. SS CL III			768.65	768.15	1	2	
INLET 113	90 + 10.89 / 12' LT.		I		A	773.08	2.59												
								P 110	I 113 TO I 114	12	23	R.C.P. SS CL III			769.91	769.63			
INLET 114	90 + 10.89 / 12' RT.		I		A	773.08	2.95												
								P 111	I 114 TO DITCH	12	43	R.C.P. SS CL III			769.63	769.15	1	2	
INLET 115	93 + 74.00 / 12' LT.		I		A	774.36	2.59												
								P 112	I 115 TO I 116	12	23	R.C.P. SS CL III			771.19	771.00			
INLET 116	93 + 74.00 / 12' RT.		I		A	774.36	2.86												
								P 113	I 116 TO DITCH	12	49	R.C.P. SS CL III			771.00	770.75	1	2	
INLET 117	97 + 35.89 / 12' RT.		I		A	775.64	3.42												
								P 114	I 117 TO I 118	12	23	R.C.P. SS CL III			772.47	771.53			
INLET 118	97 + 35.89 / 12' LT.		I		A	775.64	3.61												
								P 115	I 118 TO DITCH	12	40	R.C.P. SS CL III			771.53	771.00	1	2	
INLET 119	100 + 61.00 / 12' RT.		I		A	776.80	3.42												
								P 116	I 119 TO I 120	12	23	R.C.P. SS CL III			772.80	771.78			
INLET 120	100 + 61.00 / 12' LT.		I		A	776.80	4.52												
								P 117	I 120 TO DITCH	12	56	R.C.P. SS CL III			771.78	769.14	1	2	
INLET 121	103 + 86.00 / 12' RT.		I		A	777.70	3.42												
								P 118	I 121 TO I 122	12	23	R.C.P. SS CL III			773.70	772.91			
INLET 122	103 + 86.00 / 12' LT.		I		A	777.94	4.53												
								P 119	I 122 TO DITCH	12	62	R.C.P. SS CL III			772.91	770.46	1	2	
INLET 123	107 + 10.89 / 12' RT.		I		A	779.10	3.42												
								P 120	I 123 TO I 124	12	23	R.C.P. SS CL III			775.10	774.23			
INLET 124	107 + 10.89 / 12' LT.		I		A	779.10	4.37												
								P 121	I 124 TO DITCH	12	61	R.C.P. SS CL III			774.23	772.25	1	2	
INLET 125	110 + 36.00 / 12' RT.		I		A	780.26	3.42												
								P 122	I 125 TO I 126	12	23	R.C.P. SS CL III			776.26	775.84			
INLET 126	110 + 36.00 / 12' LT.		I		A	780.26	3.92												
								P 123	I 126 TO DITCH	12	49	R.C.P. SS CL III			775.84	774.88	1	2	

NOTE: GRATE ELEVATION IS FLANGE OF CURB & GUTTER.
DRAINAGE STRUCTURE LOCATIONS MEASURED TO FACE OF CURB.

* TIE ENDWALL TO LAST SECTION OF PIPE

DETAIL SUMMARY OF MISCELLANEOUS QUANTITIES

STORM SEWER LIST CONTINUED

STRUCTURE NO.	STATION & LOCATION	STRUCTURE TYPE		COVER		GRATE ELEV.	DEPTH (FT.)	PIPE NO.	LOCATION	SIZE (IN)	LENGTH (FT.)	TYPE	THICKNESS (IN)		INLET ELEV.	DISCH. ELEV.	APRON ENDWALLS EACH	JOINT TIES *	REMARKS
		INLET		INLET									STEEL	ALUMINUM					
INLET 127	113 + 60.89 / 12' RT.	I		A		781.42	3.42												
								P124	I 127 TO I 128	12	23	R.C.P. SS CL III			777.42	777.12			
INLET 128	113 + 60.89 / 12' LT.	I		A		781.42	4.30												
								P 125	I 128 TO DITCH	12	47	R.C.P. SS CL III			777.12	776.60	I	2	
INLET 129	115 + 86.00 / 12' RT.	I		A		782.84	3.42												
								P 126	I 129 TO I 130	12	23	R.C.P. SS CL III			778.84	778.56			
INLET 130	115 + 86.00 / 12' LT.	I		A		782.84	3.78												
								P 127	I 130 TO DITCH	12	47	R.C.P. SS CL III			778.56	777.96	I	2	
INLET 131	118 + 10.89 / 12' RT.	I		A		785.23	3.42												
								P 128	I 131 TO I 132	12	23	R.C.P. SS CL III			781.23	780.74			
INLET 132	118 + 10.89 / 12' LT.	I		A		785.23	3.99												
								P 129	I 132 TO DITCH	12	48	R.C.P. SS CL III			780.74	779.80	I	2	
INLET 133	121 + 11.00 / 12' RT.	I		A		789.94	2.59												
								P130	I 133 TO I 134	12	23	R.C.P. SS CL III			786.77	786.39			
INLET 134	121 + 11.00 / 12' LT.	I		A		789.94	3.05												
								P131	I 134 TO DITCH	12	44	R.C.P. SS CL III			786.39	785.40	I	2	
INLET 135	124 + 11.31 / 12' RT.	3		H		796.34	3.50												
								P132	I 135 TO I 136	12	23	R.C.P. SS CL III			792.34	791.41			
INLET 136	124 + 11.31 / 12' LT.	3		H		796.34	4.43												
								P 133	I 136 TO DITCH	12	51	R.C.P. SS CL III			791.41	789.70	I	2	
INLET 137	127 + 36.00 / 12' RT.	3		H		803.74	3.50												
								P 134	I 137 TO I 138	12	23	R.C.P. SS CL III			799.74	799.01			
INLET 138	127 + 36.00 / 12' LT.	3		H		803.74	4.23												
								P 135	I 138 TO DITCH	12	44	R.C.P. SS CL III			799.01	798.50	I	2	
INLET 139	130 + 61.31 / 12' RT.	3		H		811.16	3.50												
								P 136	I 139 TO I 140	12	23	R.C.P. SS CL III			807.16	806.71			
INLET 140	130 + 61.31 / 12' LT.	3		H		811.16	3.95												
								P 137	I 140 TO DITCH	12	49	R.C.P. SS CL III			806.71	806.60	I	2	
INLET 141	133 + 80.00 / 6.83' RT.	3		H		820.82	3.50												
								P 138	I 141 TO I 142	12	17	R.C.P. SS CL III			816.82	815.73			
INLET 142	133 + 80.00 / 12' LT.	3		H		820.92	4.69												
								P 139	I 142 TO DITCH	12	65	R.C.P. SS CL III			815.73	811.70	I	2	
INLET 143	137 + 55.99 / 52' LT.	3		H		838.66	3.50												
								P 140	I 143 TO DITCH	12	60	C.P.C.L. III	.064	.060	835.49	822.00	I (METAL)		2 x 45° ELBOWS REQUIRED
INLET 144	137 + 38.90 / T _L	3		H		838.24	3.50												
								P 141	I 144 TO I 145	12	18	R.C.P. SS CL III			835.07	835.02			
INLET 145	137 + 53.34 / 12' RT.	3		H		839.03	3.50												
								P 142	I 145 TO I 146	12	42	R.C.P. SS CL III			835.02	834.89			
INLET 146	137 + 29.34 / 52' RT.	3		H		837.69	2.30												
								P 143	I 146 TO DITCH	12	56	C.P.C.L. III	.064	.060	834.89	825.00	I (METAL)		2 x 45° ELBOWS REQUIRED
INLET 147	136 + 00.97 / 51' LT.	I		A		830.36	2.50												
								P 144	I 147 TO DITCH	12	62	C.P.C.L. III	.064	.060	827.36	DITCH	I (METAL)		2 x 45° ELBOWS REQUIRED
INLET 148	135 + 65.32 / 51' RT.	I		A		829.23	2.50												
								P 145	I 148 TO DITCH	12	46	C.P.C.L. III	.064	.060	826.23	DITCH	I (METAL)		2 x 45° ELBOWS REQUIRED
								P149	DITCH TO I 149	24	82	R.C.P. SS CL III			763.90	762.00	I	2	
INLET 149	75 + 50 / 87' LT.	9		2MS		764.80	2.80												
								P150	I 149 TO I 150	24	97	R.C.P. SS CL III			762.00	761.40			
INLET 150	76 + 50 / 87' LT.	8		MS		764.20	2.80												
								P151	I 150 TO I 151	24	127	R.C.P. SS CL III			761.40	760.80			
INLET 151	77 + 80 / 87' LT.	8		MS		763.50	2.70												
								P152	I 151 TO DITCH	24	44	R.C.P. SS CL III			760.80	DITCH	I	2	

NOTE: GRATE ELEVATION IS FLANG OF CURB & GUTTER.
DRAINAGE STRUCTURE LOCATIONS MEASURED TO FACE OF CURB.

