

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION PLAN OF PROPOSED IMPROVEMENT

STATE PROJECT		FEDERAL PROJECT
6999-01-69	STP 9410(0)	1
6999-01-74		

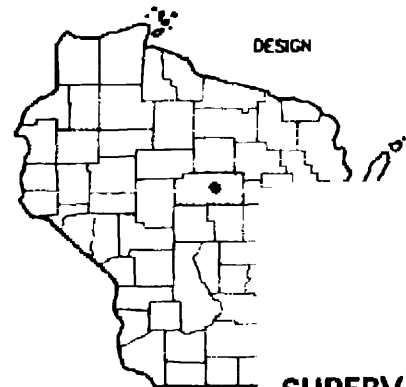
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Sheet No. 34-36	Construction Specifications
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Sheet No. 6-6.14	Construction Specifications
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Sheet No. 9.2-9.27	Construction Specifications

TOTAL SHEETS 80

CAMP PHILLIPS ROAD
(SCHOFIELD AVE - E. BERNARD AVE)
LOCAL ROAD
TOWN OF WESTON
MARATHON COUNTY

CAMP PHILLIPS ROAD
(SCHOFIELD AVE - E. BERNARD AVE)
UTILITY WORK
TOWN OF WESTON
MARATHON COUNTY



STATE PROJECT NUMBER
6999-01-69

STATE PROJECT NUMBER
6999-01-74

AS BUILT PLAN

SUPERVISOR HARVEY SMEKRUD

PROJECT MGR. CRAIG SMITS

CONTRACTOR MUSSON BROTHERS

DATE STARTED 05-15-95

DATE COMPLETED 08-21-95

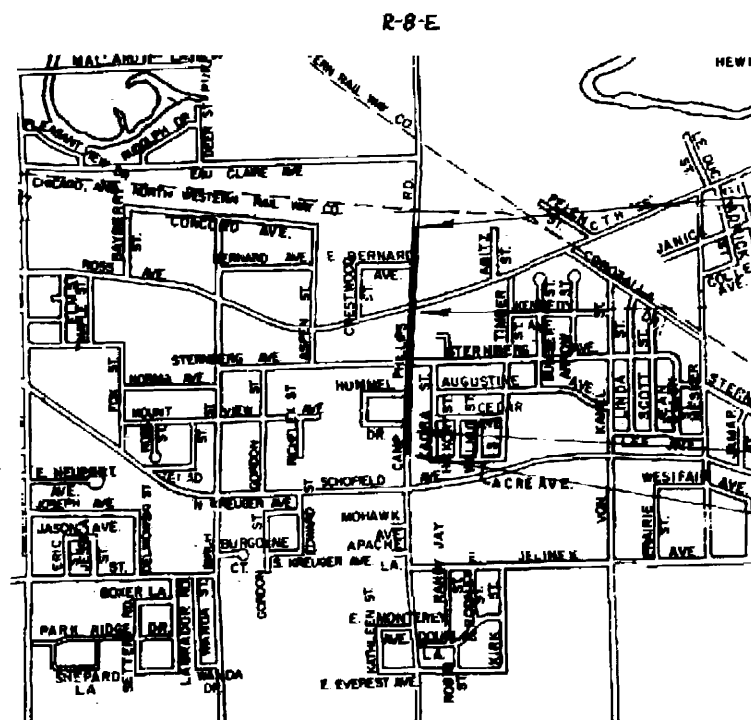
Design Designation

A.D.T. 1985	= 3925
A.D.T. 2010	= 5200
D.H.V.	= N/A
D	= .5
T. %ADT	= 6.6%
V. DESIGN	= 30MPH
ESALS (20yr)	= 737.3C

Conventional Signs

COUNTY LINE	-----
CORPORATE LIMITS	=====
PROPERTY LINE	-----
LOT LINE	-----
LIMITED HIGHWAY EASEMENT	-----
EXISTING RIGHT OF WAY	-----
NEW RIGHT OF WAY	=====
SURVEY LINE	-----
SLOPE INTERCEPT	-----
ORIGINAL GROUND	-----
MARSH OR ROCK PROFILE	-----
CULVERT IN PLACE	-----
PROPOSED CULVERT	-----
CULVERT	-----

COMBUSTIBLE FLUIDS	-----
UNDERGROUND UTILITIES	-----
GAS	-----
ELECTRIC	-----
TELEPHONE	-----
SERVICE PEDESTAL	-----
CABLE MARKER	-----
POWER POLE	-----
TELEPHONE POLE	-----
RAILROAD	-----
MARSH AREA	-----
WOODED AREA	-----



END PROJECT 6999-01-69
STA. 43CP+10
N 394,239.28
E 2,110,822.75

END PROJECT 6999-01-74
STA. 32CP+80

BEGIN PROJECT 6999-01-74
STA. 14CP+78

BEGIN PROJECT 6999-01-69
STA. 12CP+83.60
N 391,216.39

CONSTRUCTION STAFF (NAME/RESPONSIBILITIES)

CRAIG SMITS / PROJECT ENGINEER

LEE GILHAUSEN / MATERIALS TESTING

DON SMITH (TOWN OF WESTON) /

INSPECTOR

TOWN OF WESTON
BY
1-3-95 Thaddeus J. Spu
PLANNING PLANS PREPARED BY
BECHER-HOPPE ASSOC., Inc.
WISCONSIN PROFESSIONAL ENGINEER
1-3-95

TE OF WISCONSIN
IT OF TRANSPORTATION

E.N. BENISCH

Layout
SCALE 1" = 100' FEET
TOTAL NET LENGTH OF CENTERLINE = 0.560 MI. (6999-01-69)
0.000 MI. (6999-01-74)
TOTAL 0.560 MI.

MARATHON

6999-1-69,74

87 8.1

STATE PROJECT NUMBER	SHEET NO.
6999-01-69, 74	2.0
GENERAL NOTES & STANDARD ABRV.	
STAND. DET. DRAWINGS / UTILITIES	
LOCAL STREET	MARATHON COUNTY

GENERAL NOTES

CURVE DATA IS BASED ON THE ARC DEFINITION.

BEARINGS SHOWN ON THE PLAN ARE TRUE BEARINGS TO THE NEAREST SECOND.

GRID DISTANCE = 0.999905 X GROUND DISTANCE.

GROUND DISTANCE = 1.000095 X GRID DISTANCE.

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

TEMPORARY LIMITED EASEMENTS (T.L.E.) TO CONSTRUCT ENTRANCES AND TO BLEND SLOPES HAVE BEEN OBTAINED FOR THE DURATION OF THIS PROJECT.

PURSUANT TO CHAPTER 59 OF THE WISCONSIN STATUTES, THE CONTRACTOR SHALL CAREFULLY MAKE A SEARCH FOR EVIDENCE OF A LANDMARK IN ALL AREAS WHERE SUCH A LANDMARK MAY EXIST.

PAVING LIMITS AT INTERSECTIONS ARE TO BE DETERMINED IN THE FIELD BY THE ENGINEER AND SHALL HAVE BUTT JOINTS.

ALL CONSTRUCTION AREAS WITHIN THE RIGHT OF WAY, NOT COVERED BY SUITABLE GRASS, (EXCLUDING THE ROADBED, WOODS, ETC.) SHALL BE FERTILIZED, SEEDED AND MULCHED. THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEDING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY HIS OPERATIONS OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS.

ALL RADII SHOWN ON THE PLAN ARE TO THE FACE OF CURBS.

THE EXACT LOCATION OF PRIVATE ENTRANCES IS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

SODDING TO BE FINISHED 1" BELOW ADJACENT CONCRETE

LIST OF STANDARD ABBREVIATIONS

AHD., AH.	AHEAD
A.E.	APRON ENDWALL
ASPH.	ASPHALTIC
BK.	BACK
B.M., BM.	BENCH MARK
CL. C/L	CENTER LINE
C-C	CENTER TO CENTER
CL.	CLASS
C.E.	COMMERCIAL ENTRANCE
CONC.	CONCRETE
C.M.C.P.	CORRUGATED METAL CULVERT PIPE
C.S.C.P.	CORRUGATED STEEL CULVERT PIPE
CR. AGG.	CRUSHED AGGREGATE
C.P.	CULVERT PIPE
C & G	CURB AND GUTTER
D	DEGREE OF CURVE
DIS.	DISTANCE
DISCH	DISCHARGE
EL., ELEV.	ELEVATION
E.B.S.	EXCAVATION BELOW SURFACE
EXIST.	EXISTING
EXP.	EXPAND (ED), EXPANSION
FT, FT./FT.	FOOT PER FOOT
GR.	GRAVEL
H.E.S.	HIGH EARLY STRENGTH
CWT.	HUNDRED WEIGHT
IN.	INCH
L	LENGTH OF CURVE
L.F.	LINEAR FOOT
L.C.	LONG CHORD
M.H.	MANHOLE
M/L, ML	MATCH LINE, MAIN LINE
MAX.	MAXIMUM
MIN.	MINIMUM
MOD.	MODIFIED
M.Q.	MISCELLANEOUS QUANTITIES
N.B.	NORTH BOUND
NOR.	NORMAL
N.C.	NORMAL CROWN OR NO CHANGE
O.C.	ON CENTER
PAYT	PAVEMENT
P.C.	POINT OF CURVATURE
P.I.	POINT OF INTERSECTION
P.T.	POINT OF TANGENCY
P.O.C.	POINT ON CURVE
V.P.C.	VERTICAL POINT OF CURVE
V.P.I.	VERTICAL POINT OF INTERSECTION
V.P.T.	VERTICAL POINT OF TANGENCY
PCC	POINT OF COMPOUND CURVE
P.C.C.	PORTLAND CONCRETE CEMENT
P.E.	PRIVATE ENTRANCE
R	RADIUS OR RANGE
REIN.	REINFORCED
R.C.C.P.	REINFORCED CONCRETE CULVERT PIPE
R.C.P.S.S.	REINFORCED CONCRETE PIPE STORM SEWER
REQ'D.	REQUIRED
R/W, R-O-W	RIGHT OF WAY
R.O., RO	RUN OUT
SAN.	SANITARY SEWER
SHLDR., SHLD.	SHOULDER(S)
S.S., SS	STORM SEWER
S.E.	SUPERELEVATION, SOUTHEAST
T, TAN	TANGENT
TEMP.	TEMPORARY
T.L.E.	TEMPORARY LIMITED EASEMENT
UNCL.	UNCLASSIFIED
VAR.	VARIABLE
V.C.	VERTICAL CURVE
?	DEFLECTION ANGLE

STANDARD DETAIL DRAWINGS

8A5-10a/b	INLET COVERS
8A5-10d	INLET AND MANHOLE COVERS
8B6-3	MANHOLES, TYPE 1
8B7-3	MANHOLES, TYPES 2 AND 3
8C1-5	INLETS, TYPES 1, 2, 3 AND 4
8D1-11	CONCRETE CURB, CONCRETE CURB AND GUTTER AND PAVEMENT TIES
8D5-800	CURB RAMPS
8E8-2	TYPICAL INSTALLATIONS OF EROSION BALES
8E9-4	SILT FENCE
15C2-2	BARRICADES AND TRAFFIC CONTROL FOR ROAD CLOSURES
15C7-4a	PAVEMENT MARKING SYMBOLS
15C8-6a	PAVEMENT MARKING (MAINLINE)
15C8-6d	PAVEMENT MARKING (ISLANDS, STOP LINE & CROSS WALK)
15C8-6b	PAVEMENT MARKING (INTERSECTIONS)

UTILITIES

CROWN CABLE
400 SCOTT STREET
P.O. BOX 1818
WAUSAU, WI 54401
ATTN: MR. GRAY LANDWEHR
TEL: (715) 845-4222

WISCONSIN PUBLIC SERVICE CORP.
P.O. BOX 1166
WAUSAU, WI 54401
ATTN: MR. OTTO MARQUARDT
TEL: (715) 848-7315

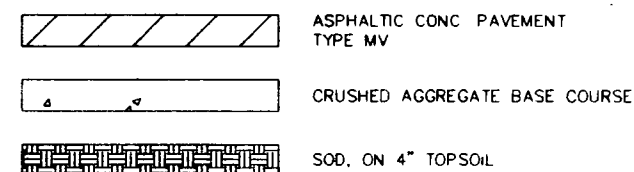
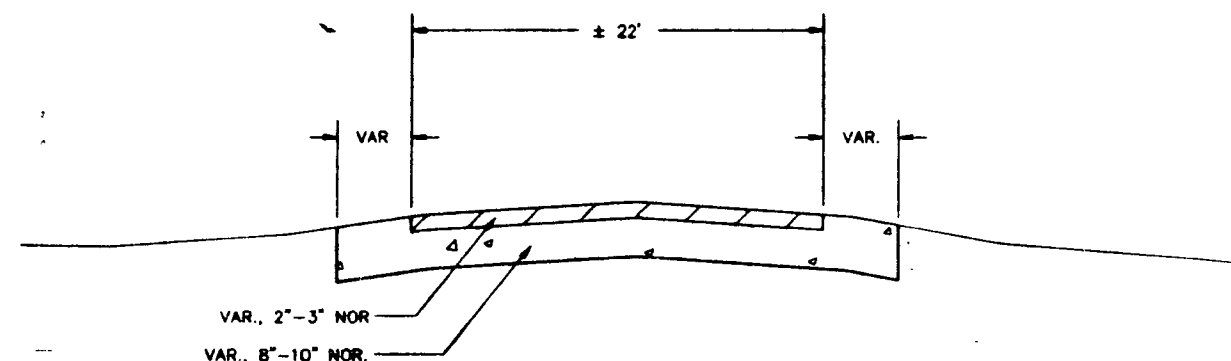
GTE NORTH INCORPORATED
202 CALLON STREET
WAUSAU, WI 54401
ATTN: MR. RON KOLTON
TEL: (715) 847-1511

WISCONSIN FUEL & LIGHT CO.
211 FOREST STREET
P.O. BOX 1627
WAUSAU, WI 54402
ATTN: MR. WILLIAM R. WHITE
TEL: (715) 847-6226

TOWN OF WESTON
5500 SCHOFIELD AVENUE
WESTON, WI 54476
ATTN: MARK W. THOMPSON
DIRECTOR OF PUBLIC WORKS
TEL: (715) 359-6114

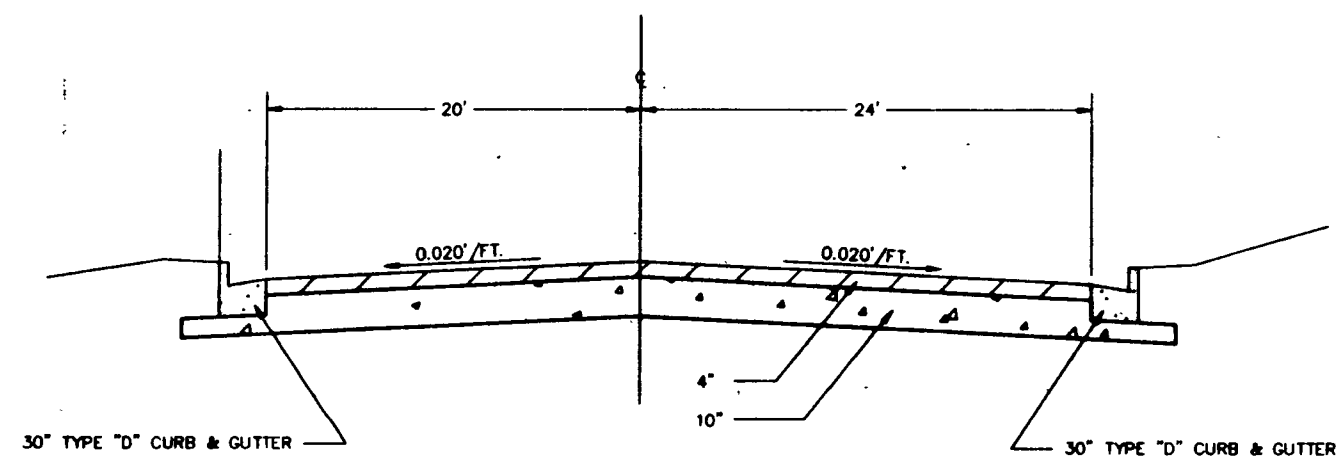


STATE PROJECT NUMBER	SHEET NO.
699-01-69	2.1
TYPICAL SECTIONS CAMP PHILLIPS ROAD	
LOCAL STREET	MARATHON COUNTY



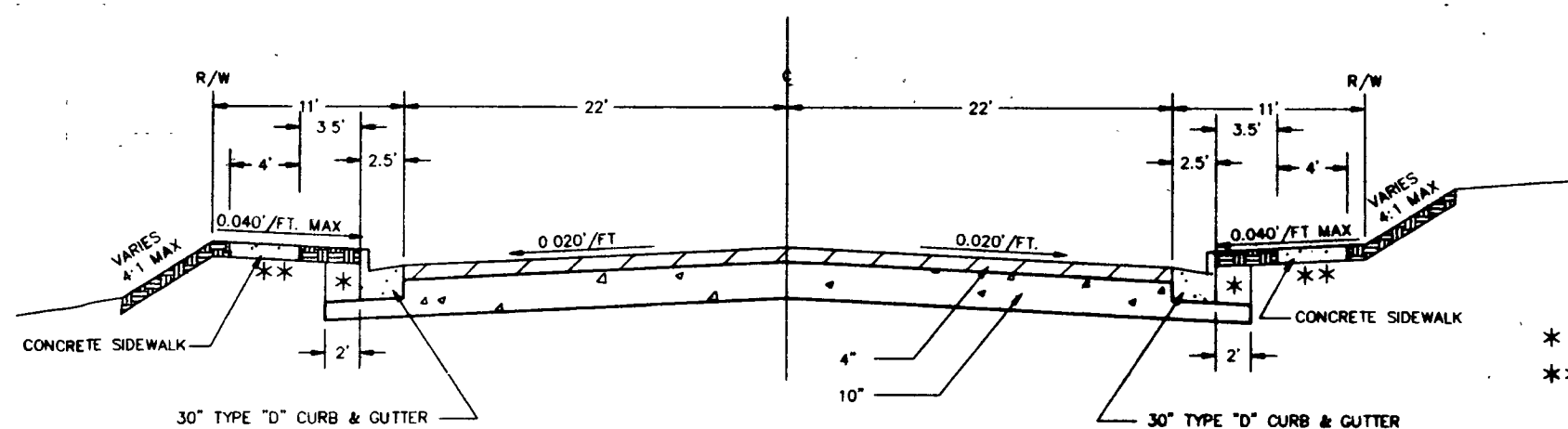
EXISTING TYPICAL SECTION CAMP PHILLIPS ROAD

STA. 13CP+52.5 TO STA. 31CP+50
STA. 35CP+90 TO STA. 44CP+00

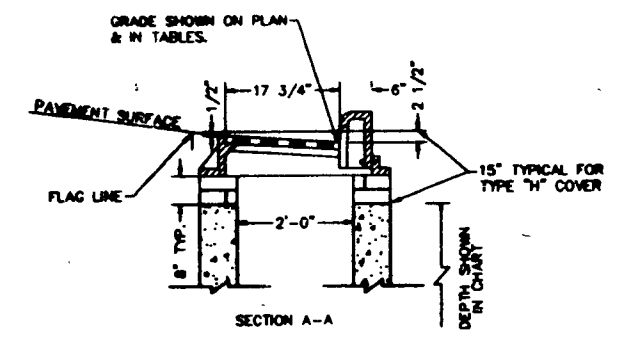
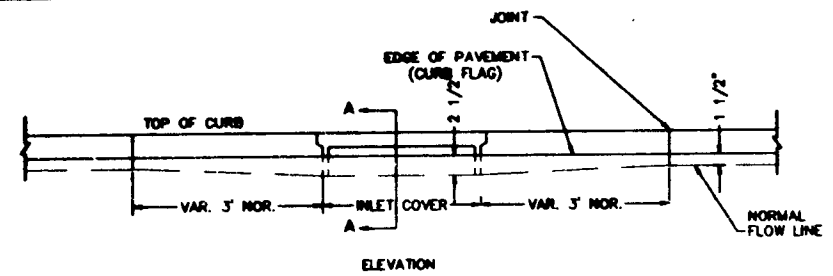
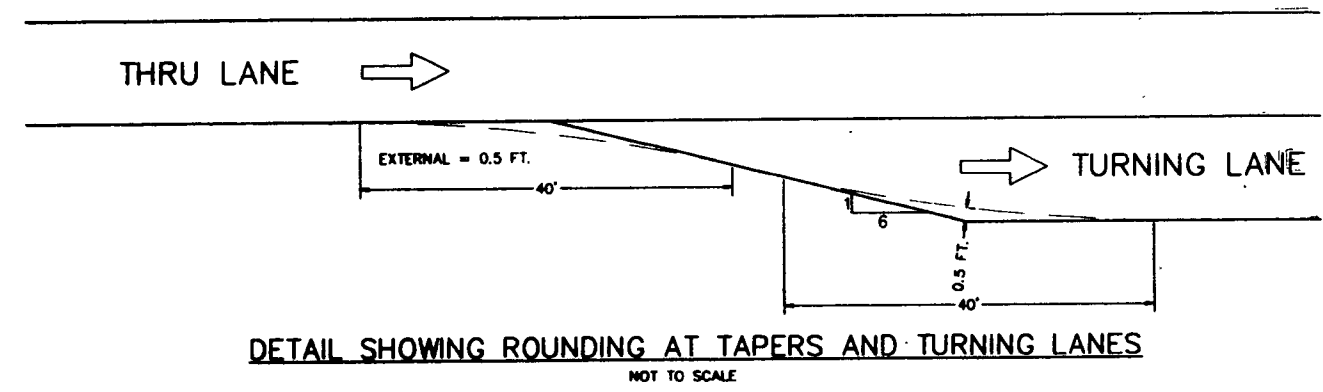
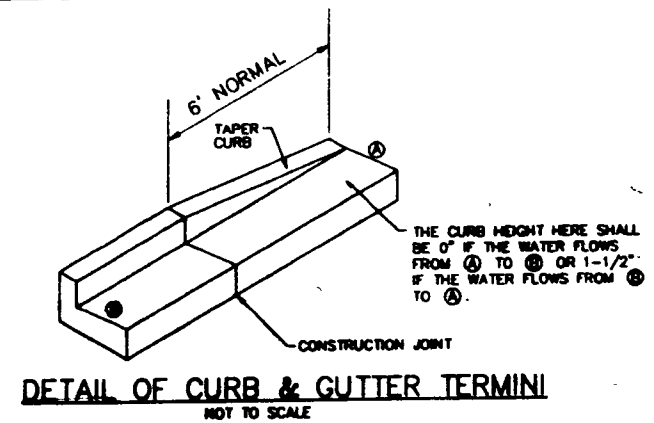