* TIE ENDWALL TO LAST PIPE SECTION

TEMPORARY PAVEMENT MARKING, 4-INCH

	YELLOW REMOVABLE TAPE L.F.	WHITE REMOVABLE TAPE L.F.	YELLOW COLD PAINT L.F.	WHITE COLD PAINT L.F.	REMOVAL L.F.	REMARKS
STAGE 1						
STH 23						
74+00 - 138+00	EXIST. €		2 @ 6400			
73+00 - 100+50	EB €		2 @ 2750			
104+00 - 137+50	WB €		2 @ 3350			
STAGE 2						
STH 23						
66+00 - 68+00	RT	200				
66+00 - 69+00	€	300				
67+00 - 69+00	€	200				
70+00 - 71+00	LT & RT	2 @ 100				
71+00 - 74+00	€					
71+00 - 76+00	LT & RT	2 @ 300		2 @ 500		
STAGE 3						
STH 23						
95+00 - 101+00	EXIST. €				2 @ 600	TEMP. EXIST. TO WB €
95+00 - 104+00			2 @ 900	2 @ 900		
100+50 - 136+00	EB €		2 @ 3550			
CTH "K"						EXIST. CTH "K"
35+00 - 37+00	2 @ 200					TEMP. PAVEMENT
37+00 - 44+00			2 @ 700			TEMP. PAVEMENT
57+00 - 62+00			2 @ 500			EXIST. CTH "K"
62+00 - 64+00	2 @ 200					TEMP. PAVEMENT
STH 23 INTERSECTION				250		
STAGE 4						
STH 23						
66+00 - 68+00		200				
67+50 - 69+00	2 @ 150					
70+00 - 71+00	2 @ 100					
71+00 - 137+00	EB				2 @ 6600	
71+00 - 137+50	WB				2 @ 6650	
CTH "K"						EXIST. CTH "K"
35+00 - 37+00	2 @ 200					ON LOWER BIT. COURSE
37+00 - 41+70			2 @ 470			ON LOWER BIT. COURSE
58+30 - 62+00			2 @ 370			
62+00 - 64+00	2 @ 200					
TOTALS	3200	600	37,980	3050	27,700	

WORK ZONE TRAFFIC CONTROL & TEMPORARY SIGNING

LOCATION	SIGNS DAYS	TRAFFIC PLASTIC	CONTROL DRUMS	TYPE III BARRICADES DAYS	FLEXIBLE DELINEATOR POSTS & BASES EACH
		WITHOUT LIGHTS DAYS	WITH STEADY- BURN LIGHT DAYS		
STAGE 1	1,681	984	779	451	--
STAGE 2	468	306	441	117	41
STAGE 3	1,232	660	1,276	308	137
STAGE 4	1,748	2,760	690	414	74
SUSPENSION PERIOD	8,118	5,346	1,980	2,178	--
TOTALS	13,247	10,056	5,166	3,468	252

PULL BOXES, 24" X 36" LOCATION / OFFSET	EACH	NONMETALLIC CONDUIT 3-INCH L.F.
STH 23		
135+70 / 57' RT.	1	63
135+86 / 5' LT.	1	52
135+94 / 56' LT.	1	
137+44 / 55' RT.	1	50
137+61 / 6' RT.	1	62
137+61 / 56' LT.	1	
CTH "K"		
49+04 / 36' LT.	1	61
49+05 / 26' RT.	1	
51+00 / 26' LT.	1	57
51+06 / 31' RT.	1	
TOTALS	10	345

PAVEMENT MARKING, EPOXY

LOCATION	EDGE LINE SOLID WHITE 4-INCH L.F.	CENTERLINE SOLID YELLOW 4-INCH L.F.	CHANNELIZING SOLID WHITE 8-INCH L.F.	LANE LINE DASHED WHITE 4-INCH L.F.	CENTERLINE DASHED YELLOW 4-INCH L.F.	STOP LINE SOLID WHITE 24-INCH L.F.	ARROW TYPE 2 EACH	WORDS "ONLY" EACH
STH 23	13,260		700	3,425			6	6
KAIRIS CT.		116				26		
CTH "K"		3,784			550	74		
TOTAL	13,260	3,900	700	3,425	550	100	6	6

PLOT SCALE: 100

PLOT NAME: 144231A

REV. DATE: 3/12/87

ORIGINATOR: CARRIE KUEHL

LEVELS ON - 11, 12, 13, 14, 15, 16, 17, 18, 19, 20,

59,

STATE PROJECT NUMBER 1442-01-72, 74	SHEET NO. 31
MISCELLANEOUS QUANTITIES PRAIRIE AVE. - C.T.H. "K"	
S.T.H. 23	FOND DU LAC CO.

LANDSCAPING

LOCATION STA.-STA.	SALVAGED TOPSOIL S.Y.	SEEDING MIX NO. 1 LBS.	FERTILIZER TYPE B CWT.	MULCHING S.Y.	TEMPORARY SEEDING LBS.	MULCHING FOR TEMP. SEED AREAS S.Y.
STAGE 1						
STH 23						
73+00 - 100+50 EB RT	7,925	128	6.0	9,453	46	3,407
104+00 - 137+50 WB LT	11,383	179	8.3	13,244	64	4,741
CTH "K"						
50+00 - 58+30	7,321	110	5.0	8,128		
TAYCHEEDAH CREEK	7,061	102	4.8	7,561		
DRAINAGE DITCH @ 97+48 LT	3,489	70	3.3	5,156		
STAGE 2						
STH 23						
71+00 - 73+00 EB RT	392	7	0.3	489		
CTH "K"						
41+70 - 49+20	3,935	64	3.0	4,769	9	889
35+00 - 41+70 RT					4	100
58+30 - 62+00 RT						
STAGE 3						
STH 23						
100+50 - 137+00 EB RT	11,525	183	8.5	13,553		
104+00 - 137+00 MED	7,750	105	4.9	7,750		
CTH "K"						
35+00 - 41+70 LT					12	639
58+30 - 62+00 LT					2	273
STAGE 4						
STH 23						
66+50 - 68+00 MED	233	3	0.1	233		
71+00 - 104+00 WB LT	12,039	187	8.7	13,872		
71+00 - 104+00 MED	7,808	105	4.9	7,808		
137+00 - 139+50 EB RT	1,814	26	1.2	1,953		
137+00 - 139+50 MED	300	4	.2	300		
137+50 - 139+50 WB LT	1,700	25	1.1	1,811		
37+00 - 41+70 RT & LT	2,454	39	1.9	2,959		
58+30 - 62+00 RT & LT	1,234	22	1.0	1,590		
ST. MARY'S DRIVEWAY	2,478	38	1.8	2,820		
SOD AREAS		- 81		- 6,000		
TOTALS	90,841	1,316	65.0	97,449	137	10,049

PROJECT 1442-01-74

EARTHWORK SUMMARY

LOCATION	UNCLASSIFIED EXCAVATION C.Y.	FILL C.Y.	EXPANDED FILL C.Y.	EXPANDED FILL LESS -UNCLASS. EXC. C.Y.	WASTE C.Y.	FROM* OBLITERATING OLD ROAD C.Y.	BORROW EXCAVATION C.Y.	FROM OTHER PARTS OF THIS STAGE C.Y.	REMARKS
STAGE 1									
STH 23	3,807	57,732	69,278	65,471	0	0	56,621	8,850	
CTH "K"	1,143	9,861	11,833	10,690	0	0	10,690	0	
DRAINAGE DITCH, 98+18 LT	1,480	0	0	-1,480	0	0	0	0	HAUL TO STH 23
TAYCHEEDAH CREEK	7,307 *	0	0	-7,370	0	0	0	0	HAUL TO STH 23
SUBTOTAL	13,737	67,593	81,111	67,311	0	0	67,311	8,850	
STAGE 2									
STH 23	455	2,840	3,408	2,953	0	0	2,977	0	
CTH "K"	626	7,782	9,338	8,712	0	0	8,712	0	CTH "K", STA. 42+00-49+70
SUBTOTAL	1,081	10,622	12,746	11,665	0	0	11,689	0	
STAGE 3									
STH 23	7,137	8,884	10,661	3,524	0	2,974	0	550	
CTH "K"	1,413	719	863	-550	0	0	0	0	HAUL TO STH 23
SUBTOTAL	8,550	9,603	11,524	2,974	0	2,974	0	550	
STAGE 4									
STH 23	11,675	12,776	15,331	3,656	0	741	0	2,915	
CTH "K"	2,832	0	0	-2,832	0	0	0	0	
ST. MARY'S SCHOOL ENTRANCE	917	695	834	-83	0	0	0	0	} HAUL TO STH 23 & TAYCHEEDAH CREEK
TAYCHEEDAH CREEK	184 *	2,383	2,860	2,676	0	2,676	0	0	
SUBTOTAL	15,608	15,854	19,025	3,417	0	3,417	0	2,915	
TOTALS	38,976	103,672	124,406	85,367	0	6,391	79,000	(N/A)	

* PROJECT 1442 - 01 - 74

* FOR INFORMATION ONLY
(PAID FOR AS OBLITERATION)

59
PLOT NAME: 14420132F
PLOT SCALE: 100
REV. DATE: 3/17/87
ORIGINATOR: CARRIE L. KUEHL

LEVELS ON - 11, 12, 13, 14, 15, 16, 17, 18, 19, 20.

EARTHWORK QUANTITIES

LOCATION STATION	STAGE 1			STAGE 2			STAGE 3			STAGE 4		
	CUT C.Y.	FILL C.Y.	ALGEBRAIC SUM* C.Y.	CUT C.Y.	FILL C.Y.	ALGEBRAIC SUM* C.Y.	CUT C.Y.	FILL C.Y.	ALGEBRAIC SUM* C.Y.	CUT C.Y.	FILL C.Y.	ALGEBRAIC SUM* C.Y.
STH 23												
66+00 - 68+00	188		188							0	141	-168
71+00				137	0	137				185	0	17
71+50				111	19	225				196	8	203
72+00				48	52	211				175	17	358
72+50				30	106	113				240	26	567
73+00	20	207	-40							285	27	820
73+50	26	280	-350							290	10	1,098
74+00	31	367	-759							255	9	1,342
74+50	35	426	-1,235							227	6	1,562
75+00	48	463	-1,743							159	20	1,697
75+50	70	502	-2,275							80	34	1,736
76+00	57	598	-2,936							87	110	1,690
76+50	74	465	-3,420							66	119	1,614
77+00	135	582	-3,983							72	46	1,631
77+50	150	582	-4,531							114	38	1,699
78+00	189	435	-4,864							138	251	1,536
78+50	141	396	-5,198							172	263	1,392
79+00	44	496	-5,749							164	69	1,473
79+50	30	517	-6,339							151	67	1,544
80+00	46	978	-7,467							299	113	1,707
81+00	41	915	-8,524							307	98	1,896
82+00	39	822	-9,471							314	81	2,111
83+00	41	678	-10,244							322	63	2,357
84+00	48	633	-10,956							351	56	2,641
85+00	54	663	-11,698							377	56	2,951
86+00	50	541	-12,297							396	44	3,294
87+00	61	385	-12,698							399	30	3,657
88+00	83	385	-13,077							409	20	4,042
89+00	87	400	-13,470							435	24	4,448
90+00	67	415	-13,901							444	26	4,861
91+00												

*INCLUDES 20% SHRINKAGE

59.
11, 12, 13, 14, 15, 16, 17, 18, 19, 20,
LEVELS ON -

ORIGINATOR: CARRIE L. KUEHL
REV. DATE: 3/17/87
PLOT NAME: I4420132D
PLOT SCALE: 100

EARTHWORK QUANTITIES

LOCATION STATION	STAGE 1			STAGE 2			STAGE 3			STAGE 4		
	CUT C.Y.	FILL C.Y.	ALGEBRAIC SUM* C.Y.	CUT C.Y.	FILL C.Y.	ALGEBRAIC SUM* C.Y.	CUT C.Y.	FILL C.Y.	ALGEBRAIC SUM* C.Y.	CUT C.Y.	FILL C.Y.	ALGEBRAIC SUM* C.Y.
STH 23												
91+00	35	548	-14,524							470	19	5,308
92+00	15	685	-15,331							466	11	5,761
93+00	15	796	-16,271							392	9	6,142
94+00	24	900	-17,327							322	11	6,451
95+00	28	1,019	-18,522	11	2	122				233	17	6,667
96+00	13	978	-19,683	20	15	124				135	48	6,744
97+00	28	981	-20,832	28	41	103				94	167	6,638
98+00	83	767	-21,669	28	80	35				124	322	6,374
99+00	109	518	-22,182	9	113	-92				142	470	5,952
100+00	93	620	-22,833	0	104	-217				49	274	5,672
100+50				0	105	-343	34	322	-352	49	274	5,392
101+00				0	376	-794	59	589	-100	74	561	4,793
102+00				0	783	-1,734	66	444	-1,467	48	324	4,452
103+00				33	1,044	-2,954	68	393	-1,871	9	33	4,421
104+00	74	993	-23,951				59	363	-2,248			
105+00	85	989	-25,053				72	276	-2,507			
106+00	63	1,156	-26,377				157	196	-2,585			
107+00	33	1,278	-27,878				225	144	-2,533			
108+00	52	1,037	-29,070				237	126	-2,447			
109+00	78	767	-29,912				303	109	-2,275			
110+00	78	622	-30,580				329	109	-2,077			
111+00	85	463	-31,051				348	102	-1,851			
112+00	94	319	-31,340				240	270	-1,935			
113+00	80	370	-31,704				196	281	-2,076			
114+00	67	456	-32,184				303	139	-1,940			
115+00	67	459	-32,668				266	141	-1,843			
116+00	50	544	-33,271				246	143	-1,769			
117+00	43	715	-34,086				196	156	-1,760			
118+00	44	843	-35,054				137	187	-1,847			
119+00	37	828	-36,011				116	213	-1,987			
120+00												

*INCLUDES 20% SHRINKAGE

ORIGINATOR: CARRIE L. KUEHL

REV. DATE: 3/17/87

PLOT NAME: I4420132E

PLOT SCALE: 100

LEVELS ON - 11, 12, 13, 14, 15, 16, 17, 18, 19, 20,

EARTHWORK QUANTITIES

LOCATION STATION	STAGE 1			STAGE 2			STAGE 3			STAGE 4		
	CUT C.Y.	FILL C.Y.	ALGEBRAIC SUM* C.Y.	CUT C.Y.	FILL C.Y.	ALGEBRAIC SUM* C.Y.	CUT C.Y.	FILL C.Y.	ALGEBRAIC SUM* C.Y.	CUT C.Y.	FILL C.Y.	ALGEBRAIC SUM* C.Y.
STH 23												
120+00												
	37	696	-36,809				109	217	-2,138			
121+00	31	656	-37,565				148	183	-2,210			
122+00	28	915	-38,635				151	157	-2,247			
123+00	31	1,074	-39,893				166	163	-2,277			
124+00	30	963	-41,019				194	178	-2,297			
125+00	30	670	-41,793				240	157	-2,245			
126+00	30	633	-42,523				281	161	-2,157			
127+00	24	633	-43,259				281	176	-2,087			
128+00	25	369	-43,677				296	122	-1,937			
129+00	30	320	-44,031				342	83	-1,695			
130+00	31	411	-44,493				390	120	-1,449			
131+00	31	633	-45,222				379	165	-1,268			
132+00	30	1,070	-46,476				292	189	-1,203			
133+00	31	1,789	-48,592				109	193	-1,326			
134+00	31	2,752	-51,863				51	167	-1,475			
135+00	22	4,050	-56,701				51	633	-2,184			
136+00	7	4,909	-62,585				0	1,117	-3,524			
137+00	0	2,407	-65,473							0	556	3,754
137+50										900	815	3,676
138+00										969	3,778	112
139+00										90	3,215	-3,656
139+50												
TOTALS	3,807	57,732	-65,473	455	2,840	-2,954	7,137	8,884	-3,524	11,675	12, 776	-3,656

*INCLUDES 20% SHRINKAGE

PLOT SCALE: 100

PLOT NAME: I4420132A

REV. DATE: 3/17/87

ORIGINATOR: CARRIE L. KUEHL

59.

11, 12, 13, 14, 15, 16, 17, 18, 19, 20.

LEVELS ON -

PLOT SCALE: 100

PLOT NAME: 14420132B

REV. DATE: 3/17/87

ORIGINATOR: CARRIE L. KUEHL

59.

11, 12, 13, 14, 15, 16, 17, 18, 19, 20.