EXISTING TYPICAL SECTION CAMP PHILLIPS ROAD

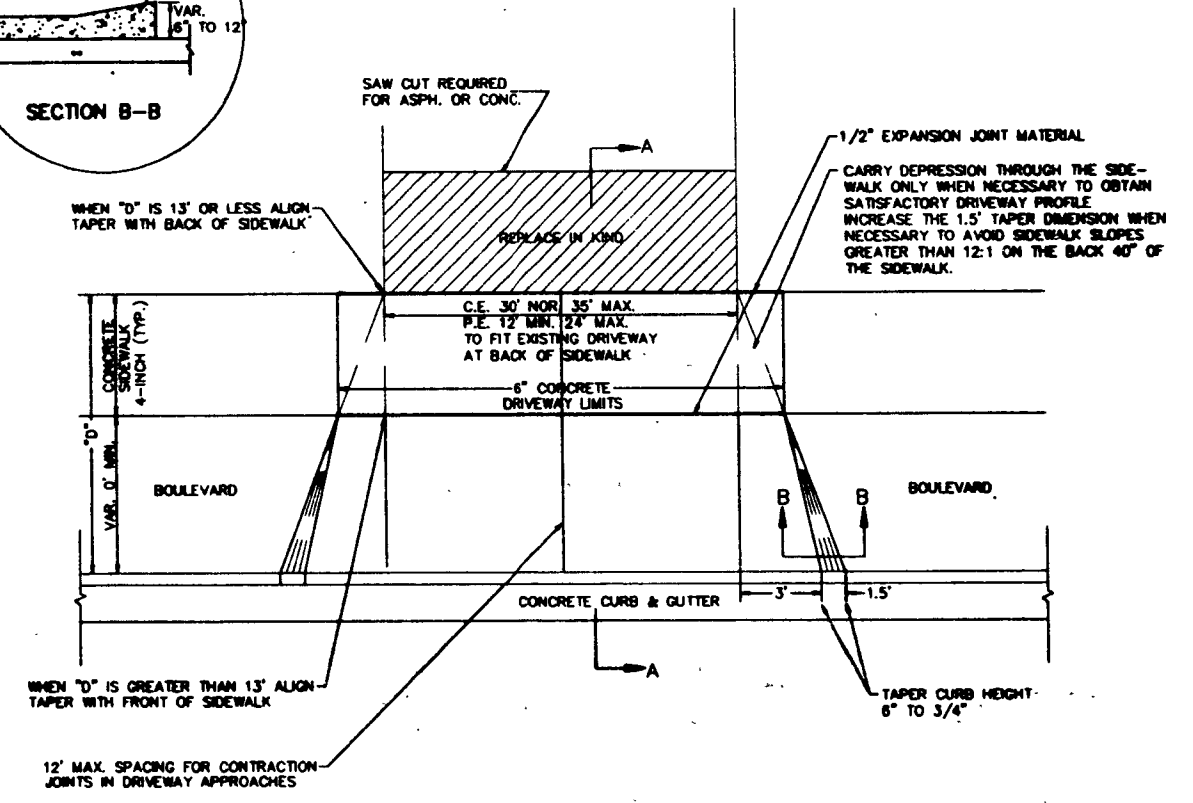
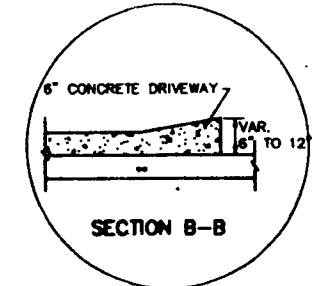
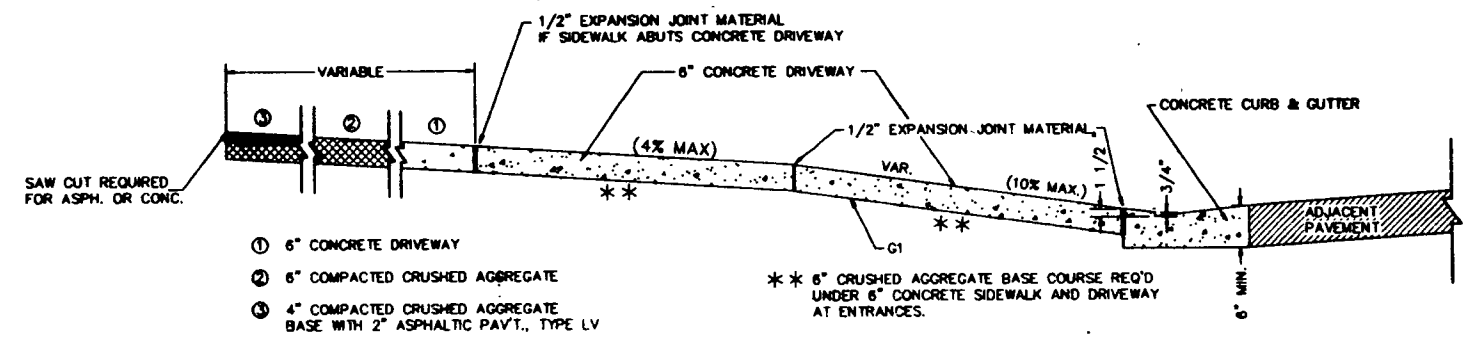
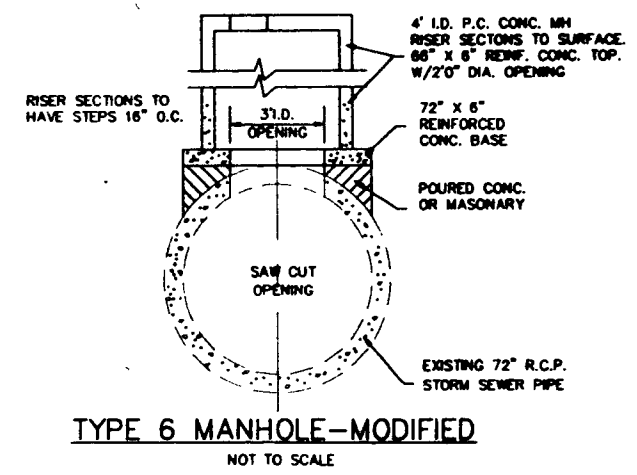
STA. 31CP+50 TO STA. 35CP+90

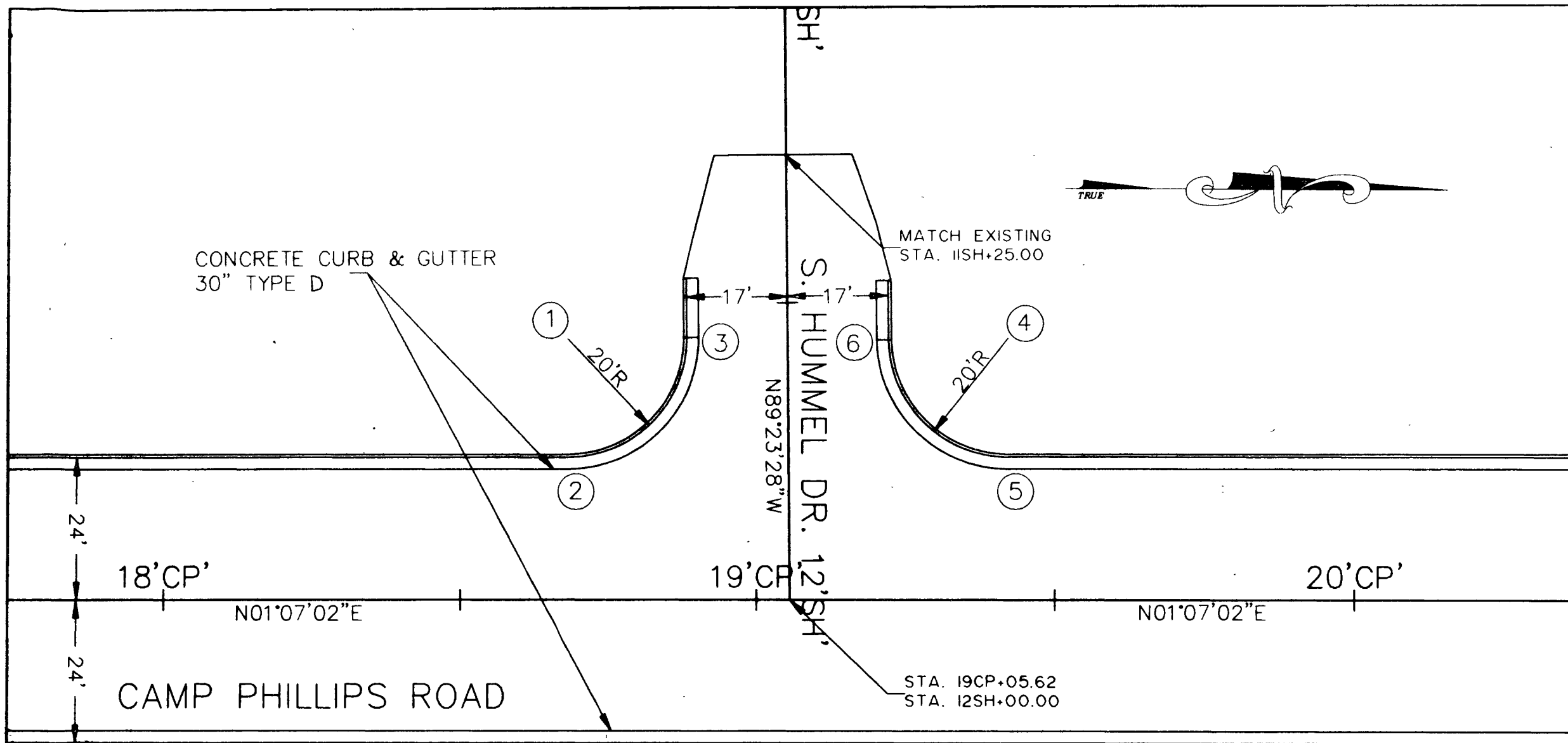


- * BACKFILL WITH SUITABLE MATERIAL
- ** 6" CRUSHED AGGREGATE BASE COURSE REQ'D UNDER 6" CONCRETE SIDEWALK AND DRIVEWAY AT ENTRANCES



DETAIL OF CURB & GUTTER AT INLETS
NOT TO SCALE



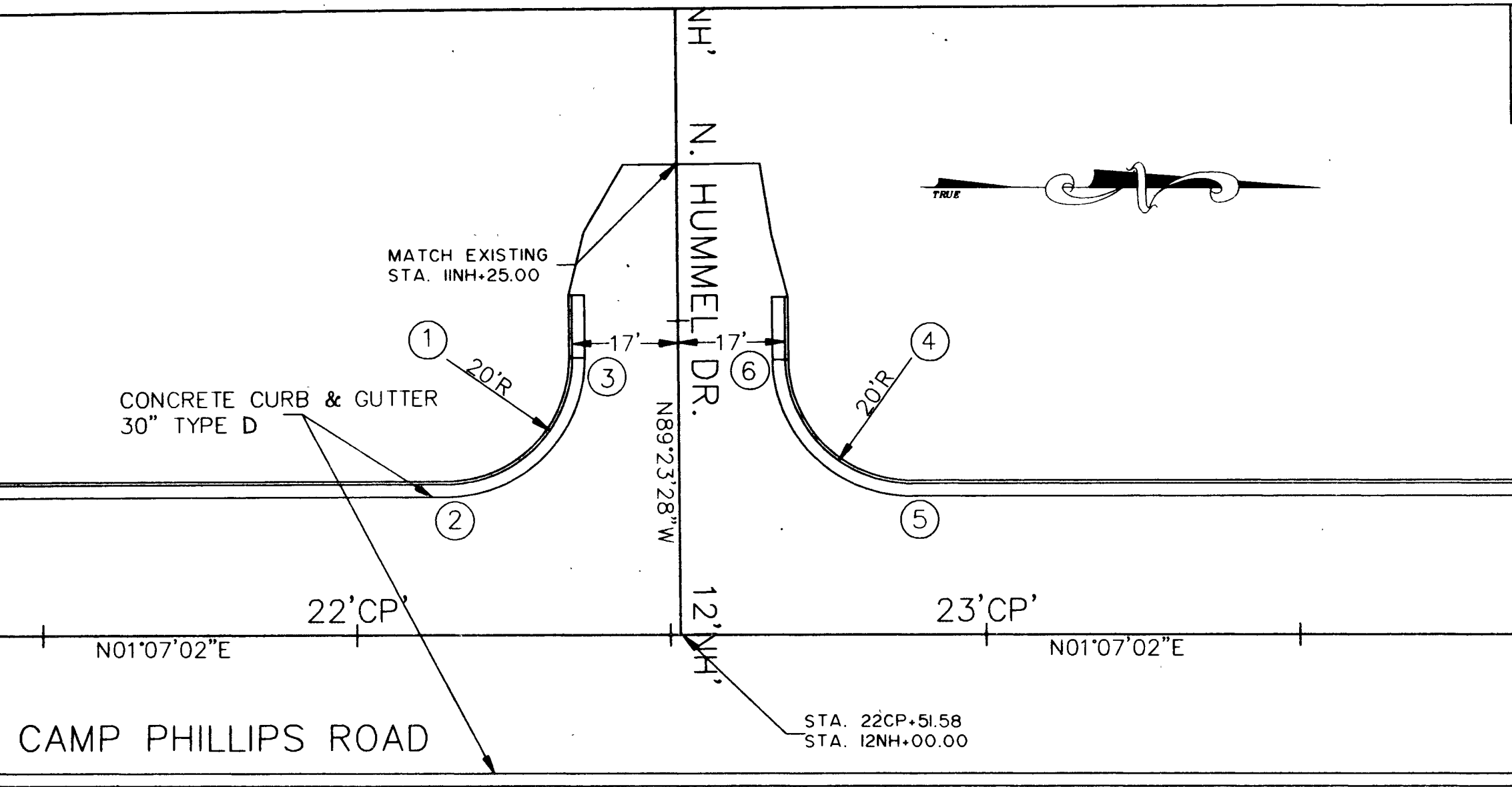


GENERAL NOTES

- ALL DIMENSIONS ARE MEASURED
FACE OF CURB TO FACE OF CURB.
- STATION/OFFSETS AND COORDINATES
SHOWN IN DATA TABLES ARE LOCATED
AT THE FACE OF CURB OR CENTER
OF THE CURVE.

NO.	STATION	OFFSET	STATION	OFFSET	Y	X	RADIUS
1	18CP+68.22	44.00' LT	11SH+55.67	37.00' RT	391801.565	2110662.242	20'
2	18CP+68.22	24.00' LT	11SH+75.67	37.18' RT	391801.175	2110682.238	20'
3	18CP+88.22	44.18' LT	11SH+55.67	17.00' RT	391821.564	2110662.454	20'
4	19CP+42.23	44.00' LT	11SH+56.33	37.00' RT	391875.554	2110663.684	20'
5	19CP+42.23	24.00' LT	11SH+76.33	36.82' RT	391875.174	2110683.181	20'
6	19CP+22.23	43.82' LT	11SH+56.33	17.00' RT	391856.055	2110663.477	20'

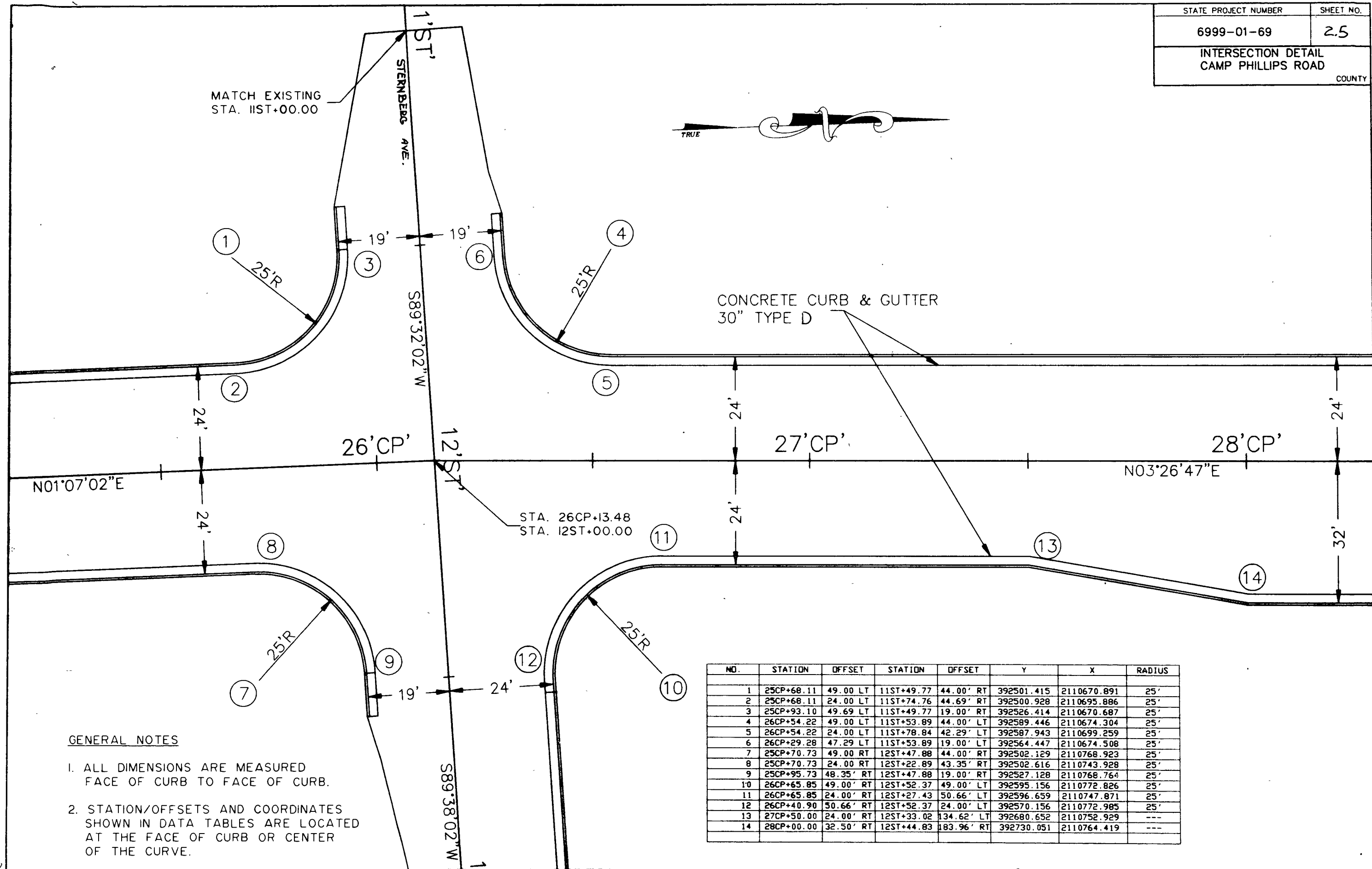
STATE PROJECT NUMBER	SHEET NO.
6999-01-69	2.4
INTERSECTION DETAIL CAMP PHILLIPS ROAD	
LOCAL STREET	MARATHON COUNTY



GENERAL NOTES

1. ALL DIMENSIONS ARE MEASURED
FACE OF CURB TO FACE OF CURB.
2. STATION/OFFSETS AND COORDINATES
SHOWN IN DATA TABLES ARE LOCATED
AT THE FACE OF CURB OR CENTER
OF THE CURVE.

NO.	STATION	OFFSET	STATION	OFFSET	Y	X	RADIUS
1	22CP+14.19	44.00' LT	11NH+55.67	37.00' RT	392147.469	2110668.988	20'
2	22CP+14.19	24.00' LT	11NH+75.67	37.18' RT	392147.079	2110688.984	20'
3	22CP+34.19	44.18' LT	11NH+55.67	17.00' RT	392167.468	2110669.201	20'
4	22CP+88.20	44.00' LT	11NH+56.33	37.00' LT	392221.457	2110670.431	20'
5	22CP+88.20	24.00' LT	11NH+76.33	36.82' LT	392221.067	2110690.427	20'
6	22CP+68.20	43.82' LT	11NH+56.33	17.00' LT	3922201.459	2110670.219	20'



GENERAL NOTES

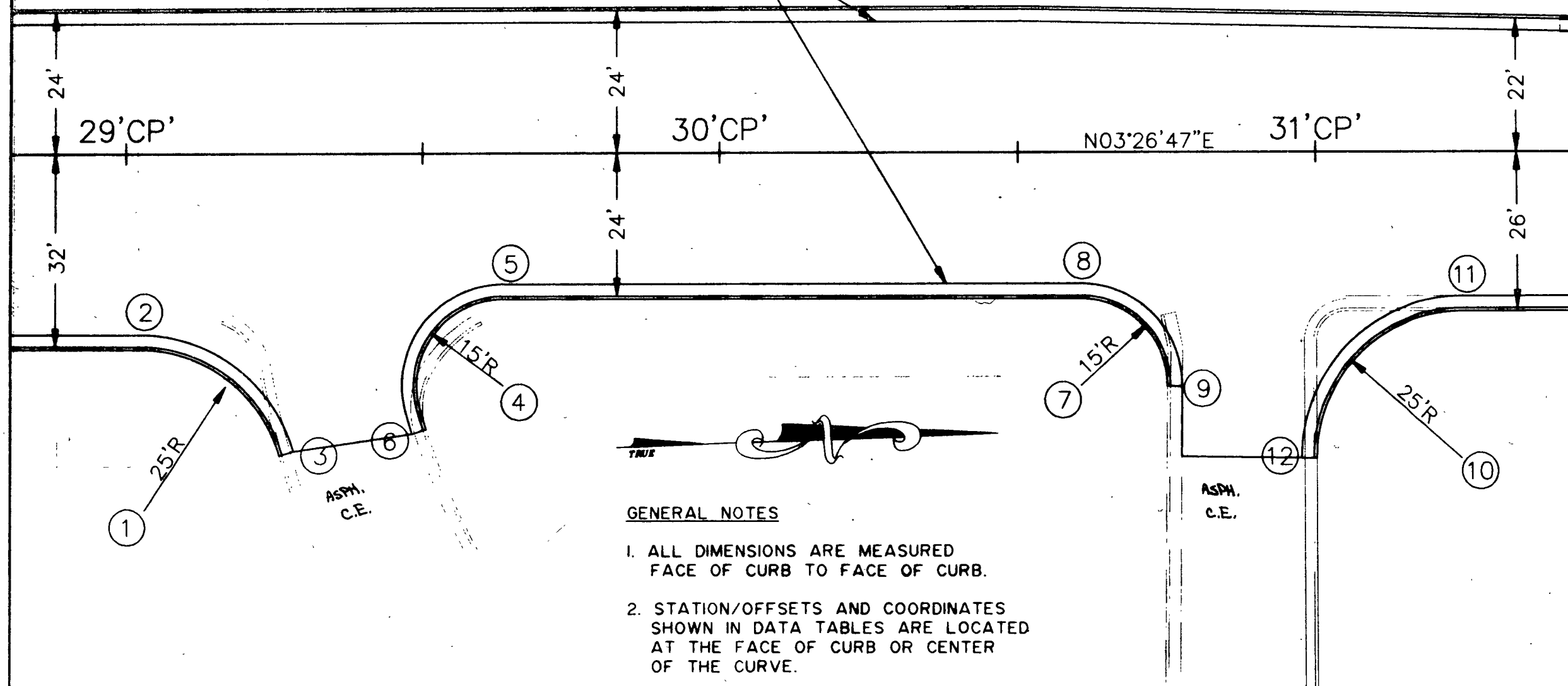
1. ALL DIMENSIONS ARE MEASURED
FACE OF CURB TO FACE OF CURB.
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NO.	STATION	OFFSET	STATION	OFFSET	Y	X	RADIUS
1	25CP+68.11	49.00 LT	11ST+49.77	44.00' RT	392501.415	2110670.891	25'
2	25CP+68.11	24.00 LT	11ST+74.76	44.69' RT	392500.928	2110695.886	25'
3	25CP+93.10	49.69 LT	11ST+49.77	19.00' RT	392526.414	2110670.687	25'
4	26CP+54.22	49.00 LT	11ST+53.89	44.00' LT	392589.446	2110674.304	25'
5	26CP+54.22	24.00 LT	11ST+78.84	42.29' LT	392587.943	2110699.259	25'
6	26CP+29.28	47.29 LT	11ST+53.89	19.00' LT	392564.447	2110674.508	25'
7	25CP+70.73	49.00 RT	12ST+47.88	44.00' RT	392502.129	2110768.923	25'
8	25CP+70.73	24.00 RT	12ST+22.89	43.35' RT	392502.616	2110743.928	25'
9	25CP+95.73	48.35' RT	12ST+47.88	19.00' RT	392527.128	2110768.764	25'
10	26CP+65.85	49.00' RT	12ST+52.37	49.00' LT	392595.156	2110772.826	25'
11	26CP+65.85	24.00' RT	12ST+27.43	50.66' LT	392596.659	2110747.871	25'
12	26CP+40.90	50.66' RT	12ST+52.37	24.00' LT	392570.156	2110772.985	25'
13	27CP+50.00	24.00' RT	12ST+33.02	134.62' LT	392680.652	2110752.929	---
14	28CP+00.00	32.50' RT	12ST+44.83	183.96' RT	392730.051	2110764.419	---

STATE PROJECT NUMBER	SHEET NO.
6999-01-69	2.6
INTERSECTION DETAIL CAMP PHILLIPS ROAD	
COUNTY	

NO.	STATION	OFFSET	STATION	OFFSET	Y	X	RADIUS
1	29CP+02.34	57.50' RT	12ST+76.58	284.40' LT	392830.706	2110795.526	25'
2	29CP+02.34	32.50' RT	12ST+51.63	286.06' LT	392832.209	2110770.572	25'
3	29CP+26.37	50.61' RT	12ST+71.03	308.84' LT	392854.621	2110790.203	25'
4	29CP+63.50	39.00' RT	12ST+62.19	346.65' LT	392892.861	2110780.736	15'
5	29CP+63.50	24.00' RT	12ST+47.22	347.65' LT	392893.732	2110766.262	15'
6	29CP+49.09	43.17' RT	12ST+65.39	331.99' LT	392878.227	2110784.032	15'
7	30CP+60.55	39.00' RT	12ST+68.64	443.49' LT	392989.742	2110786.570	15'
8	30CP+60.55	24.00' RT	12ST+53.65	444.49' LT	392990.613	2110772.096	15'
9	30CP+75.55	39.16' RT	12ST+69.80	458.45' LT	393004.704	2110787.633	15'
10	31CP+24.53	51.12' RT	12ST+84.99	506.52' LT	393052.878	2110802.515	25'
11	31CP+24.53	26.12' RT	12ST+60.04	508.19' LT	393054.381	2110777.561	25'
12	30CP+99.53	51.11' RT	12ST+83.32	481.58' LT	393027.923	2110801.006	25'

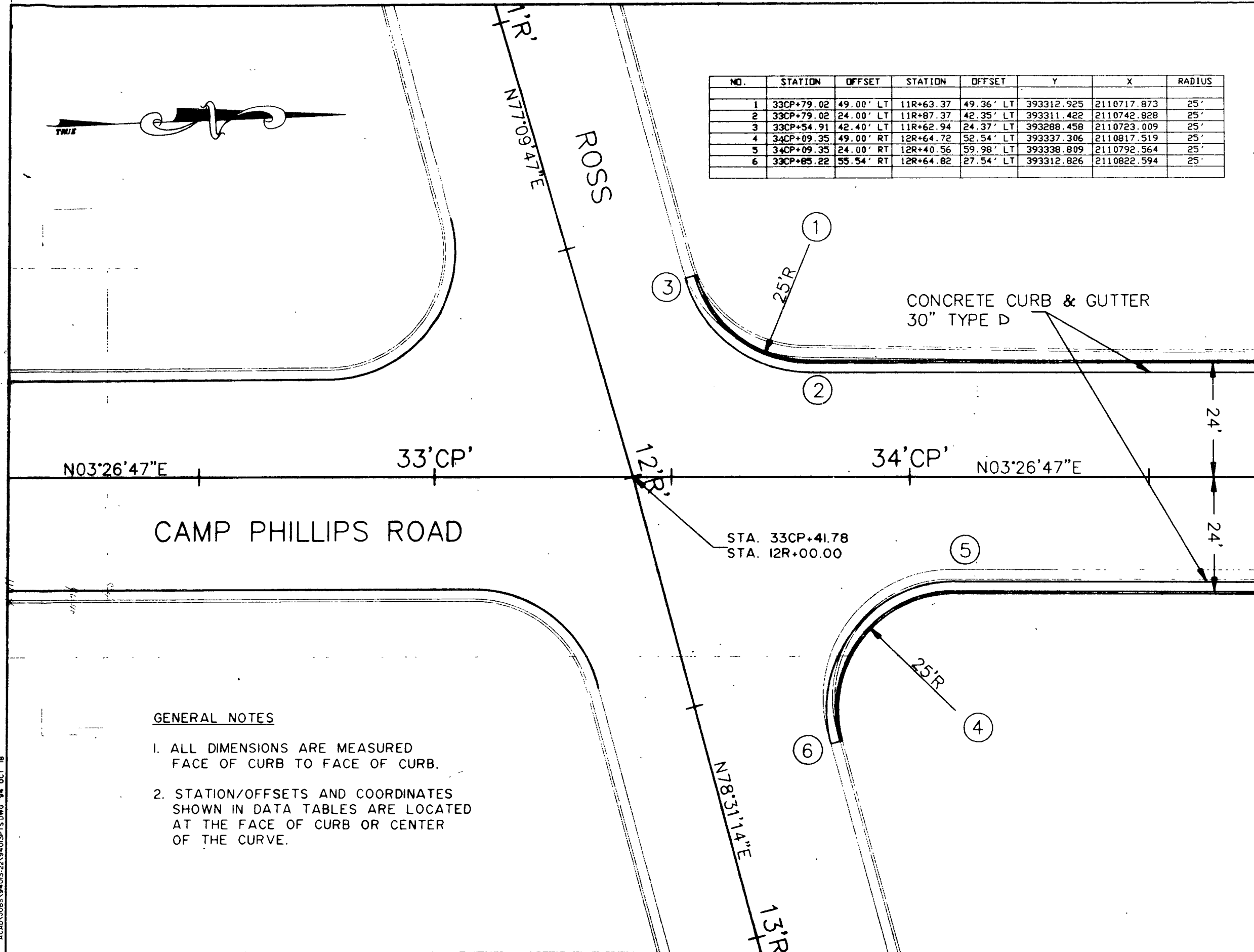
CONCRETE CURB & GUTTER
30" TYPE D



GENERAL NOTES

1. ALL DIMENSIONS ARE MEASURED
FACE OF CURB TO FACE OF CURB.
2. STATION/OFFSETS AND COORDINATES
SHOWN IN DATA TABLES ARE LOCATED
AT THE FACE OF CURB OR CENTER
OF THE CURVE.

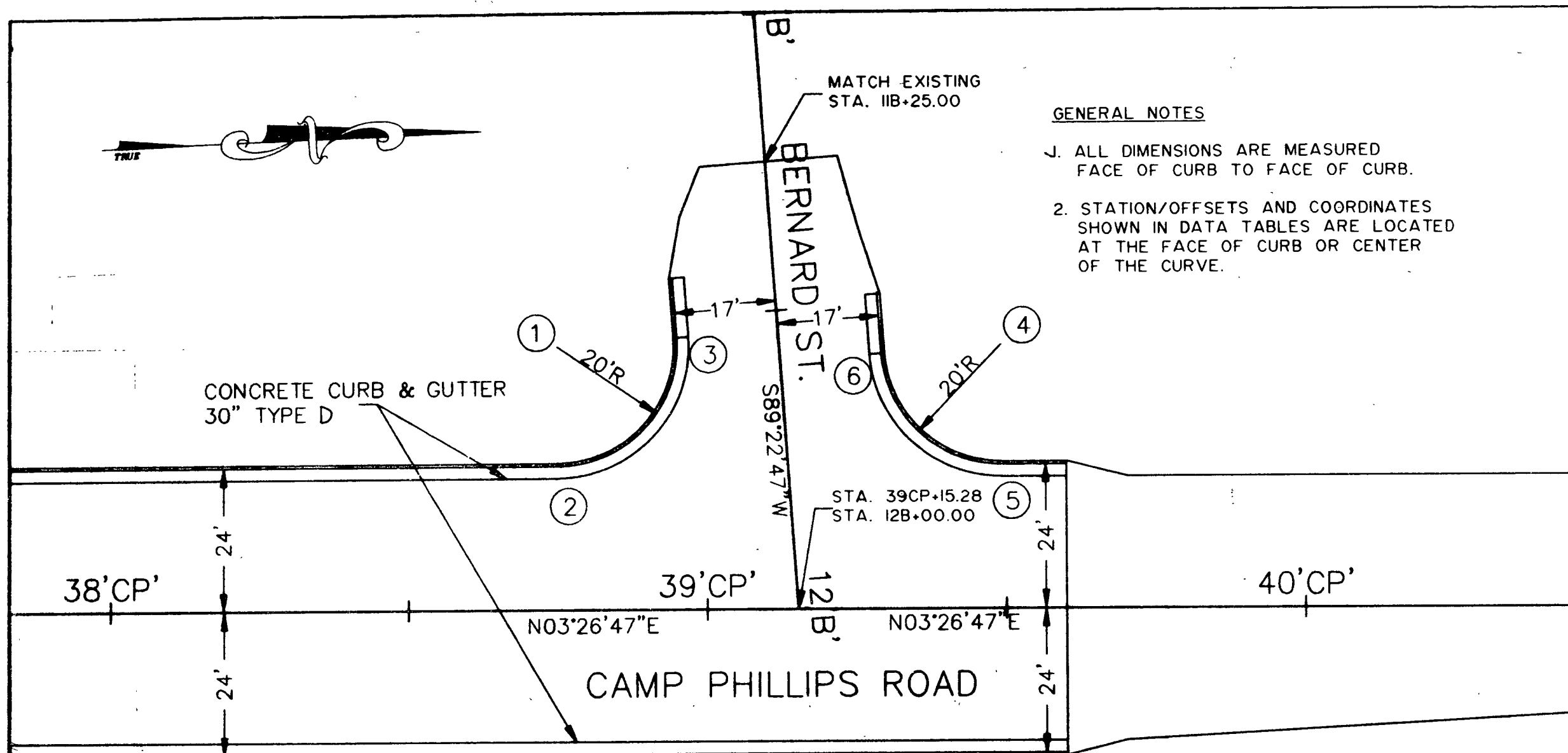
NO.	STATION	OFFSET	STATION	OFFSET	Y	X	RADIUS
1	33CP+79.02	49.00' LT	11R+63.37	49.36' LT	393312.925	2110717.873	25'
2	33CP+79.02	24.00' LT	11R+87.37	42.35' LT	393311.422	2110742.828	25'
3	33CP+54.91	42.40' LT	11R+62.94	24.37' LT	393288.458	2110723.009	25'
4	34CP+09.35	49.00' RT	12R+64.72	52.54' LT	393337.306	2110817.519	25'
5	34CP+09.35	24.00' RT	12R+40.56	59.98' LT	393338.809	2110792.564	25'
6	33CP+85.22	55.54' RT	12R+64.82	27.54' LT	393312.826	2110822.594	25'



GENERAL NOTES

- ALL DIMENSIONS ARE MEASURED FACE OF CURB TO FACE OF CURB.
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STATE PROJECT NUMBER	SHEET NO.
6999-01-69	2.8
INTERSECTION DETAIL CAMP PHILLIPS ROAD	
LOCAL STREET	MARATHON COUNTY

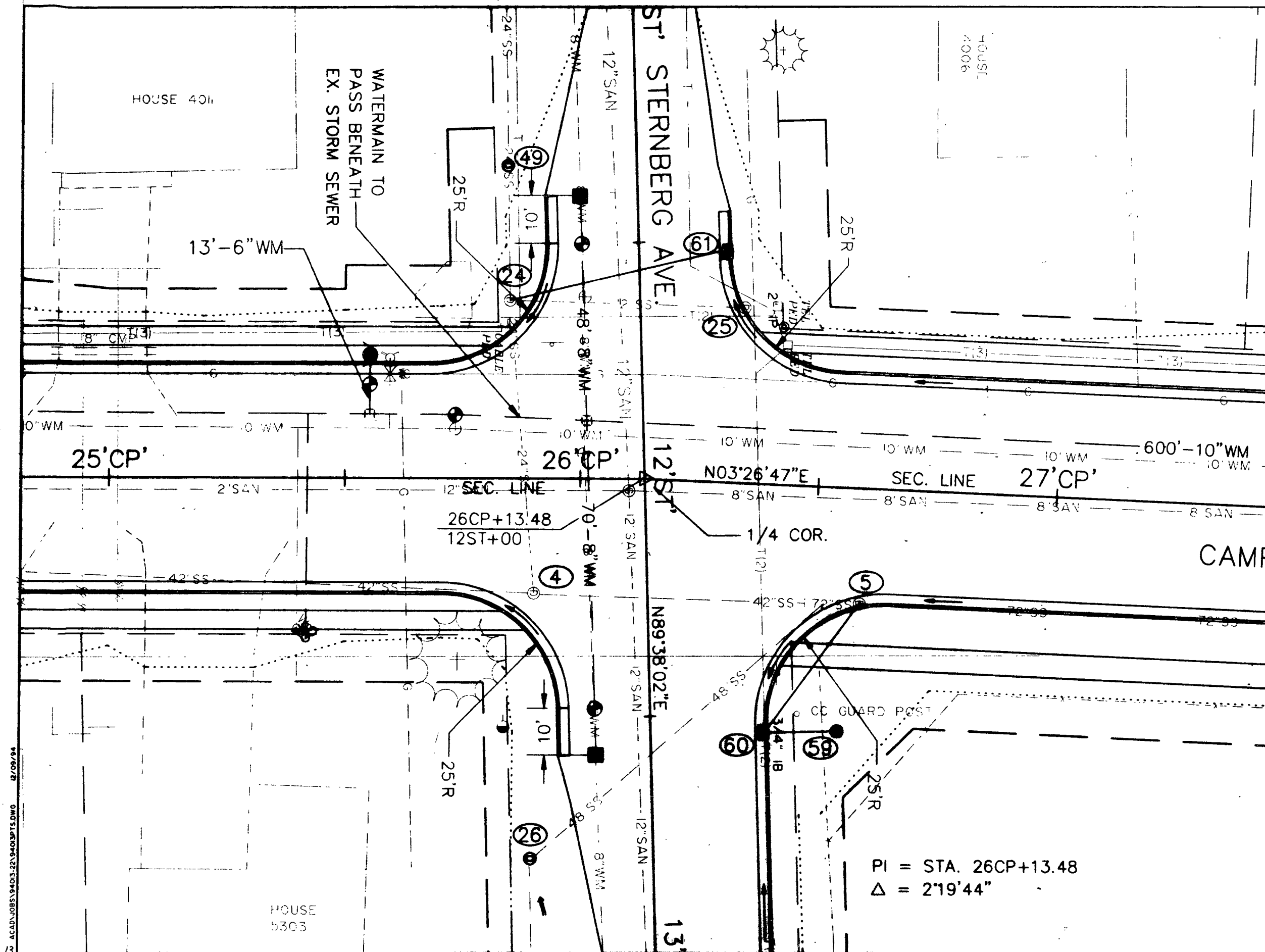


- GENERAL NOTES**
1. ALL DIMENSIONS ARE MEASURED
FACE OF CURB TO FACE OF CURB.
 2. STATION/OFFSETS AND COORDINATES
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OF THE CURVE.