LEVELS ON *

EARTHWORK QUANTITIES

LOCATION STATION	STAGE 1			STAGE 2			STAGE 3			STAGE 4		
	CUT C.Y.	FILL C.Y.	ALGEBRAIC SUM* C.Y.	CUT C.Y.	FILL C.Y.	ALGEBRAIC SUM* C.Y.	CUT C.Y.	FILL C.Y.	ALGEBRAIC SUM* C.Y.	CUT C.Y.	FILL C.Y.	ALGEBRAIC SUM* C.Y.
CTH "K"												
35+00				9	15	-9	5	29	-29	331	0	331
36+00				13	89	-103	48	196	-216	406	0	737
37+00				15	120	-232	88	280	-463	192	0	929
38+00				67	80	-261	120	120	-487	161	0	1,090
39+00				81	59	-251	187	29	-334	331	0	1,421
40+00				26	26	-256	218	6	-122	570	0	1,991
41+00				35	7	-230	140	7	10	319	0	2,310
42+00				35	270	-519						
43+00				11	467	-1,068						
44+00				17	496	-1,647						
45+00				6	670	-2,445						
46+00				0	1,078	-3,738						
47+00				6	1,659	-5,723						
48+00				28	2,322	-8,482						
49+00				7	409	-8,966						
49+30												
51+00	19	72	-67									
52+00	0	3,759	-4,578									
53+00	0	3,204	-8,423									
54+00	0	2,115	-10,961									
55+00	178	707	-11,631									
56+00	330	0	-11,301									
57+00	285	2	-11,018									
58+00	331	2	-10,690							109	0	2,419
59+00				48	0	-8,918	327	0	337	183	0	2,602
60+00				76	0	-8,842	181	6	512	102	0	2,704
61+00				87	0	-8,755	75	26	556	69	0	2,773
62+00				59	15	-8,714	24	20	556	59	0	2,832
63+00												
TOTALS	1,143	9,861	-10,690	626	7,782	-8,714	1,413	719	551	2,832	0	2,832

*INCLUDES 20% SHRINKAGE

STATE PROJECT NUMBER 1442-01-72	SHEET NO. 3N
MISCELLANEOUS QUANTITIES PRAIRIE AVE. - CTH "K"	
STH 23	FOND DU LAC CO.

EARTHWORK QUANTITIES

LOCATION STATION	STAGE 1			STAGE 4		
	CUT C.Y.	FILL C.Y.	ALGEBRAIC SUM* C.Y.	CUT C.Y.	FILL C.Y.	ALGEBRAIC SUM* C.Y.
TAYCHEEDAH CREEK						
0+00						
1+00	106	0	106			
2+00	309	0	415			
3+00	498	0	913			
4+00	1,152	0	2,065			
4+15	257	0	2,322			
5+85	132	0	2,454	23	24	-6
6+00	1,531	0	3,985	87	631	-676
7+00	1,950	0	5,935	39	1,054	-1,902
8+00	1,115	0	7,050	31	589	-2,578
9+00	257	0	7,307	4	85	-2,676
10+00						
TOTALS	7,307	0	7,307	184	2,383	-2,676

LOCATION STATION	STAGE 4		
	CUT C.Y.	FILL C.Y.	ALGEBRAIC SUM* C.Y.
ST. MARY'S SCHOOL ENTRANCE			
5+50			
6+00	184	0	184
7+00	175	45	305
8+00	251	6	548
9+00	197	33	705
10+00	63	362	334
11+00	47	249	82
TOTALS	917	695	82

LOCATION STATION	STAGE 1		
	CUT C.Y.	FILL C.Y.	ALGEBRAIC SUM* C.Y.
DRAINAGE DITCH @ STA. 98+18			
10+00			
11+00	100	0	100
12+00	128	0	228
13+10	149	0	377
14+00	145	0	522
15+00	138	0	660
16+00	116	0	776
17+00	107	0	883
18+00	94	0	987
19+00	81	0	1,058
20+00	72	0	1,130
21+00	61	0	1,191
22+00	65	0	1,256
23+00	74	0	1,330
24+00	91	0	1,421
25+00	59	0	1,480
TOTALS	1,480	0	1,480

*INCLUDES 20% SHRINKAGE

PLOT SCALE: 100'

PLOT NAME: 14420132C

REV. DATE: 3/17/87

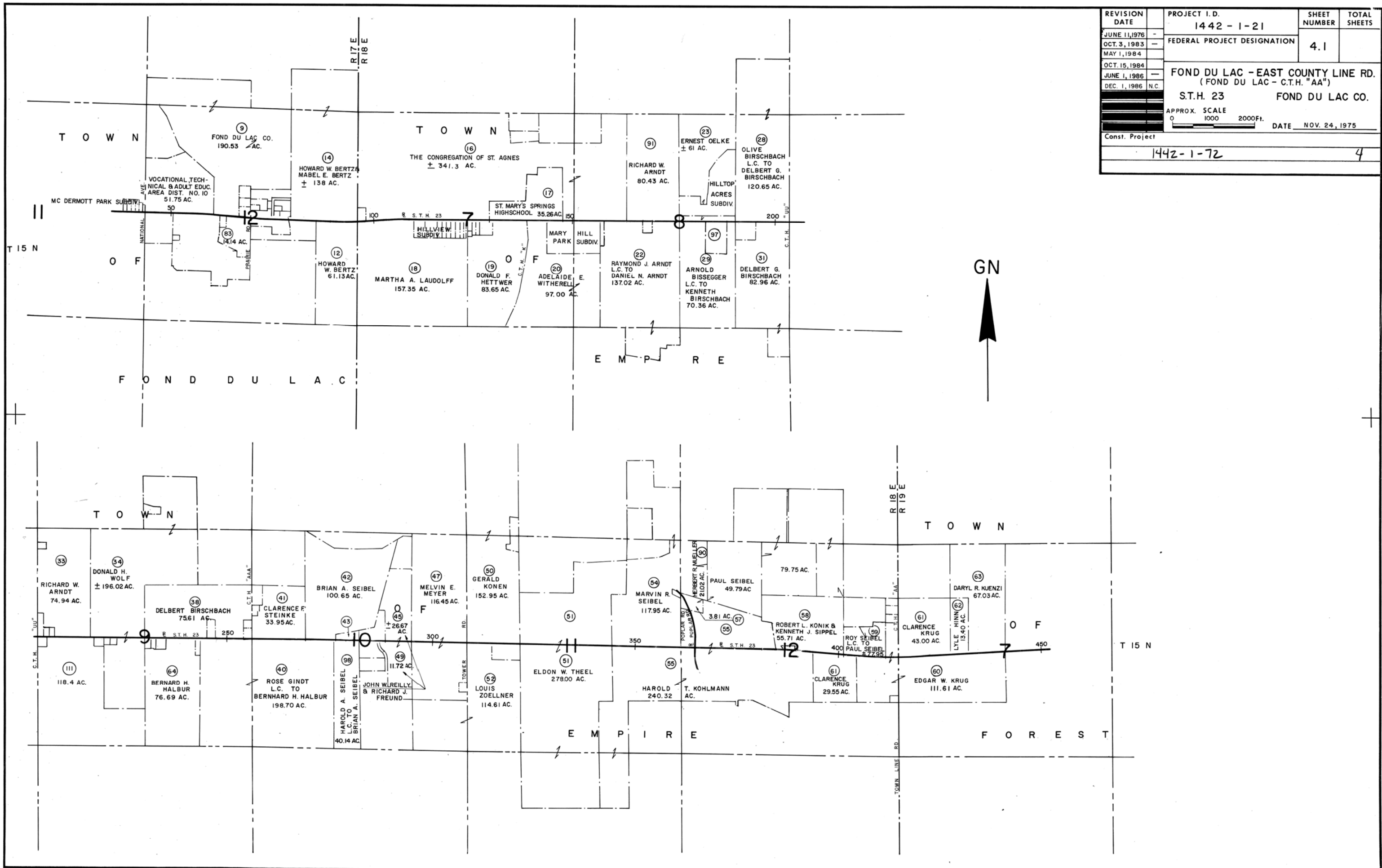
ORIGINATOR: CARRIE L. KUEHL

59.

11, 12, 13, 14, 15, 16, 17, 18, 19, 20.