NO.	STATION	OFFSET	STATION	OFFSET	Y	X	RADIUS
1	38CP+75.06	44.00' LT	11B+53.26	37.09' RT	393807.766	2110752.682	20
2	38CP+75.06	24.00' LT	11B+73.16	38.42' RT	393806.563	2110772.646	20
3	38CP+95.01	45.42' LT	11B+53.26	17.00' RT	393827.764	2110752.466	20
4	39CP+49.25	44.00' LT	11B+58.52	37.00' LT	393881.818	2110757.142	20
5	39CP+49.25	24.00' LT	11B+75.21	35.58' LT	393880.616	2110777.106	20
6	39CP+29.30	42.58' LT	11B+58.52	17.00' LT	393861.819	2110757.358	20

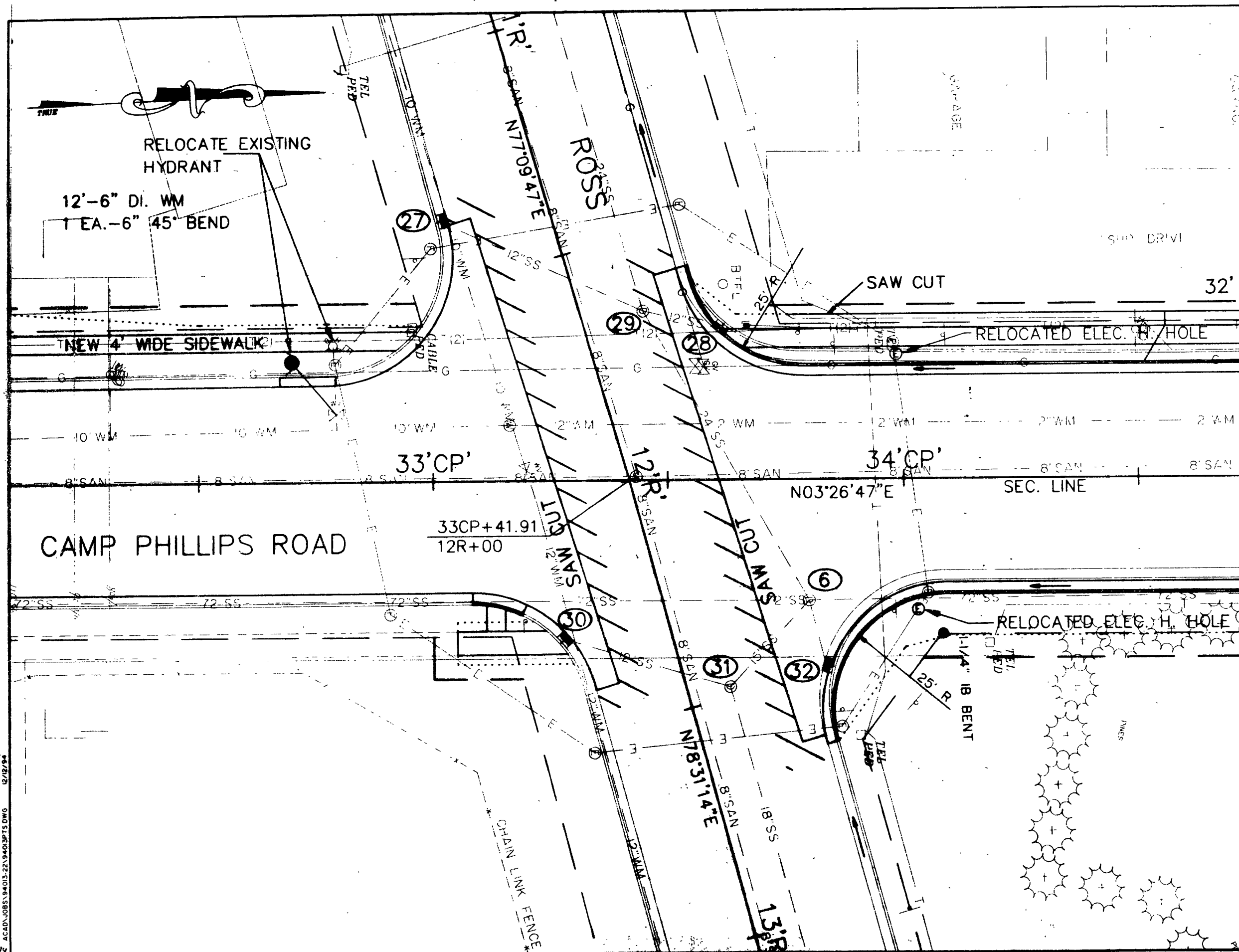
ACAD\JOBS\9401322\9403PTS.DWG 94 OCT 18

STATE PROJECT NUMBER	SHEET NO.
6999-01-69, 74	2.11
INTERSECTION PLAN CAMP PHILLIPS ROAD	
LOCAL STREET	MARATHON COUNTY

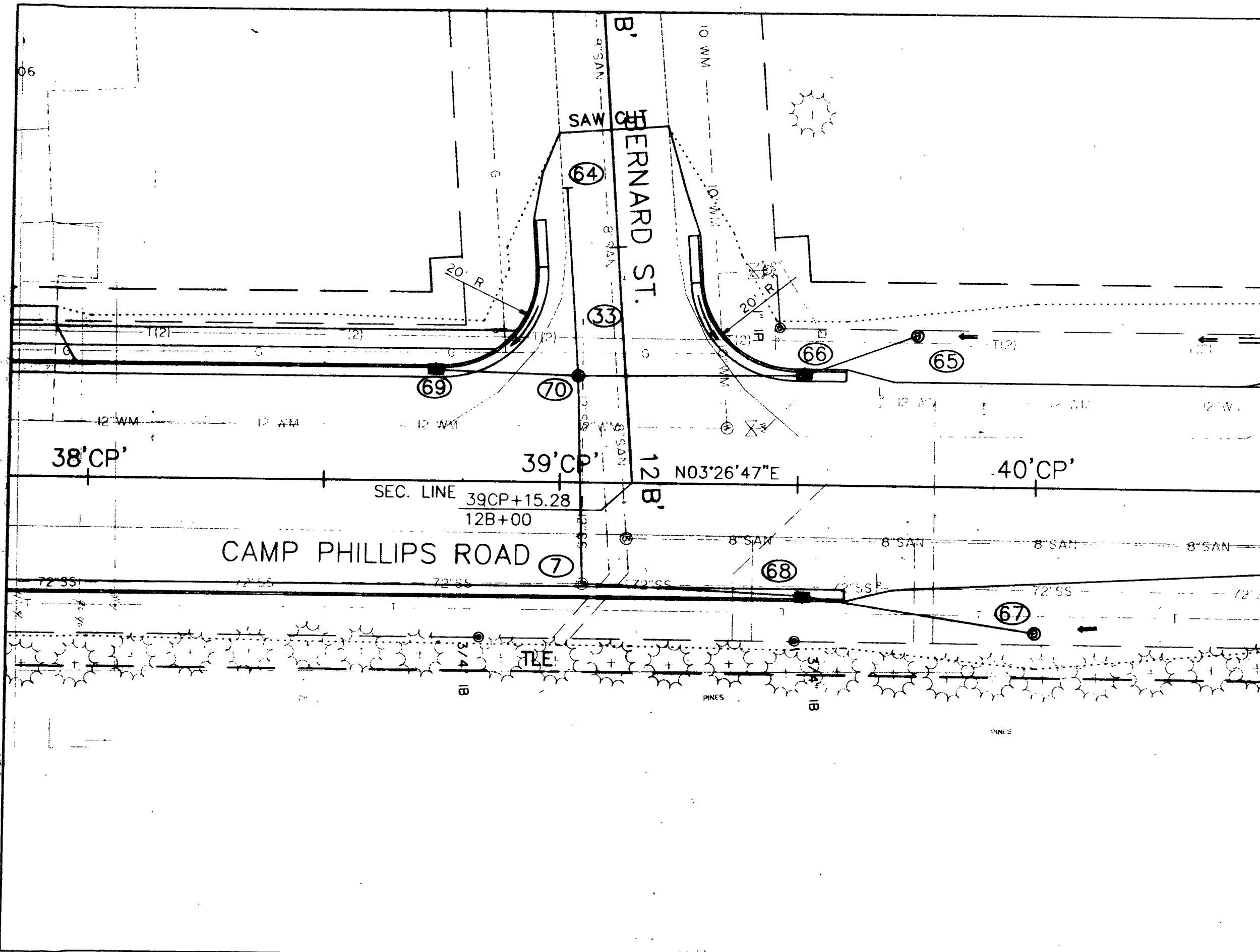


PI = STA. 26CP+13.48
 $\Delta = 219'44''$

STATE PROJECT NUMBER	SHEET NO.
6999-01-69, 74	2.12
INTERSECTION PLAN CAMP PHILLIPS ROAD	
LOCAL STREET	MARATHON COUNTY

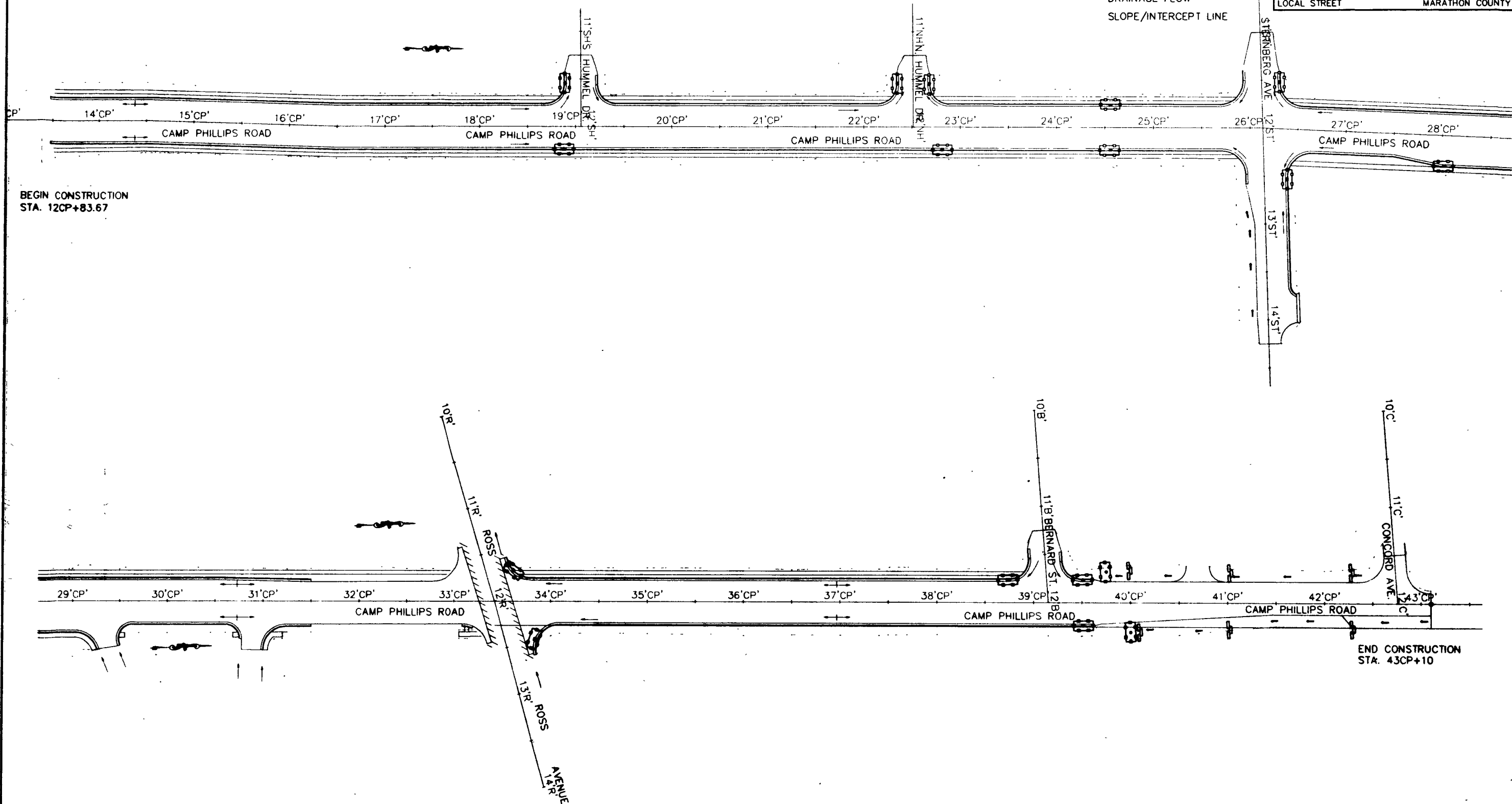


STATE PROJECT NUMBER	SHEET NO.
6999-01-69, 74	2.13
INTERSECTION PLAN	
CAMP PHILLIPS ROAD	
LOCAL STREET	MARATHON COUNTY

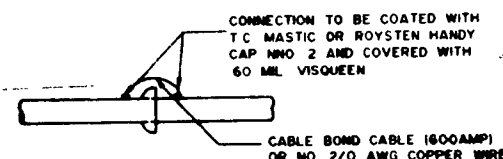


STATE PROJECT NUMBER	SHEET NO.
6999-01-69	2.15
EROSION CONTROL PLAN CAMP PHILLIPS ROAD	
LOCAL STREET	MARATHON COUNTY

- LEGEND
- SILT FENCE
 - EROSION BALES
 - DRAINAGE FLOW
 - SLOPE/INTERCEPT LINE



NOTE:
WHERE PERMITTED BY THE OWNER,
GASKETS WITH CONTINUITY CLIPS MAY
BE USED IN LIEU OF THE CABLE BOND

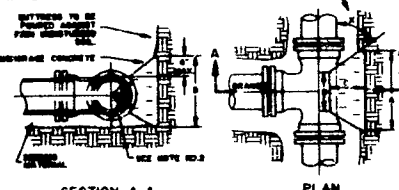


DL ELECTRICAL CONTINUITY CONNECTION PIPE/PIPE JOINT OR PIPE FITTING JOINT

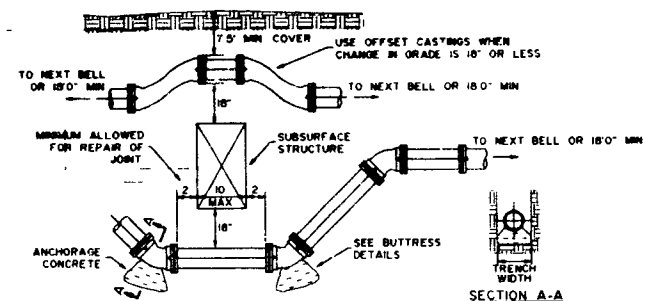
NOTES

1. DIMENSION "C" SHOULD BE LARGE ENOUGH TO MAKE ANGLE "X" EQUAL TO OR LARGER THAN 45°.
2. CONCRETE SHOULD BEARD ON THIS QUADRANT AS A MINIMUM.
3. DIMENSION "D" SHOULD BE AS LARGE AS POSSIBLE BUT CONCRETE SHOULD NOT INTERFERE WITH MECHANICAL JOINTS.
4. BUTTRESS DIMENSIONS ARE BASED ON A SOIL RESISTANCE OF TWO TONS PER SQ. FT. AND A WATER PRESSURE OF 150 PSI.

BUTTRESS DIMENSIONS				
Ø D	A	B	C	D
6"	1'-3"	1'-0"	1'-0"	1'-0"
8"	1'-4"	1'-4"	1'-0"	1'-0"
10"	1'-6"	1'-6"	1'-0"	1'-0"
12"	1'-8"	1'-8"	1'-0"	1'-0"
14"	2'-0"	2'-0"	1'-0"	1'-0"
16"	2'-2"	2'-2"	1'-0"	1'-0"
18"	2'-4"	2'-4"	1'-0"	1'-0"
20"	2'-6"	2'-6"	1'-0"	1'-0"
24"	3'-0"	3'-0"	1'-0"	1'-0"
30"	3'-6"	3'-6"	1'-0"	1'-0"

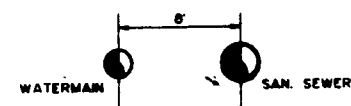


REACTION BACKING FOR TEES

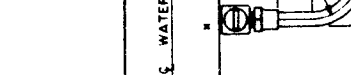
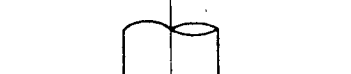
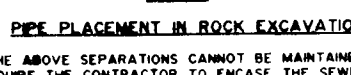
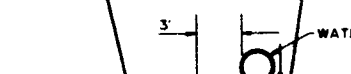
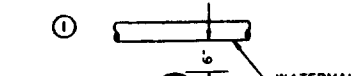


PIPE SIZE	D	RODS	STRAP	BOLT DIA	WASHER
6	7.10	2	1/2x2	3/4	1/2x3x5
8	9.30	2	1/2x2	3/4	1/2x3x5
10	11.40	2	1/2x2	1/2	1/2x3x5
12	13.50	2	1/2x2	1/2	1/2x3x5
16	17.80	2	1/2x2	1	1/2x3x5

STRAPPING WATERMAIN OFFSETS 6" THRU 16"



HORIZONTAL



DATE 03/01/95

ESTIMATE OF QUANTITIES

ITEM	ITEM DESCRIPTION	UNIT	TOTAL	6999-01-69 QUANTITY	6999-01-74 QUANTITY
20101	CLEARING	STA.	30.00	30.00	
20104	GRUBBING	STA.	30.00	30.00	
20330	REMOVING OLD CULVERTS	EACH	3.00	3.00	
20401	REMOVING PAVEMENT	S.Y.	25.00	25.00	
20405	REMOVING CURB AND GUTTER	L.F.	648.00	648.00	

TOTAL

6999-01-69
QUANTITY6999-01-74
QUANTITY

20406	REMOVING CONCRETE SIDEWALK	S.Y.	110.00	110.00	
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20412	REMOVING FENCE	L.F.	240.00	240.00	
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20503	UNCLASSIFIED EXCAVATION	C.Y.	10,841.00	10,841.00	
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21302	FINISHING ROADWAY, PROJECT 6999-01-69	L.S.	1.00	1.00	
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30404	CRUSHED AGGREGATE BASE COURSE	TON	10,886.00	10,886.00	
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40501	ASPHALTIC MATERIAL FOR PLANT MIXES	TON	222.00	222.00	
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40713	ASPHALTIC CONCRETE PAVEMENT, TYPE MV	TON	3,657.00	3,657.00	
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40714	ASPHALTIC CONCRETE PAVEMENT, TYPE LV	TON	35.00	35.00	
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41531	CONCRETE DRIVEWAY	S.Y.	589.00	589.00	
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60133	CONCRETE CURB AND GUTTER, 30-INCH, TYPE D	L.F.	4,982.00	4,982.00	
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60204	CONCRETE SIDEWALK, 4-INCH	S.F.	13,660.00	13,660.00	
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60825	REINFORCED CONCRETE PIPE, CLASS III, STORM SEWER, 12-INCH	L.F.	327.00	327.00	
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60826	REINFORCED CONCRETE PIPE, CLASS III, STORM SEWER, 15-INCH	L.F.	141.00	141.00	
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60827	REINFORCED CONCRETE PIPE, CLASS III, STORM SEWER, 18-INCH	L.F.	55.00	55.00	
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60829	REINFORCED CONCRETE PIPE, CLASS III, STORM SEWER, 24-INCH	L.F.	110.00	110.00	
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61110	MANHOLES, TYPE 1	EACH	3.00	3.00	
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61112	MANHOLES, TYPE 3	EACH	1.00	1.00	
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61121	INLETS, TYPE 1	EACH	4.00	4.00	
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61122	INLETS, TYPE 3	EACH	13.00	13.00	
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61129	RECONSTRUCTING INLETS	EACH	2.00	2.00	
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61151	MANHOLE COVERS, TYPE J	EACH	5.00	5.00	
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SHEET 3

ITEM	ITEM DESCRIPTION	UNIT	TOTAL	6999-01-69 QUANTITY	6999-01-74 QUANTITY
61161	INLET COVERS, TYPE A	EACH	1.00	1.00	
61162	INLET COVERS, TYPE B	EACH	7.00	7.00	
61167	INLET COVERS, TYPE H	EACH	13.00	13.00	
61182	ADJUSTING MANHOLE COVERS	EACH	13.00	13.00	
61910	MOBILIZATION	L.S.	1.00	.88	.12

62501	TOPSOIL	S.Y.	4,674.00	4,674.00	
62811	EROSION BALES, DELIVERED	EACH	24.00	24.00	
62812	EROSION BALES, INSTALLED	EACH	24.00	24.00	
62815	SILT FENCE, DELIVERED	L.F.	356.00	356.00	
62816	SILT FENCE, INSTALLED	L.F.	356.00	356.00	

62817	SILT FENCE MAINTENANCE	L.F.	356.00	356.00	
63101	SODDING	S.Y.	4,674.00	4,674.00	
64201	FIELD OFFICE, TYPE A	L.S.	1.00	1.00	
64210	FIELD LABORATORY	L.S.	1.00	1.00	
64302	TRAFFIC CONTROL, PROJECT 6999-01-69	L.S.	1.00	1.00	

64318	TRAFFIC CONTROL, BARRICADES, TYPE III	DAYS	1,540.00	1,540.00	
64321	TRAFFIC CONTROL, WARNING LIGHTS, TYPE A	DAYS	3,080.00	3,080.00	
64326	TRAFFIC CONTROL, SIGNS	DAYS	2,800.00	2,800.00	
64406	PAVEMENT MARKING, EPOXY, 4-INCH	L.F.	7,124.00	7,124.00	
64414	PAVEMENT MARKING, CHANNELIZING, EPOXY, 8-INCH	L.F.	120.00	120.00	

64437	PAVEMENT MARKING, STOP LINE, EPOXY, 18-INCH	L.F.	258.00	258.00	
64438	PAVEMENT MARKING, CROSSWALK, EPOXY, 12-INCH	L.F.	890.00	890.00	
64473	PAVEMENT MARKING, ARROWS, EPOXY, TYPE 3	EACH	2.00	2.00	
64601	SAWING EXISTING PAVEMENT	L.F.	1,285.00	1,285.00	
64602	SAWING CONCRETE PAVEMENT, FULL DEPTH	L.F.	22.00	22.00	

65001	CONSTRUCTION STAKING, STORM SEWER	L.F.	633.00	633.00	
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SHEET 3.1

ITEM	ITEM DESCRIPTION	UNIT	TOTAL	6999-01-69 QUANTITY	6999-01-74 QUANTITY
65010	CONSTRUCTION STAKING, SUBGRADE	STA.	33.50	33.50	
65020	CONSTRUCTION STAKING, CRUSHED AGGREGATE BASE COURSE	STA.	33.61	33.61	
65030	CONSTRUCTION STAKING, CURB AND GUTTS AND GUTTER	L.F.	4,982.00	4,982.00	
90001	MANHOLE, TYPE 6, MODIFIED	EACH	1.00	1.00	
90002	ADJUSTING WATER VALVE COVERS	EACH	3.00	3.00	

90003	RELOCATE HYDRANTS	EACH	2.00	2.00	
90004	RELOCATE ELECTRICAL HAND HOLE	EACH	2.00	2.00	
90005	REMOVING STORM SEWER 12-INCH	L.F.	157.00	157.00	
90006	REMOVING STORM SEWER 24-INCH	L.F.	28.00	28.00	
90007	1-INCH COPPER WATER SERV.	L.F.	610.00		610.00

90008	1-INCH CORPORATION STOP	EACH	16.00		16.00
90009	1-INCH CURB STOP W/BOX	EACH	13.00		13.00
90010	6-INCH DUCTILE IRON WATERMAIN	L.F.	118.00		118.00
90011	8-INCH DUCTILE IRON WATERMAIN	L.F.	118.00		118.00
90012	10-INCH DUCTILE IRON WATERMAIN	L.F.	1,710.00		1,710.00

90013	6-INCH VALVE	EACH	2.00		2.00
90014	8-INCH VALVE	EACH	2.00		2.00
90015	10-INCH VALVE	EACH	1.00		1.00
90016	6-INCH X 6-INCH TEE	EACH	1.00		1.00
90017	10-INCH X 6-INCH TEE	EACH	3.00		3.00

90018	8-INCH X 10-INCH CROSS	EACH	1.00		1.00
90019	SALV. 10-INCH 45 DEG. BEND	EACH	1.00		1.00
90020	10-INCH 45 DEGREE BEND	EACH	8.00		8.00
90021	6-INCH 45 DEGREE BEND	EACH	1.00		1.00
90022	6-INCH CAP, TEMPORARY	EACH	2.00		2.00

90023	6-INCH COUPLING TEMPORARY	EACH	1.00		1.00
90024	6-INCH COUPLING	EACH	2.00		2.00

ITEM	ITEM DESCRIPTION	UNIT	TOTAL	6999-01-69 QUANTITY	6999-01-74 QUANTITY
90025	3-INCH COUPLING	EACH	2.00		2.00
90026	10-INCH CAP, TEMPORARY	EACH	2.00		2.00
90027	CONC. REACTION BLOCKING	EACH	14.00		14.00
90028	HYDRANT	EACH	1.00		1.00
90029	ABANDON WATERMAIN	L.F.	1,606.00		1,606.00

90035	QUALITY MANAGEMENT PROGRAM, BASE COURSES	TON	10,886.00	10,886.00	
90042	QUALITY MANAGEMENT PROGRAM, ASPHALTIC MIXTURE	TON	3,692.00	3,692.00	

SHEET 3.2

STATE PROJECT NUMBER	SHEET NO.
6999-01-69	3A
QUANTITY SHEET	
CAMP PHILLIPS ROAD	
LOCAL STREET	MARATHON COUNTY

REMOVING PAVEMENT

LOCATION	RT	S.Y.
22CP+56	RT	25
TOTAL		25

REMOVING CURB & GUTTER

LOCATION	L.F.
29CP+16 - 29CP+60 RT	50
30CP+74 - 31CP+50 RT	120
31CP+41 - 31CP+50 LT	9
33CP+54 - 35CP+90 LT	245
33CP+84 - 35CP+85 RT	224
TOTAL	648

REMOVING SIDEWALK

LOCATION	S.Y.
27CP+81 - 29CP+55 RT	87
30CP+69 - 31CP+20 RT	23
TOTAL	110

REMOVING CULVERT PIPE

LOCATION	EACH
11"MM+73	1
26CP+99	1
48CP+69	1
TOTAL	3

REMOVING FENCE

LOCATION	L.F.
15CP+49 - 15CP+86 RT	65
16CP+67 - 17CP+77 RT	110
21CP+12 - 21CP+46 RT	25
24CP+45 - 24CP+84 LT	40
TOTAL	240

RELOCATE ELECTRICAL HAND HOLE

FROM LOCATION	TO	EACH
33CP+98, 29LT	33CP+98, 26.5LT	1
34CP+05, 24RT	34.03, 28RT	1
TOTAL		2

RELOCATE HYDRANTS

FROM LOCATION	TO	EACH
25CP+59, 25LT	25CP+55, 26.2LT	1
32CP+79, 29LT	32CP+70, 25.6LT	1
TOTAL		2

CLEARING & GRUBBING

LOCATION	STA
13CP+52 - 43CP+52	30
TOTAL	30

SAVING EXISTING PAVEMENT

STATION	LOCATION	L.F.
15 CP +73	37' RT	20
16 CP +95	35' RT	20
17 CP +22	35' LT	13
17 CP +64	35' LT	14
17 CP +95	35' RT	20
18 SH +25		24
19 CP +41	37' RT	19
20 CP +18	40' RT	18
20 CP +49	35' LT	13
21 CP +05	35' LT	12
21 CP +29	35' RT	15
11 NH +25		23
23 CP +29	40' RT	20
24 CP +71	40' RT	19
24 CP +98	35' LT	19
25 CP +20	40' RT	23
11 ST +00		23
13 ST +89	33' LT	30
14 ST +25		22
26CP+55-28CP+05RT		165
27 CP +34	37' LT	18
28 CP +35	37' LT	13
29 CP +12	37' LT	13
29 CP +38	40' RT	20
29 CP +69	35' LT	26
30 CP +45	35' LT	26
30 CP +88	31' RT	20
31 CP +90	36' LT	38
22 CP +26		114
33 CP +61		114
33CP+75-36CP+05LT		230
11 B +25		84
48 CP +70	40' LT	24
11 C +50		50
43 CP +10		23
TOTAL		1,285

SAVING CONCRETE PAVEMENT, FULL DEPTH

STATION	LOCATION	L.F.
22 CP +37	40' RT	22
TOTAL		22

CRUSHED AGGREGATE BASE COURSE

LOCATION	STAKING STA	BASE TONS	SHOULDER TONS
MAINLINE			
13CP+52.58 - 26CP+13.48	12.60	4,010	
26CP+13.48 - 33CP+25.86	713	2,392	
33CP+60.80 - 39CP+60.00	599	1,945	
39CP+60.00 - 43CP+10.00	350	1,032	42
SIDE STREETS			
11SH+25 - 11SH+78	53	130	4
11NH+25 - 11NH+78	53	130	4
11ST+00 - 11ST+78.85	78	160	4
12ST+22.98 - 14ST+25	202	565	16
11B+25 - 11B+78	53	130	4
C&G PE'S			
SIDEWALKS		158	
ASPH. PE'S		96	
TOTAL	33.61	10,812	74

LANDSCAPING QUANTITIES

STATION	LOCATION	TOPSOIL S.Y.	SOD S.Y.
MAINLINE			
13CP+47 - 18CP+79	LT BLVD	193	193
13CP+47 - 25CP+83	RT BLVD	374	374
13CP+52 - 18CP+93	LT ROW	291	291
13CP+52 - 25CP+95	RT ROW	355	355
19CP+31 - 22CP+25	LT BLVD	97	97
19CP+16 - 22CP+42	LT ROW	159	159
22CP+77 - 25CP+81	LT BLVD	97	97
22CP+64 - 26CP+01	LT ROW	233	233
26CP+42 - 32CP+92	LT BLVD	216	216
26CP+20 - 32CP+97	LT ROW	191	191
26CP+44 - 29CP+00	RT BLVD	115	115
29CP+49 - 33CP+24	RT BLVD	137	137
26CP+42 - 33CP+30	RT ROW	12	12
33CP+66 - 38CP+86	LT BLVD	151	151
33CP+35 - 38CP+99	LT ROW	146	146
33CP+86 - 39CP+60	RT ROW	621	621
39CP+60 - 42CP+29	RT	417	417
39CP+22 - 42CP+61	LT	470	470
SIDE STREETS			
12ST+48 - 14ST+25	RT	311	311
12ST+66 - 14ST+25	LT	89	89
TOTAL		4674	4674

CONSTRUCTION STAKING, CURB & CURB AND GUTTER

CONCRETE CURB AND GUTTER, 30INCH, TYPE D

LOCATION	L.F.	STAKING L.F.
MAINLINE		
13CP+47 - 18CP+88	LT	563
19CP+22 - 22CP+34	LT	355
22CP+68 - 25CP+93	LT	372
13CP+47 - 25CP+96	RT	1,272
26CP+29 - 31CP+58	LT	544
26CP+41 - 29CP+26	RT	311
28CP+49 - 38CP+76	RT	152
38CP+99 - 31CP+56	RT	65
33CP+34 - 38CP+95	LT	575
39CP+29 - 39CP+60	LT	51
39CP+85 - 39CP+60	RT	597
SIDE STREETS		
12ST+52 - 13ST+75	LT	125
TOTAL		4,982

ASPHALTIC MATERIAL 222 TON

ASPHALTIC CONCRETE PAVEMENT, TYPE MV, TYPE LV

LOCATION	TYPE MV	TYPE LV
MAINLINE		
13CP+52.58 - 26CP+13.48	1,380	
26CP+13.48 - 33CP+25.86	870	
33CP+60.80 - 39CP+60.00	675	
39CP+60.00 - 43CP+10.00	340	
SIDE STREETS		
11SH+25 - 11SH+78	45	
11NH+25 - 11NH+78	45	
11ST+00 - 11ST+78.85	71	
12ST+22.98 - 14ST+25	186	
11B+25 - 11B+78	45	
ASPH. PE'S	35	
TOTAL	3,657	35

PAVEMENT MARKING, EPOXY

LOCATION	8-INCH WHITE L.F.	4-INCH YELLOW L.F.	4-INCH WHITE L.F.	18-INCH STOPLINE WHITE L.F.	12-INCH CROSSWALK WHITE L.F.	ARROWS TYPE-3 EACH
13CP+52 - 25CP+80		2,456	615			
26CP+45 - 33CP+00		1,310	328			
33CP+88 - 42CP+50		1,740	435			
39CP+50 - 42CP+00			240			
27CP+90 - 29CP+10	120					
11SH+65				18	90	
11NH+65				18	90	
11ST+65				18	100	
12ST+30				18	100	
25CP+85				25	100	
26CP+40				25	100	
29CP+30				60		
29CP+85				50		
33CP+05				25	100	1
11R+65				25	100	
12R+45				25		
33CP+80				25		1
11B+65				18		
11C+65				18		
TOTAL	120	5,506	1,618	258	890	2

% CHANNELIZING

ADJUSTING MANHOLE AND WATER VALVE COVERS

LOCATION	MANHOLE EACH	WATER VALVE EACH
15CP+04, 3' RT	1	
18CP+88, 9' RT	1	
19CP+07, CL	1	
22CP+53, 3' RT	1	
22CP+80, 12' RT	1	
25CP+90, 24' RT	1	
26CP+10, 2' RT	1	
29CP+75, CL	1	
30CP+90, 8' LT		1
33CP+20, 2' LT		1
33CP+80, 25' RT	1	
35CP+44, 2' LT	1	
39CP+15, 12' RT	1	
39CP+40, 12' LT		1
41CP+87, 12' RT	1	
42CP+86, 23' RT	1	
TOTAL	13	3

YARDAGE SUMMARY

LOCATION	UNCL. EXCAV.	FILL	EXP. FILL (1)	BORROW (-) WASTE (+)
MAINLINE				
13CP+52.5 - 33CP+26	6,589	164	232	6,357
33CP+60 - 43CP+10	2,989	46	43	2,926
SIDE STREETS				
SOUTH HUMMEL	122	3	5	117
NORTH HUMMEL	99	12	17	82
STERNBERG - WEST	204	5	7	197
STERNBERG - EAST	644	0	0	644
BERNARD	113	1	1	163
CONCORD	13	0	0	29
TOTAL	10,800	133	74	10,315

(1) FACTOR = 1.4

PROJECT 6999-01-74

WATERMAIN PIPE - DUCTILE IRON

LOCATION	6" W L.F.	8" W L.F.	10" W L.F.
14CP +80 - 30CP +84 LT			1,710
113H +45 - 113H +84 RT	53		
113H +45 - 113H +85 LT	48		
11ST +48 - 125T +58 RT		118	
25CP +55 LT	13		
32CP +88 LT	12		
TOTAL	118	118	1,710

WATERMAIN FITTINGS - MISCELLANEOUS

LOCATION	8"x10" CROSS EACH	10"x6" TEE EACH	6"x6" TEE EACH	REACTION BLOCKING* EACH
14CP +95 LT		1	1	2
14CP +65 LT		1		1
14CP +82 CL	1			
14CP +25 LT		1		1
TOTAL	1	3	1	4

WATERMAIN FITTINGS - MISCELLANEOUS

LOCATION	COUPLING EACH	6" COUPLING EACH	TEMP. 6" COUPLING EACH	TEMP. 6" CAP EACH	HYDRANT EACH
14CP +95 LT		1		1	1
14CP +65 LT		1	1	1	
14CP +82 CL	2				
TOTAL	2	2		2	1

WATERMAIN FITTINGS - 45 DEGREE BENDS WITH RESTRAINED JOINTS

LOCATION	SALVAGED 10" 45 BEND EACH	10" 45 BEND EACH	10" 45 BEND EACH	6" 45 BEND EACH	REACTION BLOCKING* EACH
14CP +74 LT	1				1
14CP +78 LT		1			2
14CP +80 LT			2		4
14CP +80 LT			2		2
14CP +80 LT				1	1
TOTAL	1	2	8	1	10

WATERMAIN VALVES WITH RISER BOXES

LOCATION	10" VALVE EACH	8" VALVE EACH	6" VALVE EACH
18CP +95 LT			2
22CP +65 LT	1		
26CP +02 CL		2	
TOTAL	1	2	2

WATER SERVICES

LOCATION	1" COPPER L.F.	1" COPPER EACH	1" CURB STOP/BOX EACH
15CP +26 RT	40		
16CP +44 RT	45		
17CP +03 LT	15		
17CP +23 RT	45		
18CP +30 RT	45		
19CP +50 RT	50		
20CP +20 LT	12		
20CP +57 LT	50		
21CP +63 RT	50		
22CP +48 RT	50		
23CP +58 RT	50		
23CP +64 LT	12		
24CP +50 RT	50		
25CP +42 RT	50		
27CP +93 LT	22		
29CP +74 LT	24		
TOTAL	610	16	13

* QUANTITIES LISTED ELSEWHERE

ABANDON WATERMAIN

LOCATION	L.F.
14CP +78 - 30CP +84	1606
TOTAL	1606

CONCRETE SIDEWALK 4-INCH

STATION	LT	STATION	LOCATION	S.F.
13CP +52		18CP +83	LT	1972
19CP +26		22CP +30	LT	1055
22CP +73		25CP +86	LT	1060
13CP +52		25CP +88	RT	3896
26CP +37		32CP +96	LT	2310
26CP +44		29CP +26	RT	1430
29CP +49		33CP +28	RT	310
33CP +61		38CP +90	LT	1627
TOTAL				13,660

CONCRETE DRIVE/SIDEWALK 6-INCH

LOCATION	DRIVEWAY S.Y.
14CP +25 RT	15.1
15CP +73 RT	22.0
16CP +95 RT	22.0
17CP +22 LT	15.9
17CP +64 LT	16.3
17CP +95 RT	22.0
19CP +41 RT	20.6
20CP +18 RT	20.1
20CP +49 LT	15.9
21CP +85 LT	14.4
21CP +29 RT	17.8
22CP +57 RT	40.1
23CP +29 RT	22.0
24CP +06 LT	15.9
24CP +71 RT	20.6
24CP +98 LT	20.6
25CP +28 RT	24.3
27CP +54 LT	20.1
28CP +35 LT	15.9
29CP +12 LT	15.9
29CP +69 LT	26.7
30CP +45 LT	26.7
31CP +90 LT	36.6
34CP +72 LT	31.3
35CP +65 LT	31.3
37CP +72 LT	38.8
TOTAL	589.0

CONSTRUCTION STAKING, STORM SEWERS

STORM SEWER SIZE	L.F.
12-INCH	327
15-INCH	141
18-INCH	95
24-INCH	110
TOTAL	673

STATE PROJECT NUMBER

6999-01-69, 74

SHEET NO.

38

QUANTITY SHEET
CAMP PHILLIPS ROAD

LOCAL STREET MARATHON COUNTY

PROJECT 6999-01-69

EROSION CONTROL DEVICES

LOCATION	DELIV. L.F.	SILT FENCE (TYPE 5000) INSTALL L.F.	EROSION BALES MAINT. L.F.	DELIV. EA.	INSTALL EA.
11SH +54 RT	18	18	18		
18CP +88 RT	18	18	18		
11NH +54 RT	18	18	18		
11NH +54 LT	18	18	18		
22CP +81 RT	18	18	18		
24CP +56 LT	18	18	18		
24CP +56 RT	18	18	18		
11ST +52 LT	18	18	18		
12ST +54 LT	18	18	18		
28CP +02 RT	18	18	18		
11R +74 LT	18	18	18		
12R +49 LT	18	18	18		
38CP +73 LT	18	18	18		
39CP +51 LT	18	18	18		
39CP +51 RT	18	18	18		
39CP +75 LT	18	18	18		
40CP +00 RT	18	18	18		
40CP +00 30' LT				3	3
40CP +00 30' RT				3	3
41CP +00 30' LT				3	3
41CP +00 25' RT				3	3
42CP +25 30' LT				3	3
42CP +25 25' RT				3	3
UNDISTRIBUTED	50	50	50	6	6
TOTAL	356	356	356	24	24

TRAFFIC CONTROL SIGNS

TYPE	SIZE	NO.	DAYS	TOTAL DAYS
G20-2	60"x24"	8	70	560
R11-4	48"x48"	8	70	560
V20-1	48"x48"	8	70	560
V20-3	48"x48"	16	70	1120
TOTAL DAYS				2800

BARRICADES, TYPE 3
WARNING LIGHTS, TYPE A

LOCATION	BARRICADES EACH	LIGHTS EACH	DAYS	BARRICADE DAYS	LIGHTS DAYS
CAMP PHILLIPS SOUTH	2	4	70	140	280
CAMP PHILLIPS NORTH	2	4	70	140	280
SOUTH HUNNEL	2	4	70	140	280
NORTH HUNNEL	2	4	70	140	280
STERNBERG WEST	2	4	70	140	280
STERNBERG EAST	2	4	70	140	280
ROSS	6	12	70	420	840
EAST BERNARD	2	4	70	140	280
CONCORD	2	4	70	140	280
TOTAL DAYS				1540	3080

LOCAL STREET	MARATHON COUNTY
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6/25/45

SIZE		L.F.
R.C.P. CLASS III,	12 INCH	32
R.C.P. CLASS III,	15 INCH	14
R.C.P. CLASS III,	18 INCH	32
R.C.P. CLASS III,	24 INCH	11

CONVENTIONAL SIGNS AND ABBREVIATIONS

COUNTY LINE	-----	GAS	----- G -----
TOWNSHIP AND RANGE LINES	-----	ELECTRIC	----- E -----
SECTION LINE	-----	TELEPHONE	----- T -----
QUARTER LINE	-----	WATER	----- W -----
SIXTEENTH LINE	-----	SANITARY SEWER	----- SS -----
EXISTING R/W LINE	-----	CABLE MARKER	-----
NEW R/W LINE	-----	RAILROAD	-----
PROPERTY LINE	-----	R/W POST	-----
SLOPE INTERCEPT	-----	BUILDING	-----
CORPORATE LIMITS	-----	NO ACCESS (BY ACQUISITION)	-----
CORPORATE LIMITS	-----	SERVICE PEDESTAL	-----
COMBUSTIBLE FLUIDS	-----	POWER POLE	-----
		TELEPHONE POLE	-----
		SIGN	-----

Acres	Ac.
Access Point	A.P.
Ahead	Ahd.
Back	Bk.
Central Angle	Δ
Center Line	CL
Certified Survey Map	C.S.M.
Company	Co.
Corner	Cor.
County Trunk Highway	C.T.H.
Curve	Cur.
Degree of Curve	D.
East	E.
Feet	Ft.
House	H.
Left	Lt.
Length of Curve	L.
Long Chord	LC
Long Chord Bearing	L.C.B.
Mile	Mi.
Monument	Mon.
North	N.
Northeast	NE
Northwest	NW
Permanent Limited Easement	P.L.E.
Point of Curvature	P.C.
Point of Intersection	P.I.
Point of Tangency	P.T.
Point on Curve	P.O.C.
Point on Tangent	P.O.T.
Property Line	P.L.
Project	Proj.
Radius/Range	R.
Reference Line	R.L.
Remaining	Rem.
Right	Rt.
Right of Way	R/W
Section	Sec.
Shed	S.
South	S.
Southeast	SE
Southwest	SW
Square Feet	S.F.
State Trunk Highway	S.T.H.
Station	Sta.
Tangent Length of Curve	T.
Temporary Limited Easement	T.L.E.
Town	T.
United States Highway	U.S.H.
West	W.