LEVELS ON *

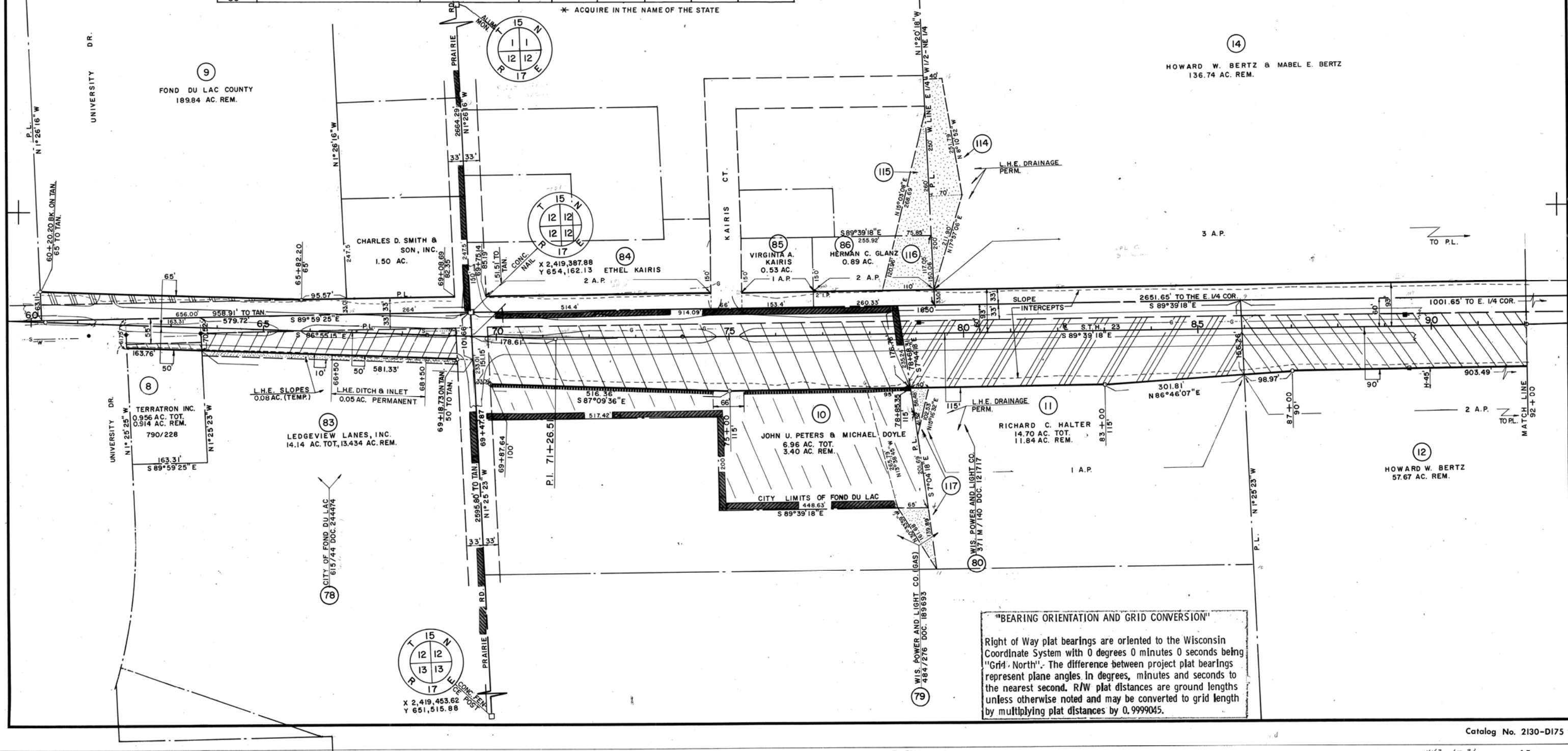
REVISION DATE	PROJECT I.D.	SHEET NUMBER	TOTAL SHEETS
JUNE 11, 1976 -	1442 - 1-21	4.1	
OCT. 3, 1983 -	FEDERAL PROJECT DESIGNATION		
MAY 1, 1984 -			
OCT. 15, 1984 -	FOND DU LAC - EAST COUNTY LINE RD.		
JUNE 1, 1986 -	(FOND DU LAC - C.T.H. "AA")		
DEC. 1, 1986 N.C.	S.T.H. 23 FOND DU LAC CO.		
	APPROX. SCALE	DATE	
	0 1000 2000 Ft.	NOV. 24, 1975	
Const. Project			
1442-1-72			4



[illegible]

PARCEL NUMBER	OWNER	INTEREST REQUIRED	L.H.E. ACRES PERM.
114 ⁽⁷⁾	HOWARD W. & MABEL E. BERTZ	L.H.E.	0.48
115 ⁽⁷⁾	ETHEL KAIRIS GRUNWALD	L.H.E.	0.23
116 ⁽⁷⁾	HERMAN C. GLANZ	L.H.E.	0.25
117 ⁽⁷⁾	RICHARD C. HALTER	L.H.E.	0.15

REVISION DATE	PROJECT I.D. 1442-1-21	SHEET NUMBER	TOTAL SHEETS
JUNE 11, 1976 -	FEDERAL PROJECT DESIGNATION	4.3	
OCT. 3, 1983 -			
MAY 1, 1984 N.C.			
OCT. 15, 1984 -	PLAT OF RIGHT OF WAY REQUIRED		
JUNE 1, 1986 N.C.			
DEC. 1, 1986 -	S.T.H. 23	FOND DU LAC CO.	
	SCALE 0 100 200 Ft.	DATE NOV. 24, 1975	
	Const. Project		
	1442-1-72		4.1



P.I. = 95+23.06
X 2,421,963.90
Y 654,086.63
I = 173° 37' 45"
Δ = 6° 22' 15"
T = 318.88'
L = 637.09'
E = 8.87'
D = 1° 00'
R = 5729.58'
P.C. = 92+04.18
P.T. = 98+41.27

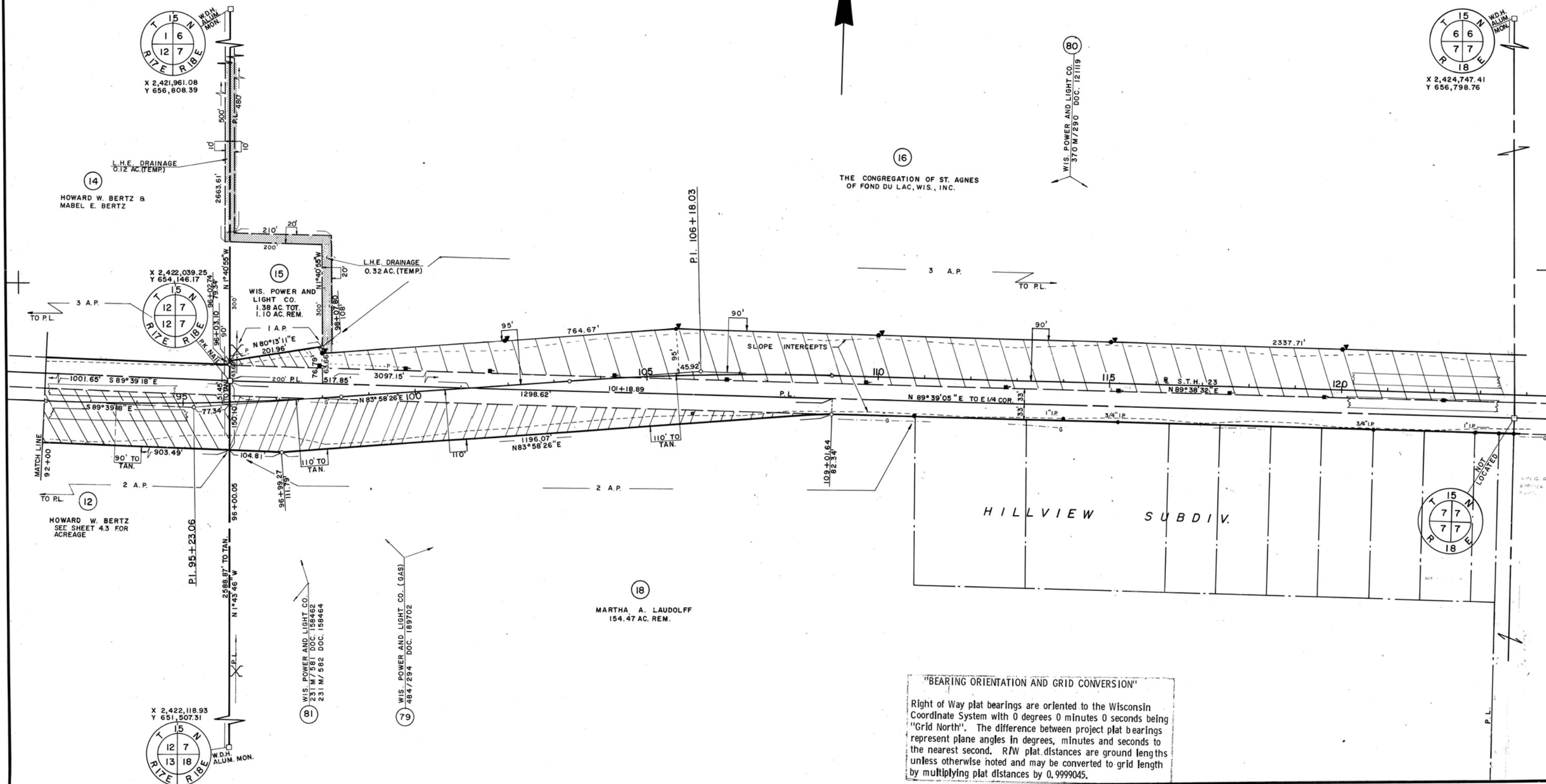
P.I. = 106+18.03
X 2,423,053.37
Y 654,201.64
I = 185° 40' 06"
Δ = 5° 40' 06"
D = 1° 00'
T = 283.65'
L = 566.83'
E = 7.02'
R = 5729.58'
P.C. = 103+34.38
P.T. = 109+01.21