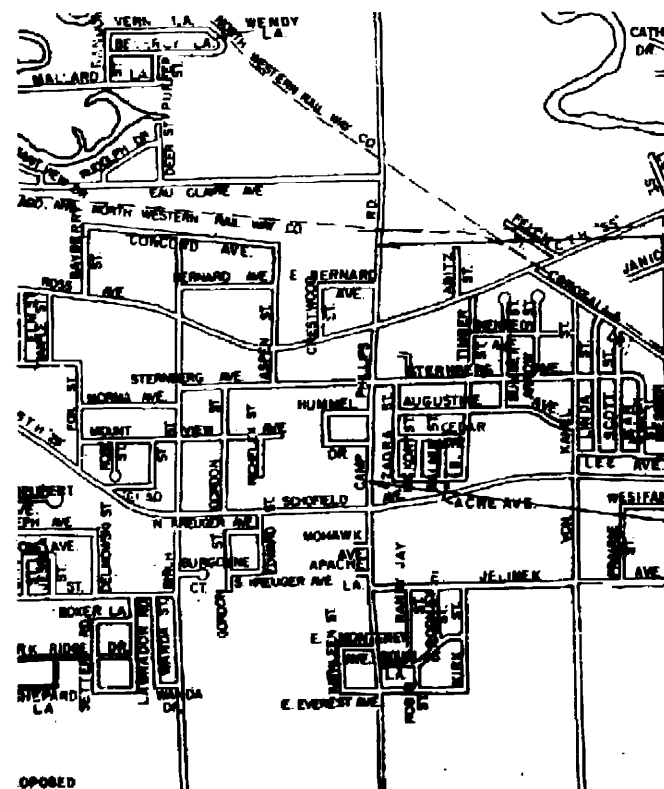
NOTES

COORDINATES AND BEARINGS ON THIS PLAT ARE ORIENTED TO THE WISCONSIN COORDINATE SYSTEM CENTRAL ZONE. ALL PLAT DISTANCES ARE GROUND LENGTH AND MAY BE CONVERTED TO GRID LENGTH BY MULTIPLYING THE DISTANCE BY THE GRID FACTOR OF 0.999905.

RIGHT OF WAY MONUMENTS ARE TYPE 2 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.

COORDINATES ON THE PLAT ARE BASED ON THE NAD 27 DATUM.



Layout
SCALE 0 0.230 MILES

TOTAL NET LENGTH OF CENTERLINE = 0.573 MI. URBAN

R / W PROJECT NUMBER 6999-01-69	SHEET NUMBER 4.0	TOTAL SHEETS 5
FEDERAL PROJECT NUMBER		
PLAT OF RIGHT OF WAY REQUIRED FOR CAMP PHILLIPS ROAD		
MARATHON CO.		
6999-01-69		4.0



ORIGINAL PLANS PREPARED BY
BECHER-HOPPE ASSOC., Inc.
WAUSAU, WISCONSIN



Date _____ Signature _____
Date _____ Signature _____

REVISION DATE
TOWN OF WESTON
MARATHON COUNTY, WISCONSIN

Approved:
Date _____
Chairman, Town of Weston

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER	INTEREST REQUIRED	TOTAL ACRES OR (SF)	R/W ACRES OR (SF)			TOTAL ACRES OR (SF) REMAIN	TLE ACRES OR (SF)
				NEW	EXIST	TOTAL		
1	PENSKE TRUCK LEASING CO	FEE	7.40	0.04	NONE	0.04	7.36	0.05
2	DANIEL VERGIN	TLE	0.45		NONE		0.45	0.01
3	BRENT & DENISE HOWLAND	FEE	(20,908.80)	(219.60)	NONE	(219.60)	(20,689.20)	0.01
4	ALLEN & DAWN GILBERTSON	FEE	(19,253.52)	(201.30)	NONE	(201.30)	(19,052.22)	0.01
5	GEORGE & JOANNE WOODRICH	TLE	1.49		NONE		1.49	0.01
6	SCOTT P. COOK	FEE	(16,509.24)	(183.00)	NONE	(183.00)	(16,326.24)	0.01
7	THEODORE W. & JANET H. WIDULE (KUNZE)	TLE	0.30		NONE		0.30	0.02
8	SABINA MALINOWSKI	FEE	(15,202.44)	(192.15)	NONE	(192.15)	(15,010.29)	0.01
9	ROMAN & MARY AUGUSTINE	TLE	0.41		NONE		0.41	0.01
10	LAVERN L. & DELORES A. BRANDT	TLE	0.32		NONE		0.32	0.02
11	BRIAN & CYNTHIA RISBERG	FEE	(15,246.00)	(192.15)	NONE	(192.15)	(15,053.85)	0.02
12	RICHARD R. & DAWN M. BENDER	TLE	0.32		NONE		0.32	0.01
13	RUPERT & DOROTHY POLJASKI	FEE	(15,246.00)	(192.15)	NONE	(192.15)	(15,053.85)	0.02
14	ROGER & JEAN MANDOWSKI	FEE	(15,246.00)	(192.15)	NONE	(192.15)	(15,053.85)	0.02
15	SUSAN A. ROLOFF (WILKE)	FEE	(14,374.80)	(18.30)	NONE	(18.30)	(14,356.50)	0.03
17	FRANCE, ELMER G. REVOCABLE TRST (THE)	TLE	0.32		NONE		0.32	0.02
18	PAUL F. & LAURIE K. WADZINSKY	TLE	0.30		NONE		0.30	0.02
19	SCOTT A. & MARGARET S. JENNEJOHN	TLE	0.33		NONE		0.33	0.04
20	LEONA STANKOWSKI	TLE	0.30		NONE		0.30	0.04
21	JOEY G. THORSON	TLE	0.30		NONE		0.30	0.01
23	DON P. WEBBER	TLE	0.32		NONE		0.32	0.02
24	JOINT SCHOOL DISTRICT NO. 1	TLE	25.00		NONE		25.00	0.19
25	CHRIS J. & DONNA R. PRICHARD	TLE	0.30		NONE		0.30	0.01
26	MOHAMMAD D. RAHMAN	TLE	0.32		NONE		0.32	0.01
27	EVERETT M. DAVIS	TLE	0.33		NONE		0.33	0.01
28	EVERETT M. DAVIS	TLE	0.35		NONE		0.35	0.01
29	THOMAS L. & MARY E. FAHEY	TLE	0.36		NONE		0.36	0.01
30	THOMAS L. & MARY E. FAHEY	TLE	0.35		NONE		0.35	0.01
32	G & B PRODUCE INC.	TLE	1.36		NONE		1.36	0.03
33	G & B PRODUCE INC.	TLE	0.52		NONE		0.52	0.01
34	DOUGLAS L. & JACQUELIN M. BENDER	TLE	0.67		NONE		0.67	0.01
35	WALTER BUCHKOWSKI JR. & AUDREY BUCHOWSKI	TLE	0.63		NONE		0.63	0.04
36	G & B PRODUCE INC.	TLE	11.66		NONE		11.66	0.06
38	JEAN A. KRUNCOS	TLE	2.40		NONE		2.40	0.06
39	ROMAN & MARYANN AUGUSTINE	FEE	(1,861.20)	(10.30)	NONE	(10.30)	(1,850.90)	(28.20)