SCHEDULE OF LANDS AND INTERESTS REQUIRED						
PARCEL NUMBER	OWNER	* INTEREST REQUIRED	L.H.E. ACRES	ACRES REQUIRED		TOTAL REMAINING ACRES
				NEW R/W	EXISTING R/W	
15	WIS. POWER AND LIGHT CO.	FEE, ACC. RIGHTS		0.13	0.15	0.28
16 ⁽⁶⁾	THE CONGREGATION OF ST. AGNES	FEE, ACC. RIGHTS, L.H.E.	0.49	11.38	3.91	15.29
18	MARTHA A. LAUDOLFF	FEE, ACC. RIGHTS		1.90	0.98	2.88
79	WIS. POWER AND LIGHT CO.	RELEASE OF RIGHTS				
80	WIS. POWER AND LIGHT CO.	RELEASE OF RIGHTS				
81	WIS. POWER AND LIGHT CO.	CONVEYANCE OF RIGHTS				
92 ⁽⁴⁾						

* ACQUIRE IN THE NAME OF THE STATE

GN

REVISION DATE	PROJECT I.D.	SHEET NUMBER	TOTAL SHEETS		
JUNE 11, 1976 N.C.	1442-1-21	4.4			
OCT. 3, 1983	FEDERAL PROJECT DESIGNATION				
MAY 1, 1984					
OCT. 15, 1984					
JUNE 1, 1986					
DEC. 1, 1986 N.C.					
PLAT OF RIGHT OF WAY REQUIRED					
S.T.H. 23		FOND DU LAC CO.			
SCALE 0 100 200 Ft.					
DATE NOV. 24, 1975					
Const. Project					
1442-1-72			4.2		

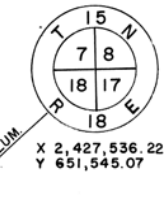
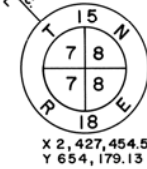
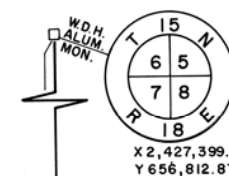
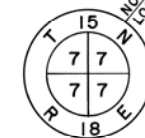
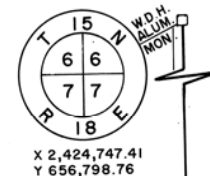


SCHEDULE OF LANDS AND INTERESTS REQUIRED								
PARCEL NUMBER	OWNER	* INTEREST REQUIRED	L.H.E. ACRES	ACRES REQUIRED		TOTAL REMAINING ACRES	OPERATIONS	PROJECT I.D.
				NEW R/W	EXISTING R/W			
17 (6)	ST. MARY'S SPRINGS HIGH SCHOOL	FEE, ACC. RIGHTS	0.74	5.47		5.47	29.79	1442-1-21
19	DONALD F. HETTWER	FEE, ACC. RIGHTS		1.06	2.05	3.11	80.54	" "
20	ADELAIDE E. WITHERELL	FEE, ACC. RIGHTS	0.10	0.26	0.51	0.77	96.23	" "
80	WIS. POWER AND LIGHT CO.	RELEASE OF RIGHTS						1442-1-41
112 (6)	" " " " " "	" " " " " "						1442-1-43

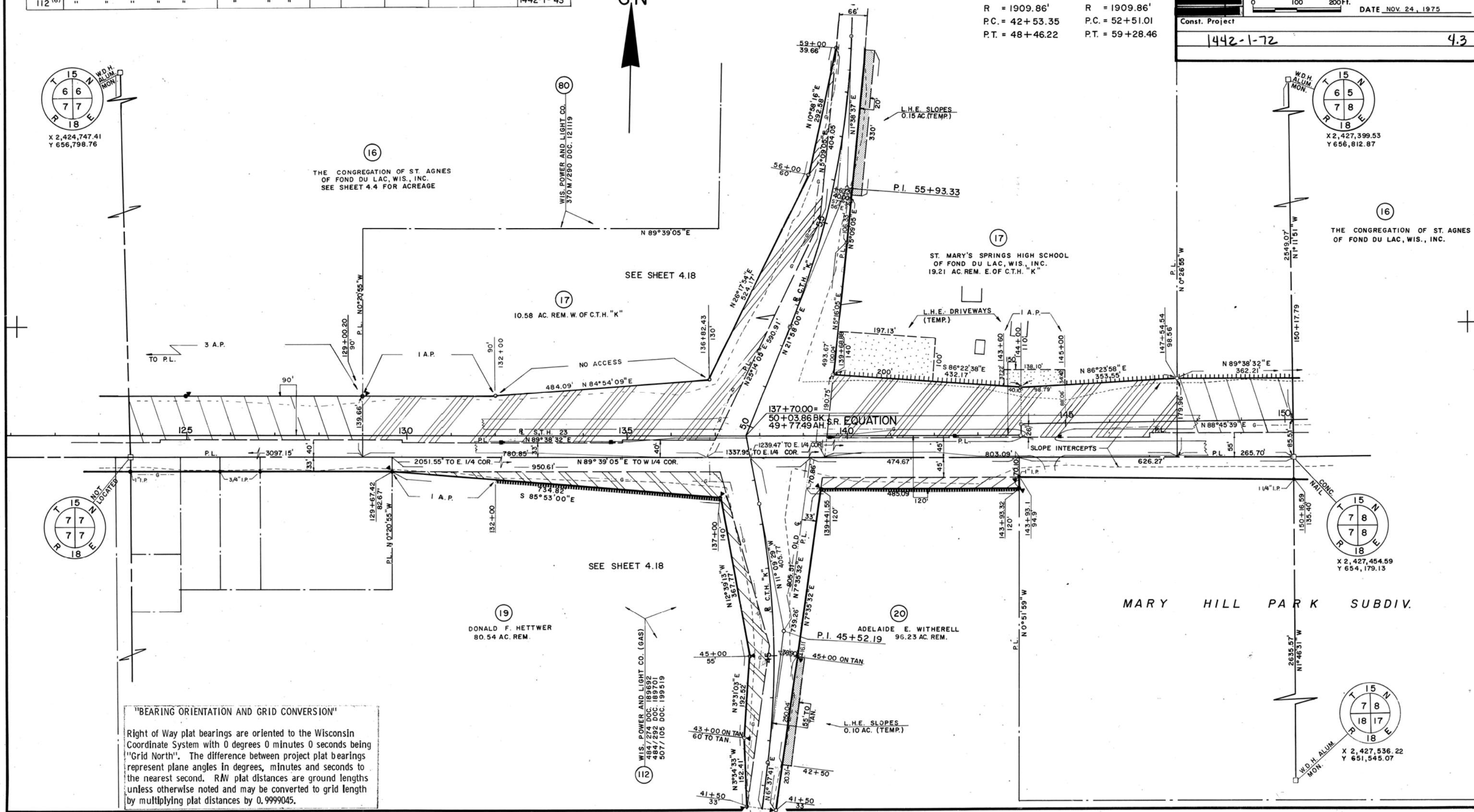
P.I. = 45+52.19
 X 2,426,293.77
 Y 653,773.52
 I = 162° 12' 50"
 Δ = 17° 47' 10"
 T = 298.86'
 L = 592.87'
 E = 23.24'
 D = 3° 00'
 R = 1909.86'
 P.C. = 42+53.35
 P.T. = 48+46.22

P.I. = 55+93.33
 X 2,426,435.79
 Y 654,792.39
 I = 159° 40' 36"
 Δ = 20° 19' 24"
 T = 342.32'
 L = 677.45'
 E = 30.44'
 D = 3° 00'
 R = 1909.86'
 P.C. = 52+51.01
 P.T. = 59+28.46

REVISION DATE	PROJECT I.D.	SHEET NUMBER	TOTAL SHEETS
JUNE 11, 1976 N.C.	1442-1-21		
OCT. 3, 1983 N.C.	FEDERAL PROJECT DESIGNATION	4.5	
MAY 1, 1984 N.C.			
OCT. 15, 1984 N.C.			
JUNE 1, 1986 N.C.			
DEC. 1, 1986 N.C.			
PLAT OF RIGHT OF WAY REQUIRED			
S.T.H. 23 FOND DU LAC CO.			
SCALE 1" = 200 FT. DATE NOV. 24, 1975			
Const. Project			
1442-1-72 4.3			



"BEARING ORIENTATION AND GRID CONVERSION"
 Right of Way plat bearings are oriented to the Wisconsin Coordinate System with 0 degrees 0 minutes 0 seconds being "Grid North". The difference between project plat bearings represent plane angles in degrees, minutes and seconds to the nearest second. RW plat distances are ground lengths unless otherwise noted and may be converted to grid length by multiplying plat distances by 0.9999045.



STATE PROJECT NUMBER	SHEET NO.
1442-01-72	5
1442-01-74	

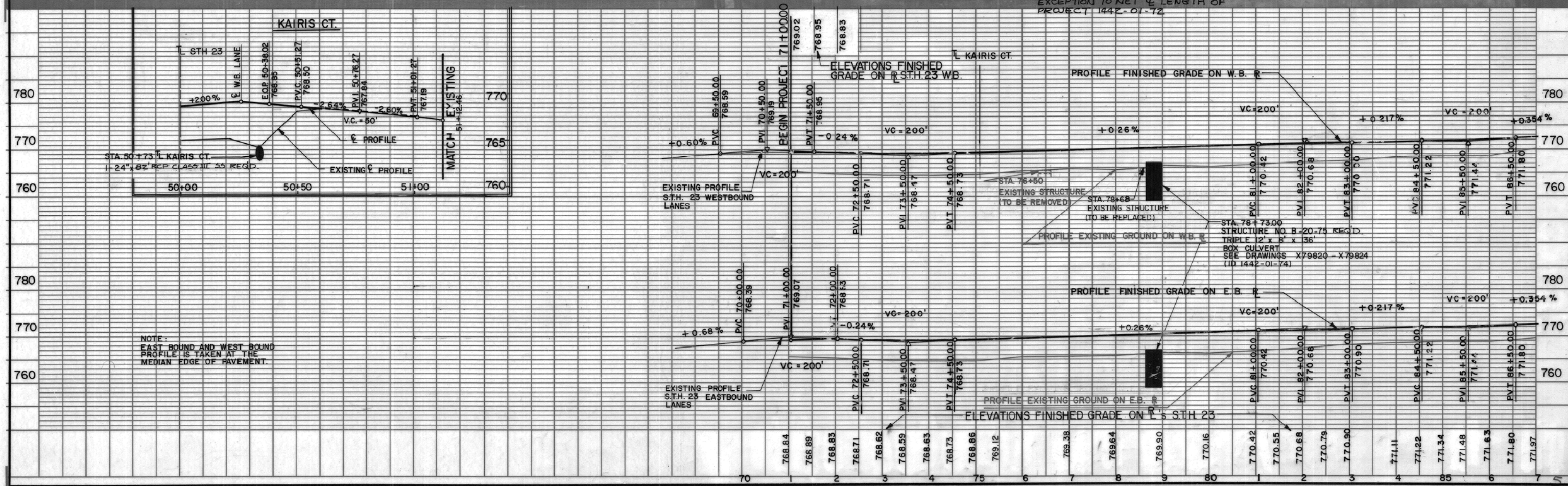
SCALES
HORIZ. 1" = 100'
VERT. 1" = 10'

CURVE DATA
PI = 71+26.51
D = 0° 30' 00"
Δ = 2° 14' 03"
T = 273.47'
L = 546.83'
R = 11459.16'
PC = 69+53.04
PT = 73+99.87

NOTE:
FOR INTERSECTION LAYOUT
OF S.T.H. 23 AND KAIRIS CT.
SEE 20 SCALE DETAIL SHEET

PROJECT 1442-01-74
STA. 78+53.50 - 78+92.50
B-20-75
EXCEPTION TO NET LENGTH OF
PROJECT 1442-01-72

NOTE:
ALL UTILITY LINE LOCATIONS AND ELEVATIONS SHOWN
ARE APPROXIMATE AND ARE TO BE FIELD VERIFIED
BEFORE DIGGING, BORING, OR GRADING.



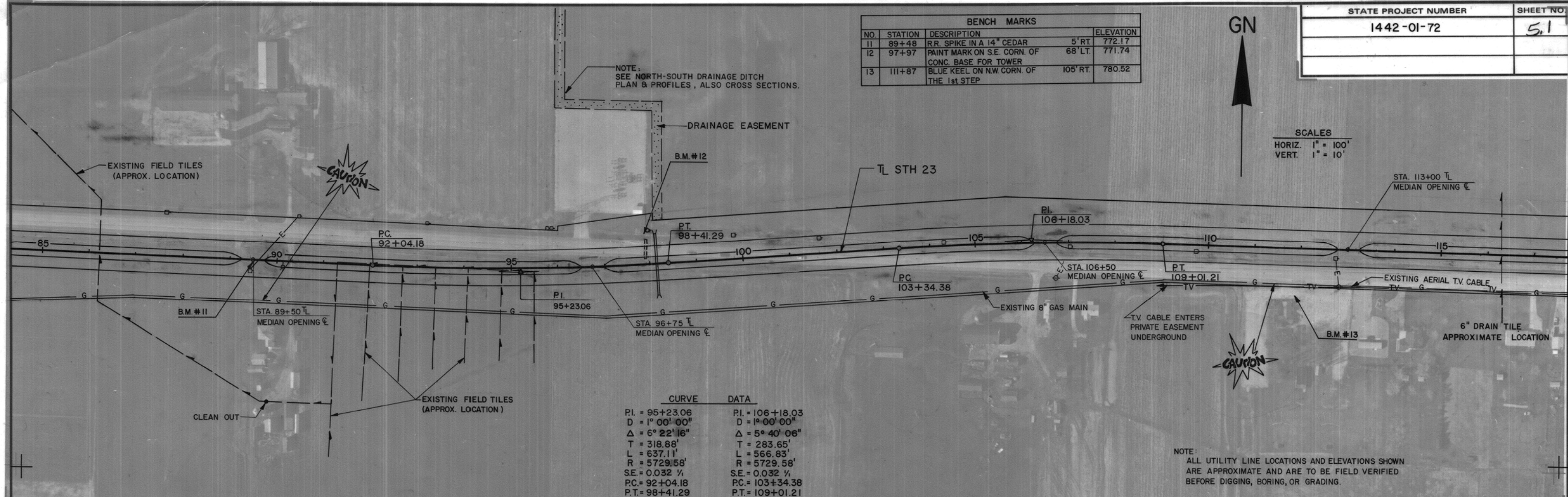
BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEVATION
11	89+48	R.R. SPIKE IN A 14" CEDAR	5' RT. 772.17
12	97+97	PAINT MARK ON S.E. CORN. OF CONC. BASE FOR TOWER	68' LT. 771.74
13	111+87	BLUE KEEL ON N.W. CORN. OF THE 1st STEP	105' RT. 780.52