REVISION DATE
11/30/94

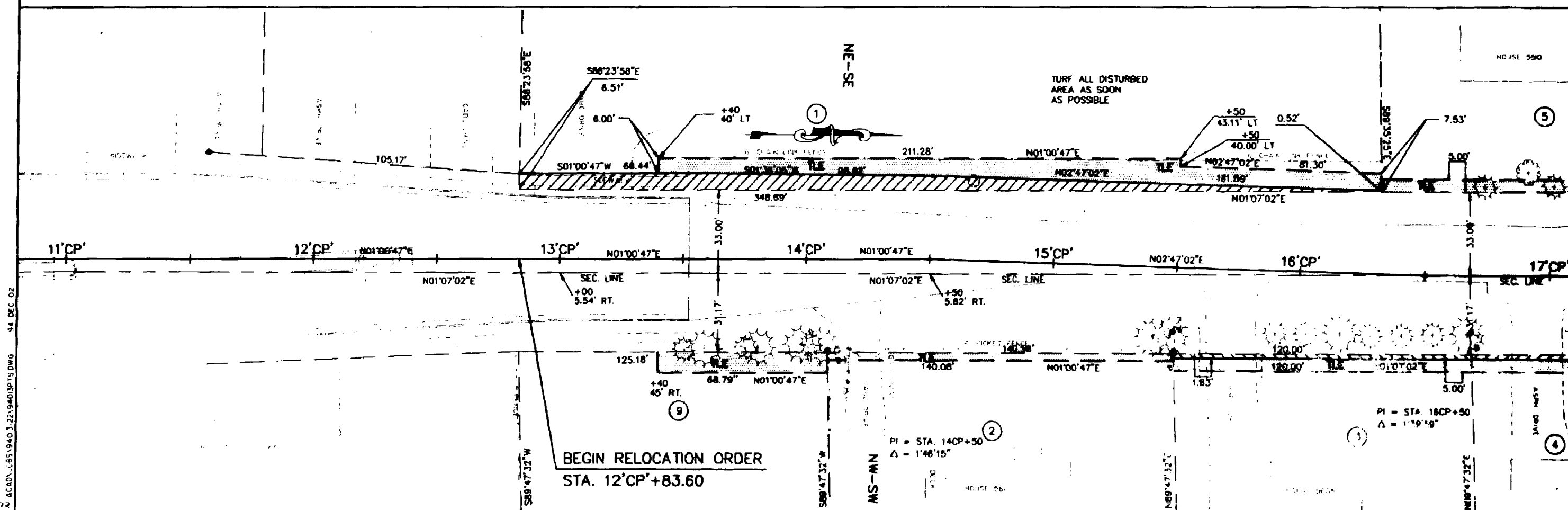
ROUTE COUNTY DATE
CAMP PHILLIPS RD MARATHON '94 OCT. '13

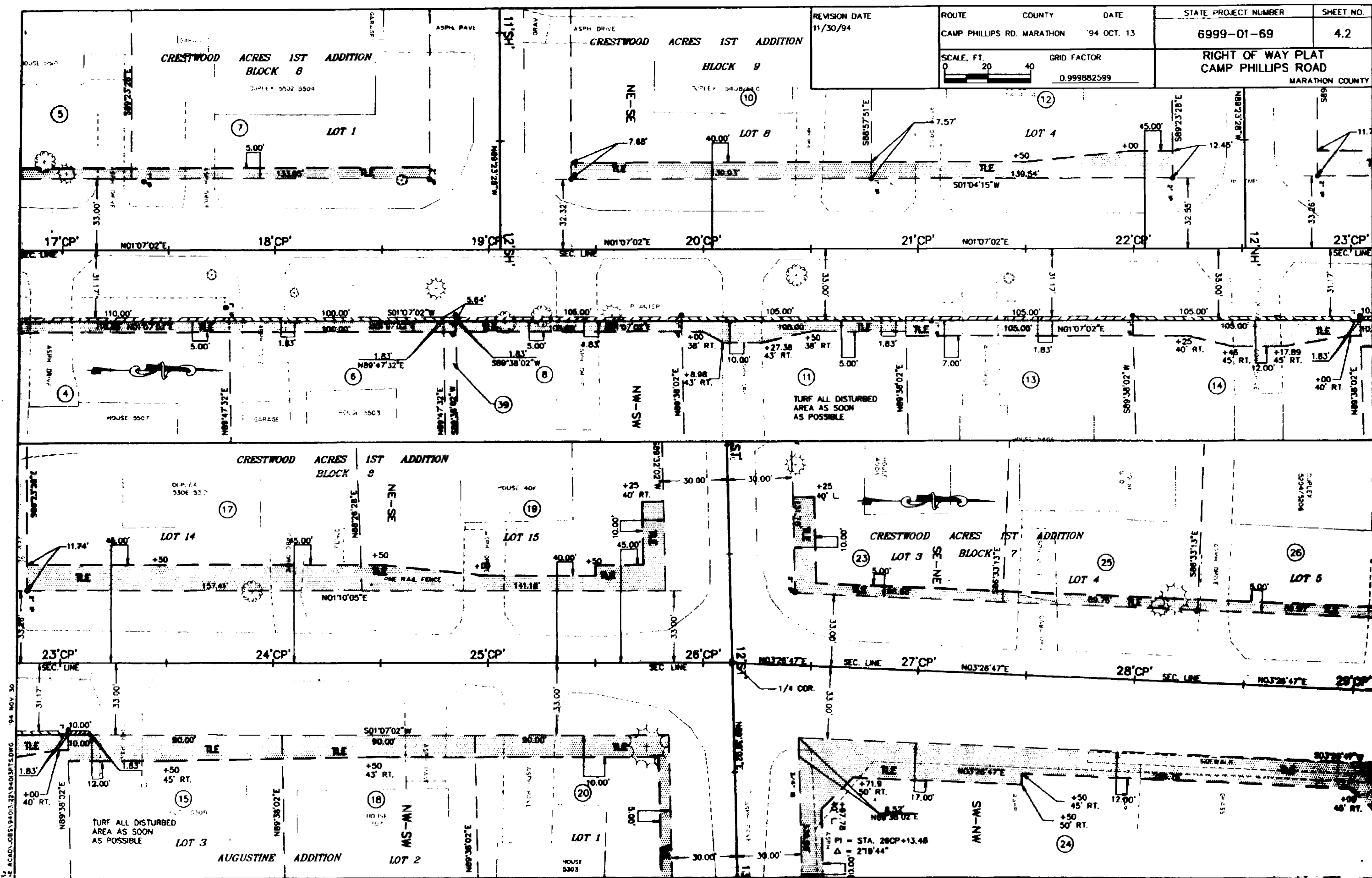
STATE PROJECT NUMBER
6999-01-69

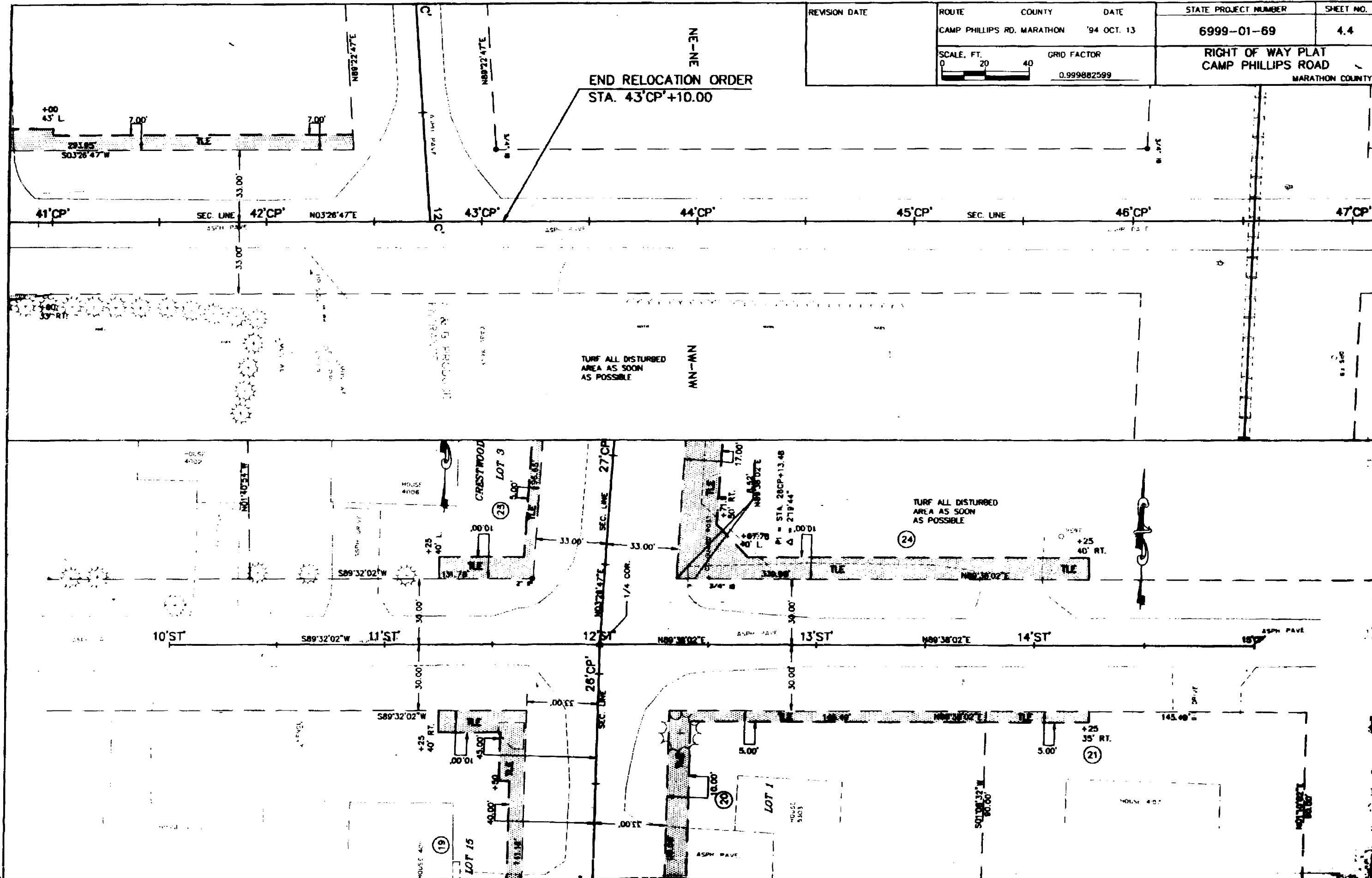
SHEET NO.
4.1

SCALE, FT. GRID FACTOR
0 20 40 0.995882599

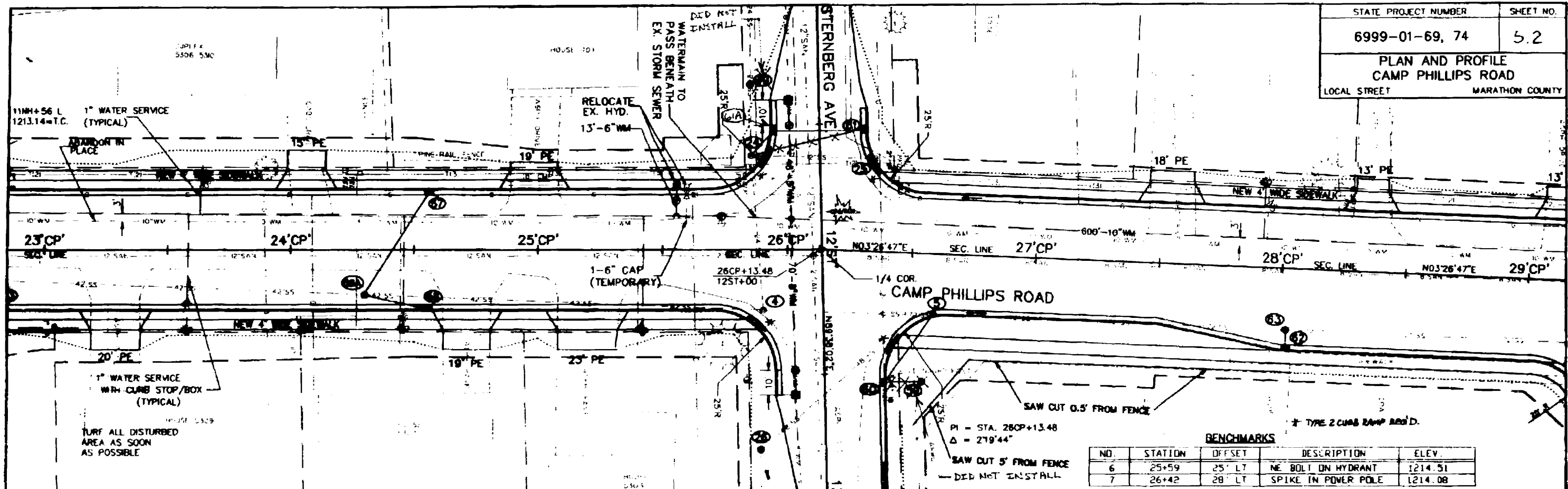
RIGHT OF WAY PLAT
CAMP PHILLIPS ROAD
MARATHON COUNTY



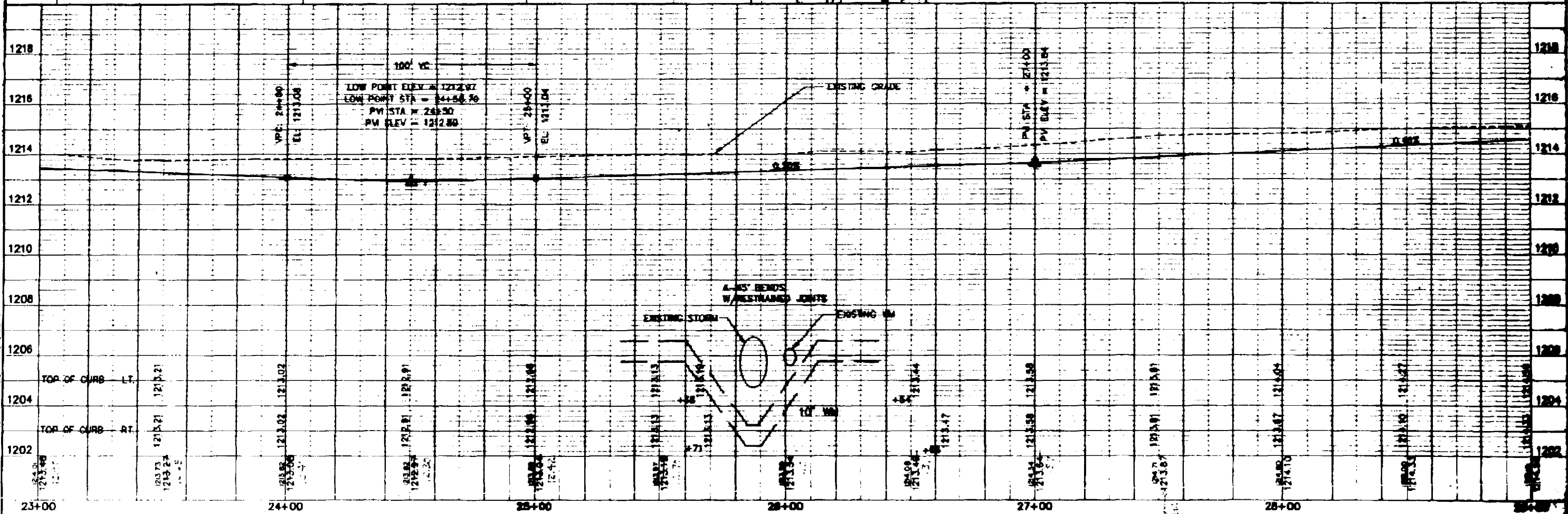


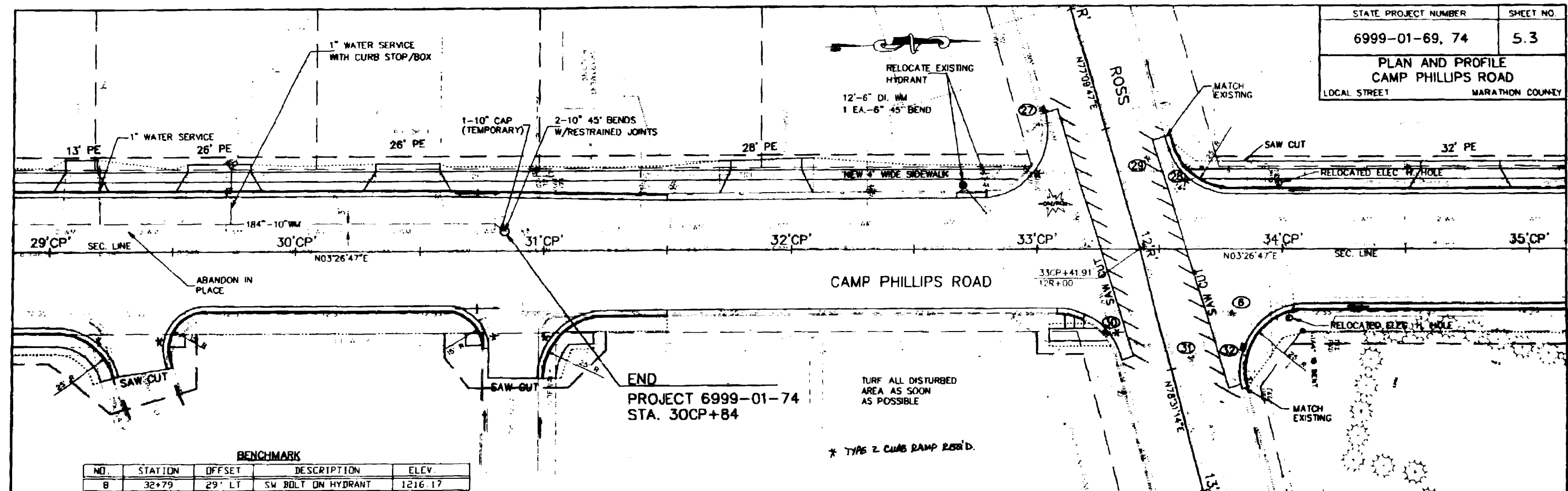


REVISION DATE	ROUTE	COUNTY	DATE	STATE PROJECT NUMBER	SHEET NO.
	CAMP PHILLIPS RD.	MARATHON	'94 OCT. 13	6999-01-69	4.4
	RIGHT OF WAY PLAT CAMP PHILLIPS ROAD MARATHON COUNTY				
SCALE, FT. 0 20 40		GRID FACTOR 0.999882599			

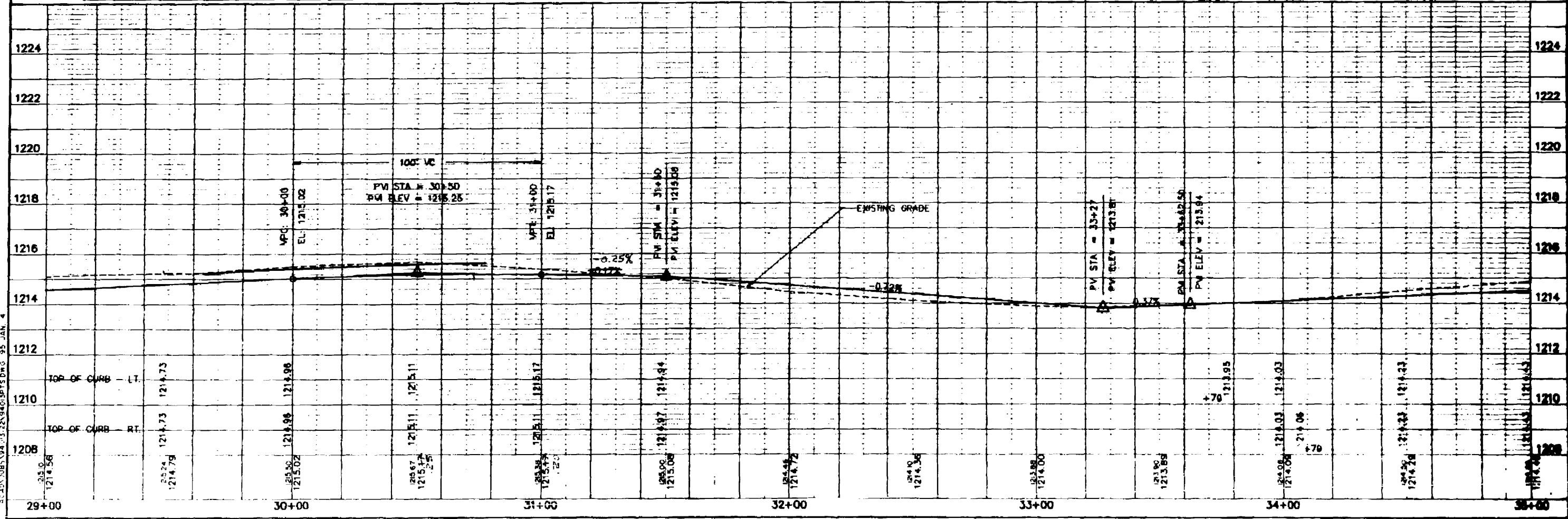


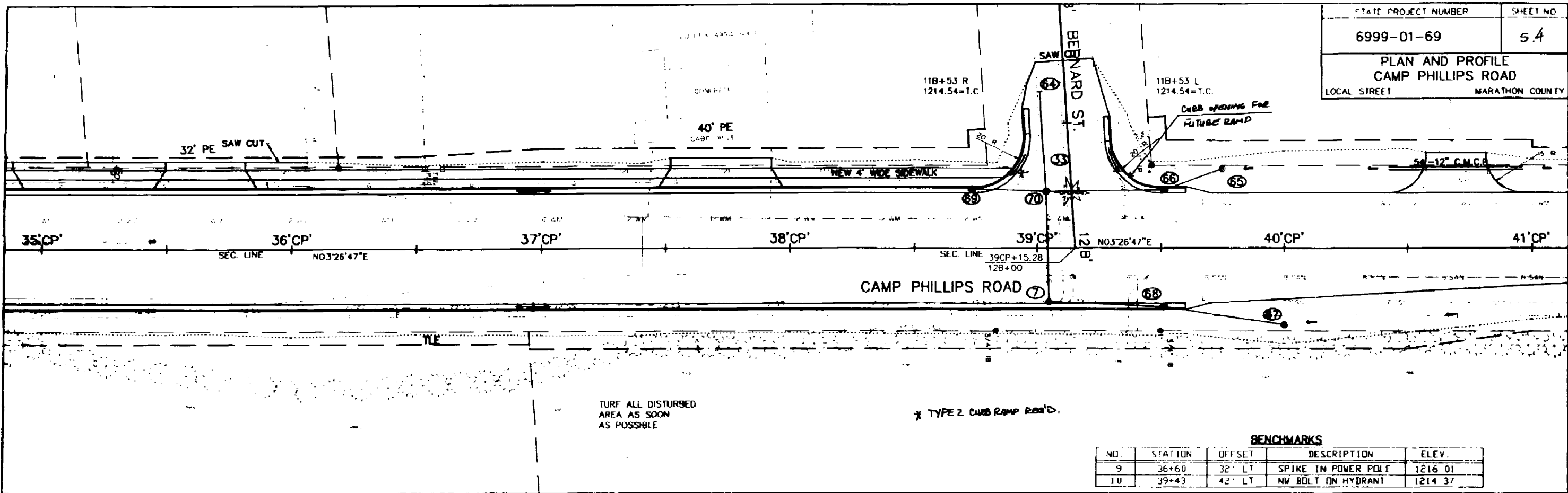
BENCHMARKS				
NO.	STATION	OFFSET	DESCRIPTION	ELEV.
6	25+59	25' LT	NE BOLT ON HYDRANT	1214.51
7	26+42	28' LT	SPIKE IN POWER POLE	1214.08





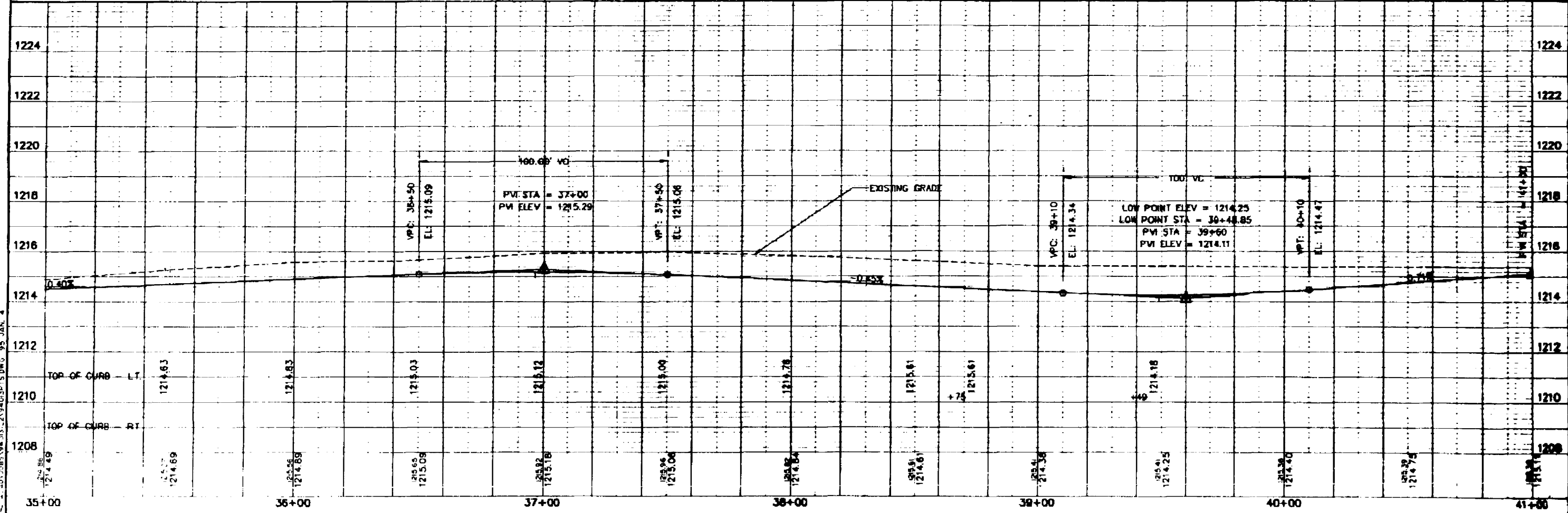
BENCHMARK				
NO.	STATION	OFFSET	DESCRIPTION	ELEV.
B	32+79	29' LT	SW BOLT ON HYDRANT	1216.17





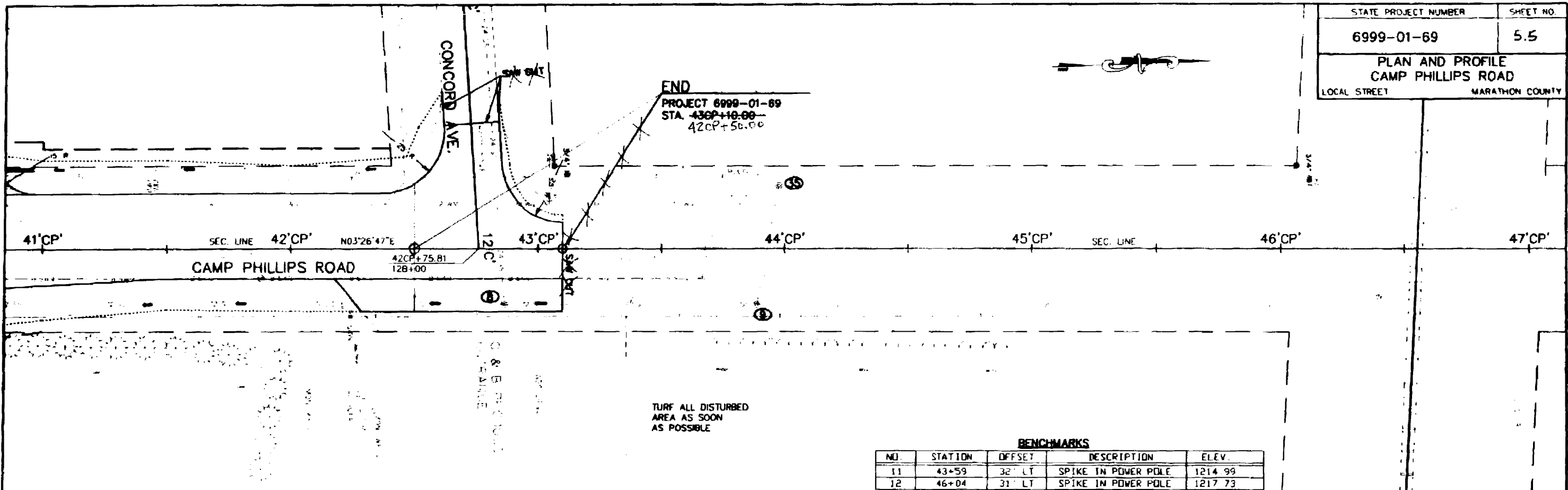
BENCHMARKS

NO.	STATION	OFFSET	DESCRIPTION	ELEV.
9	36+60	32' LT	SPIKE IN POWER POLE	1216.01
10	39+43	42' LT	NW BOLT ON HYDRANT	1214.37



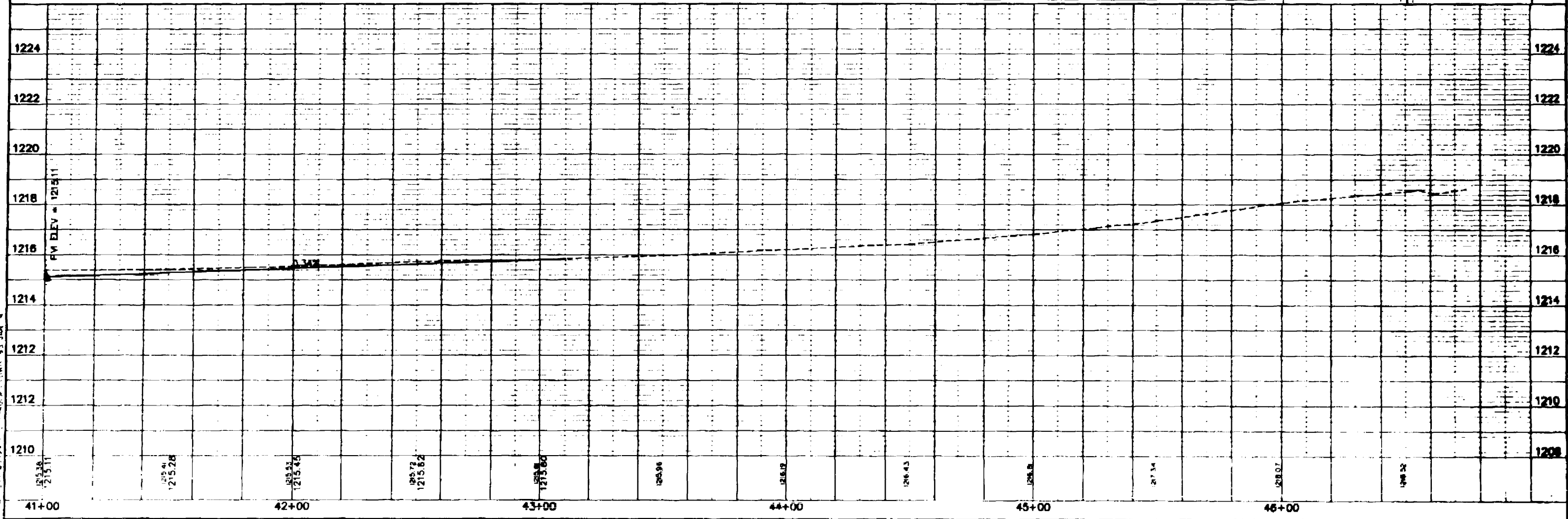
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STATE PROJECT NUMBER	SHEET NO.
6999-01-69	5.5
PLAN AND PROFILE CAMP PHILLIPS ROAD	
LOCAL STREET	MARATHON COUNTY

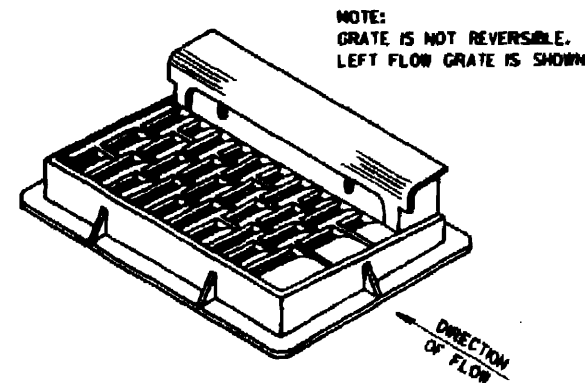
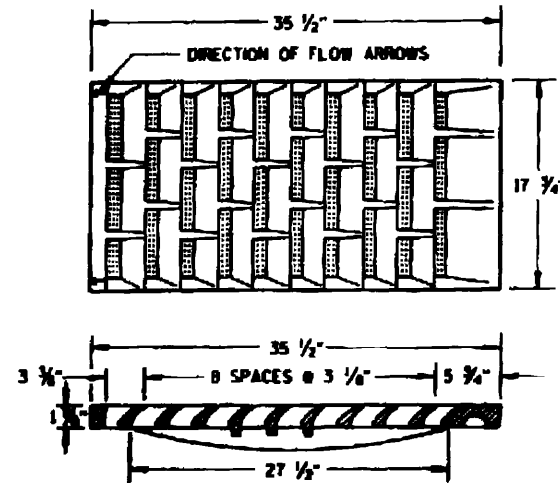


BENCHMARKS

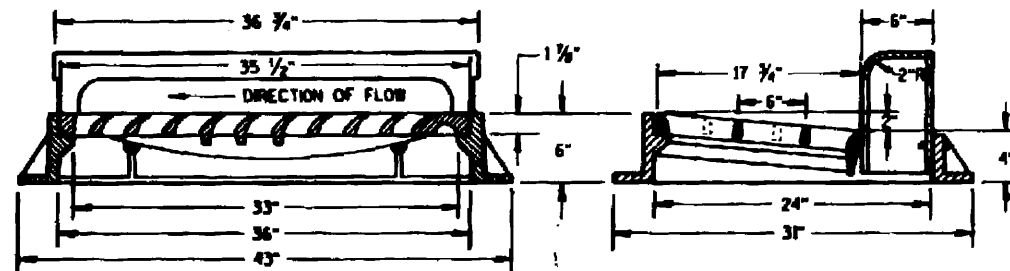
NO.	STATION	OFFSET	DESCRIPTION	ELEV.
11	43+59	32' LT	SPIKE IN POWER POLE	1214.99
12	46+04	31' LT	SPIKE IN POWER POLE	1217.73



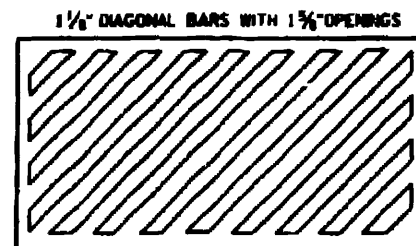
JUL 18 1994 7:40 AM LHW 95 JAN 4



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"



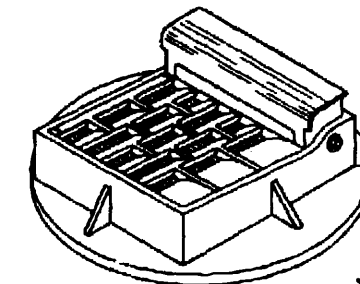
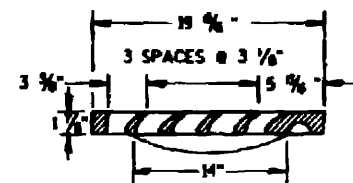
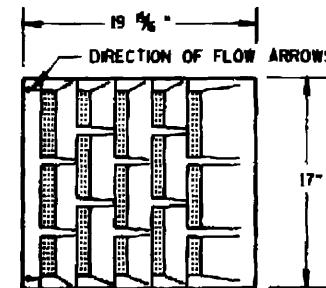
TYPE "H"
(APPROXIMATE WEIGHT 145 LBS.)
FRAME..... 135 LBS.
GRATE..... 135 LBS.
CURB BOX..... 15 LBS.