STATE PROJECT NUMBER	SHEET NO.
1442-01-72	5.1

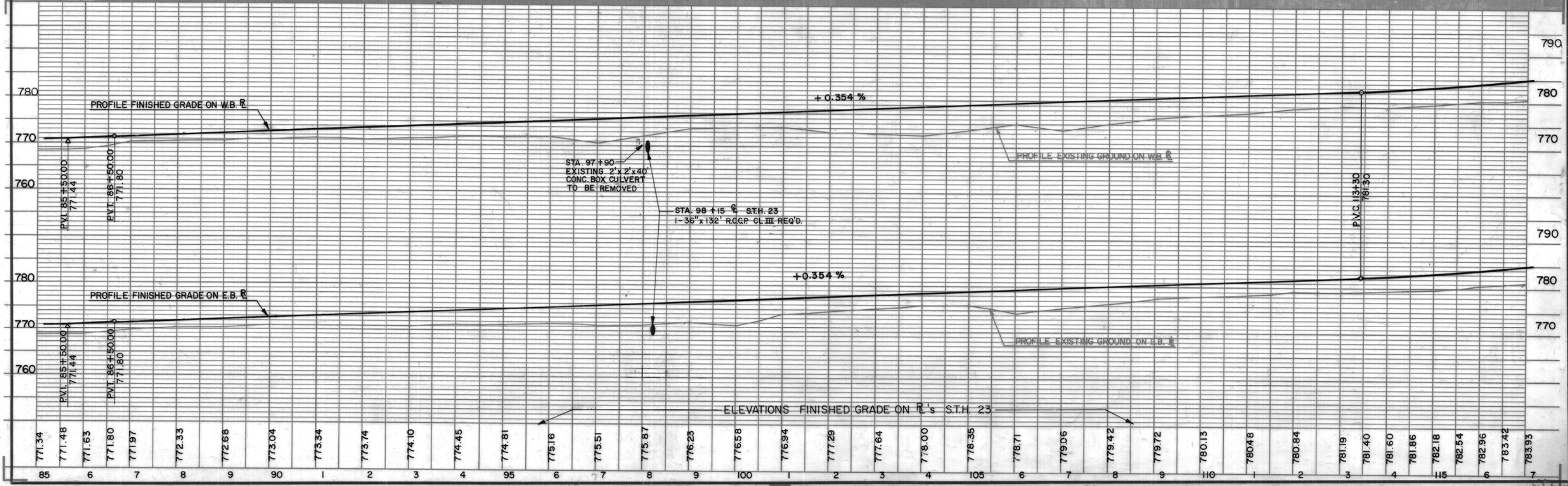


SCALES
HORIZ. 1" = 100'
VERT. 1" = 10'

NOTE:
SEE NORTH-SOUTH DRAINAGE DITCH
PLAN & PROFILES, ALSO CROSS SECTIONS.



NOTE:
ALL UTILITY LINE LOCATIONS AND ELEVATIONS SHOWN
ARE APPROXIMATE AND ARE TO BE FIELD VERIFIED
BEFORE DIGGING, BORING, OR GRADING.



BENCH MARKS				
NO.	STATION	DESCRIPTION		ELEVATION
14	128+95	R.R. SPIKE IN 14" ASH	102' RT.	808.91
15	137+65	" " " 36" POPLAR	145' RT.	838.08
16	143+70	" " " 7" HICKORY	25' LT.	876.85

SCALES
HORIZ. 1" = 100'
VERT. 1" = 10'

NOTE:
FOR INTERSECTION LAYOUT
OF STH 23 AND CTH "K"
SEE 20 SCALE DETAIL SHEETS.

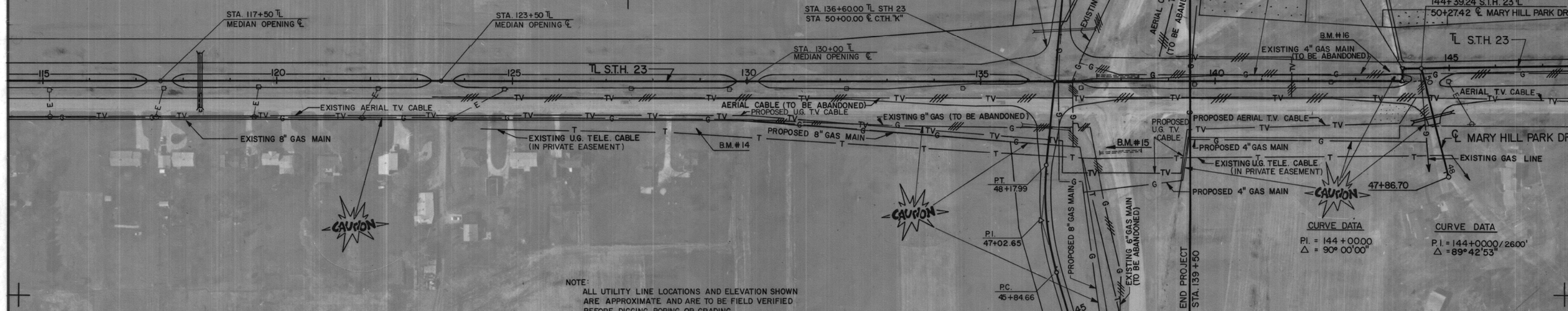
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STATE PROJECT NUMBER

1442-01-72

SHEET NO.

52



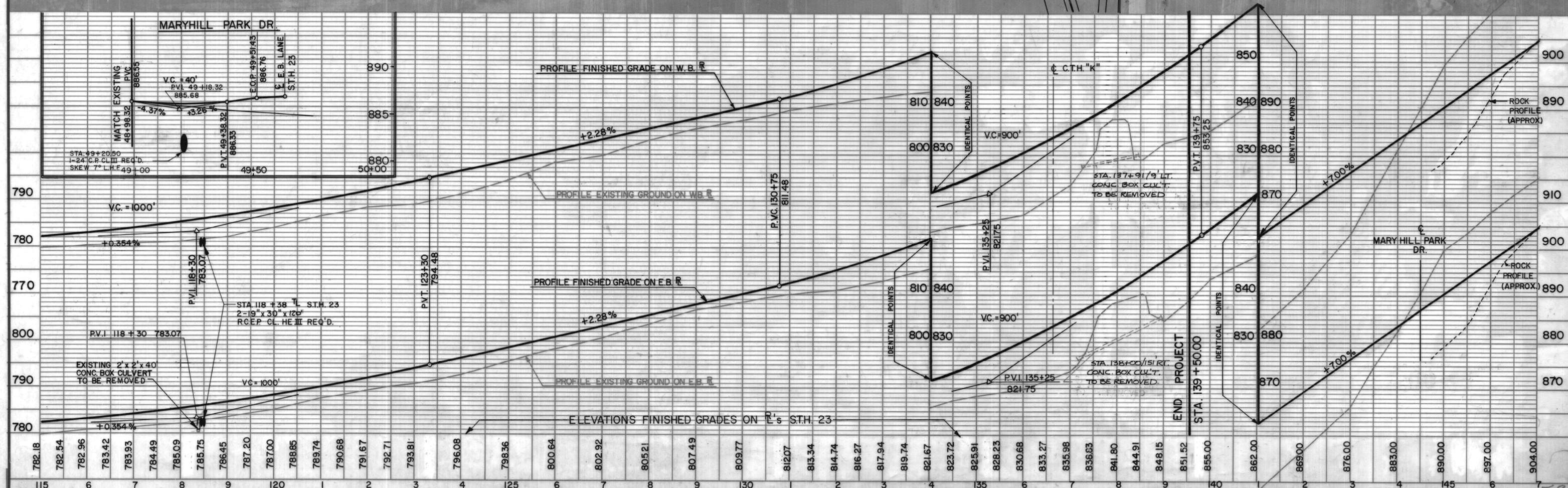
NOTE:
ALL UTILITY LINE LOCATIONS AND ELEVATION SHOWN
ARE APPROXIMATE AND ARE TO BE FIELD VERIFIED
BEFORE DIGGING, BORING, OR GRADING.

CURVE DATA

P.I. = 144+00.00
 $\Delta = 90^\circ 00' 00''$

CURVE DATA

P.I. = 144+00.00 / 2600'
 $\Delta = 89^\circ 42' 53''$



NOTE:
FOR INTERSECTION LAYOUT OF
S.T.H. "23" AND C.T.H. "K" SEE 20-
SCALE DETAIL SHEETS

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEVATION
15	137+65	R.R. SPIKE IN 36" POPLAR	145' RT. 838.08
16	143+70	" " " " 7" HICKORY	25' LT. 876.85

CURVE 100 DATA
P.I. = 40+74.41
D = 9° 00' 00"
Δ = 24° 07' 58"
T = 136.09
L = 268.14'
R = 636.62'
E = 14.38'

CURVE 110 DATA
P.I. = 47+02.65
D = 9° 00' 00"
Δ = 21° 00' 00"
T = 117.99'
L = 233.33'
R = 636.62'
E = 10.84'

CURVE 200 DATA
P.I. = 53+35.00
D = 10° 00' 00"
Δ = 27° 00' 00"
T = 137.55'
L = 270.00'
R = 572.96'
E = 16.28'

CURVE 210 DATA
P.I. = 59+31.96
D = 10° 00' 00"
Δ = 30° 21' 23"
T = 155.43'
L = 303.56'
R = 572.96'
E = 20.71'

NOTE:
FOR SCHOOL ENTRANCE DRIVE LAYOUT
SEE 20-SCALE DETAIL SHEET