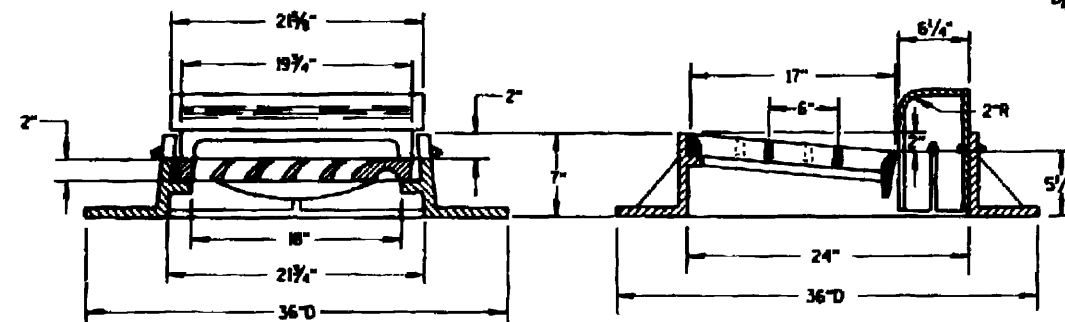
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/2" X 17 3/4" X 2")
(APPROXIMATE WEIGHT 170 LBS.)
GRATE..... 170 LBS.

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

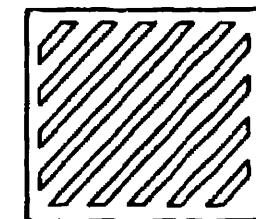


NOTE: CURB BOX ADJUSTABLE 4" TO 9"



TYPE "A"
(APPROXIMATE WEIGHT 405 LBS.)
FRAME..... 235 LBS.
GRATE..... 85 LBS.
CURB BOX..... 85 LBS.

1" DIAGONAL BARS WITH 1 1/2" OPENINGS



SPECIAL GRATE FOR TYPE "A" COVER

(MEASURES 19 3/8" X 17" X 1 1/8")
GRATE..... 85 LBS.

(NOTED AS TYPE A-S ON DRAINAGE TABLE)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

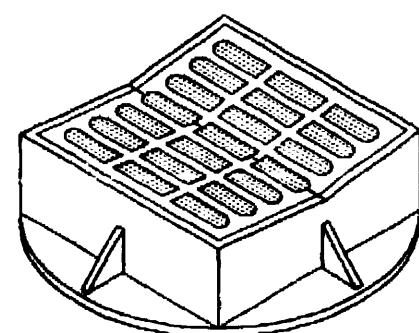
THE ACTUAL WEIGHT OF COVERS MAY VARY WITHIN 5 PERCENT, PLUS OR MINUS, OF THE APPROXIMATE WEIGHT.

INLET COVERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
DATE 10/19/88
CHIEF ROADWAY DESIGN ENGINEER

PHBA



Technical drawing of a rectangular plate with a grid of vertical slots. The top view shows a 3x10 grid of slots. The side view shows the plate's thickness and the slot dimensions.

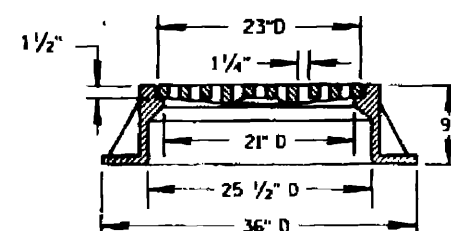
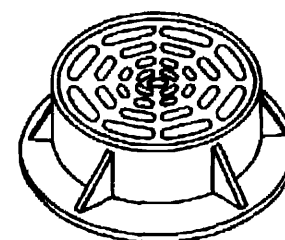
Top View Dimensions:

- Overall width: $22 \frac{1}{2}"$
- Overall height: $22 \frac{1}{2}"$
- Slot width: $\frac{1}{8}"$
- Slot spacing: $\frac{1}{4}"$
- Slot depth: r

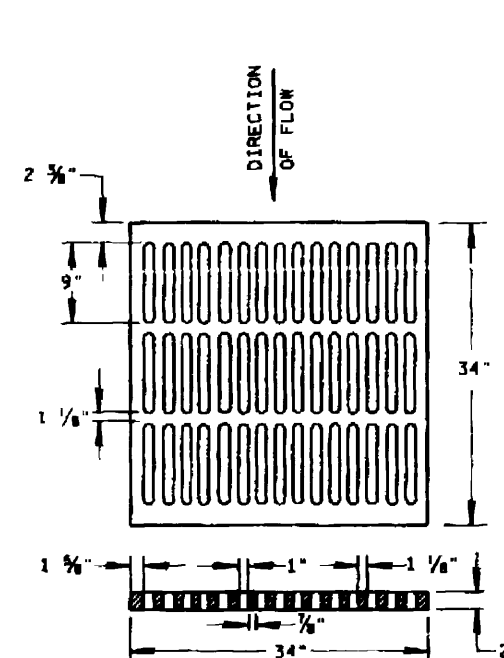
Side View Dimensions:

- Plate thickness: $\frac{1}{4}"$
- Slot depth: $\frac{1}{8}"$
- Slot width: $\frac{1}{8}"$
- Slot spacing: $\frac{1}{4}"$
- Slot depth: r

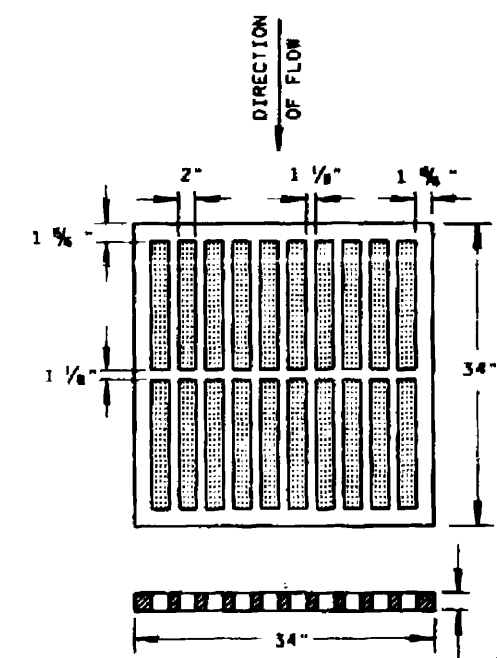
USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS POSSIBLE.
NOTED AS TYPE B-A ON THE DRAINAGE TABLE



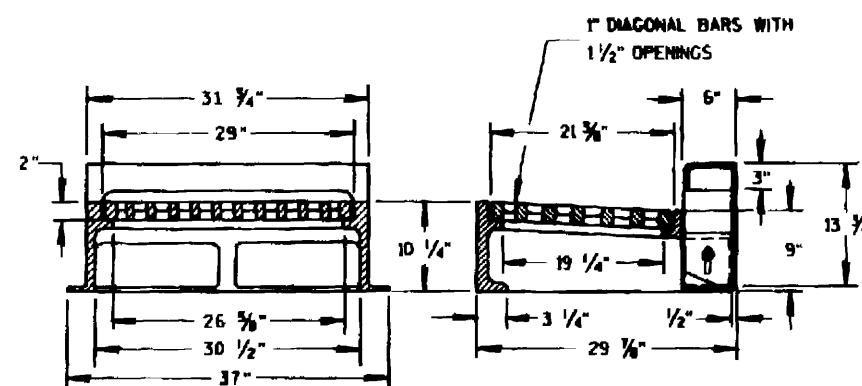
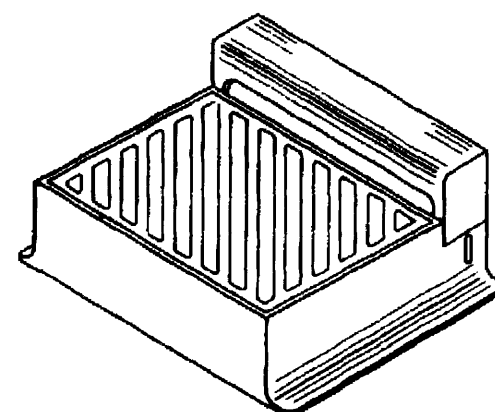
FRAME..... 235 LBS.
GRATE..... 105 LBS.



USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE



USE ON FREEWAYS AND EXPRESSWAYS
NOTED AS TYPE MS ON DRAINAGE TABLE



FRAME.....	360	LBS.
GRATE.....	160	LBS.
CURB BOX.....	150	LBS.

DIAGONAL SLOTS, SHALL BE ORIENTED TO THE DIRECTION OF FLOW AS ILLUSTRATED. GRATES ARE MANUFACTURED TO BE REVERSIBLE.

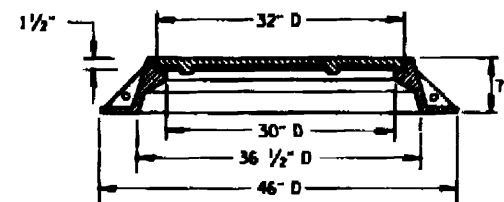
**DIRECTION
OF FLOW**

S.D.D. 8 A 5-10b

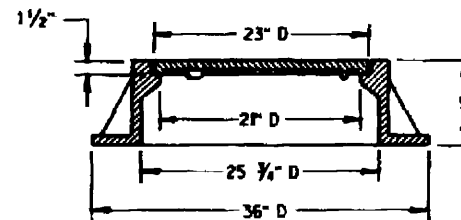
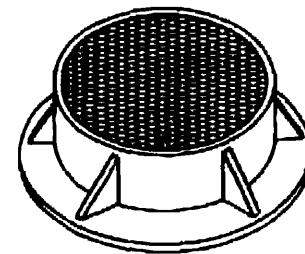
APPROVED
12/10/96
DATE

[Signature]
CHIEF ROADWAY DESIGN ENGINEER

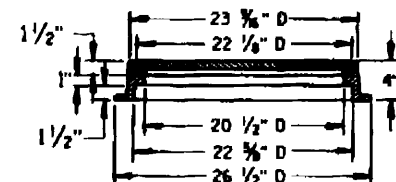
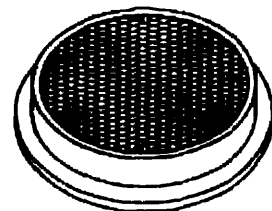
S.D.D. B A 5-100



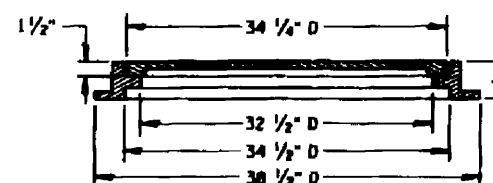
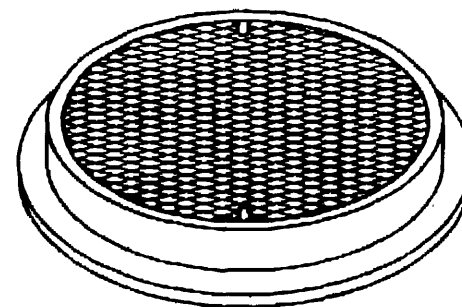
TYPE "K"
(APPROXIMATE WEIGHT 535 LBS.)
FRAME.....330 LBS.
LID.....205 LBS.



TYPE "J"
(APPROXIMATE WEIGHT 315 LBS.)
FRAME.....200 LBS.
LID.....115 LBS.



TYPE "L"
(APPROXIMATE WEIGHT 145 LBS.)
FRAME..... 75"
LID..... 70"



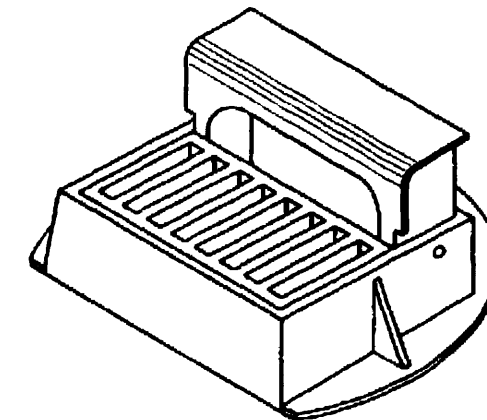
TYPE "M"
(APPROXIMATE WEIGHT 305 LBS.)
FRAME..... 125"
LID..... 260"

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS
DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD
SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

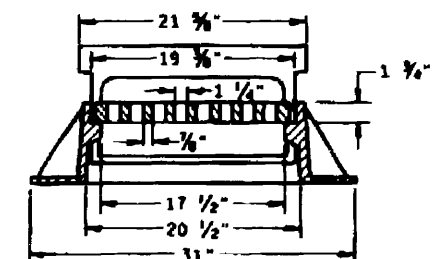
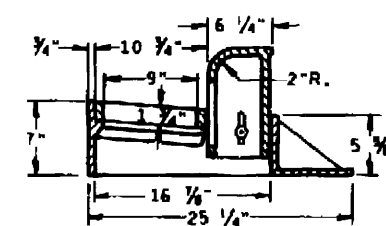
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

THE ACTUAL WEIGHT OF COVERS MAY VARY WITHIN 5 PERCENT, PLUS OR MINUS,
OF THE APPROXIMATE WEIGHT.



CURB BOX ADJUSTABLE 4" TO 10"



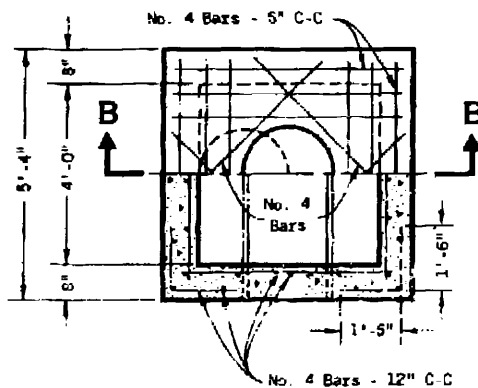
INLET COVER TYPE "Z"
(APPROXIMATE WEIGHT 280 LBS.)

FRAME.....	145 LBS.
GRATE.....	50 LBS.
CURB BOX.....	85 LBS.

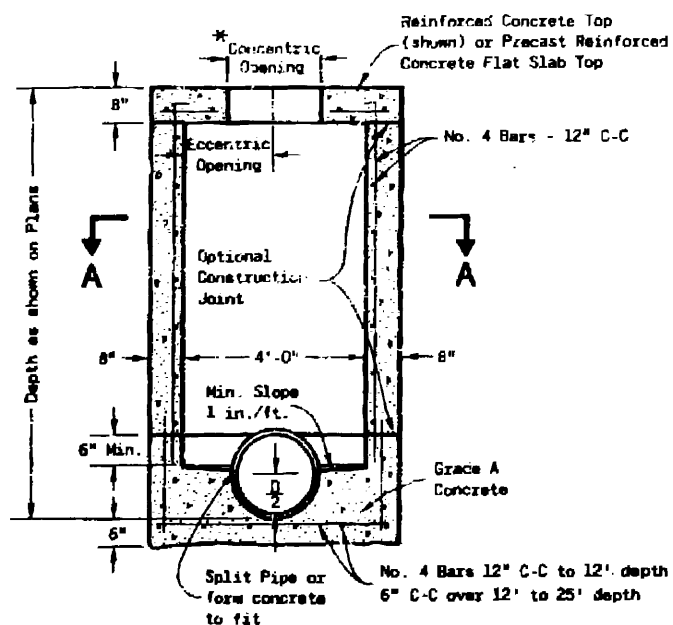
INLET AND MANHOLE COVERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

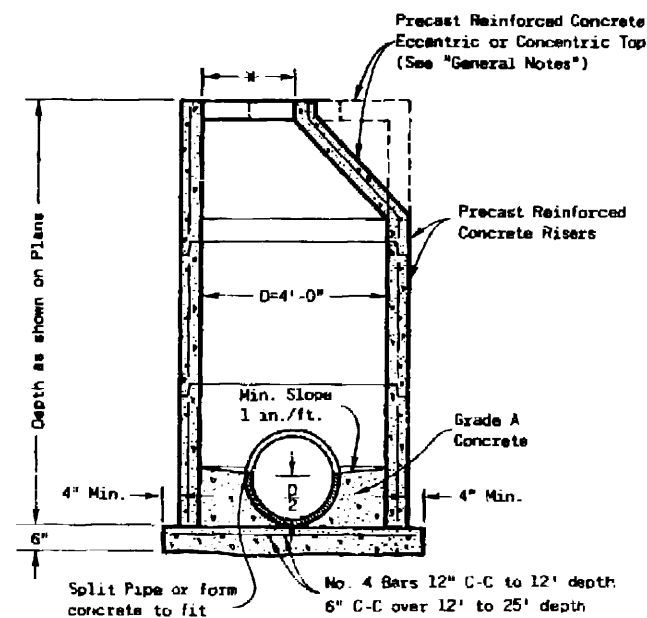
APPROVED
11/19/94
DATE
Terry L. Thompson
CHIEF ROADWAY DESIGN ENGINEER



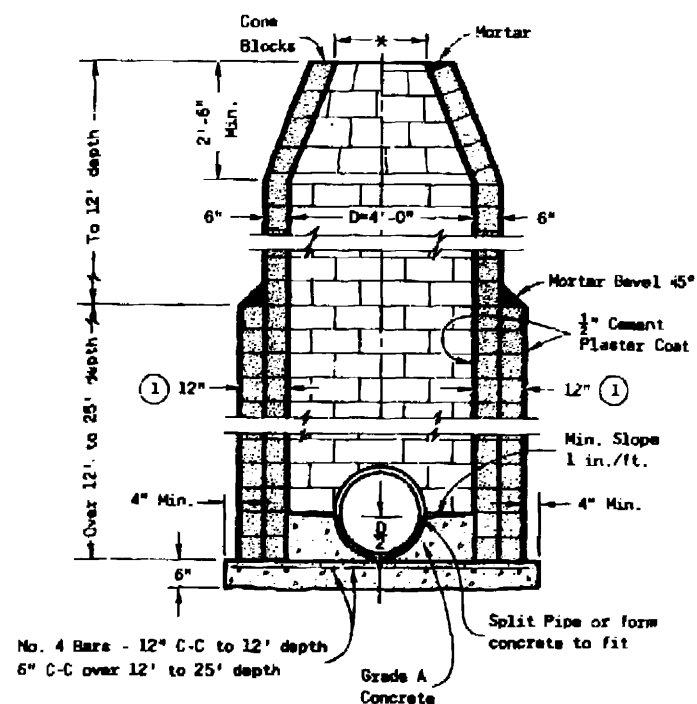
HALF SECTION A-A



SECTION B-B
REINFORCED CONCRETE



PRECAST REINFORCED CONCRETE



CONCRETE BLOCK

GENERAL NOTES

Details of construction, materials and workmanship not shown on this drawing shall conform to the pertinent requirements of the Standard Specifications and the applicable Special Provisions.

Detailed drawings for proposed alternate designs for underground drainage structures shall be submitted to the Engineer for approval providing that such alternate designs make provision for equivalent capacity and strength.

All drainage structures are designated on the plans as "Manholes 1-C", "Catch Basins 1-B", "Inlets 3-H", etc. The first digit designates the masonry portion of the structure, and the following letter designates the type of cover to be used to comprise the complete unit.

Precast Reinforced Bases shall be placed on a bed of material at least 6 inches in depth, which meets the requirements for Granular Backfill. This bedding shall be compacted and provide uniform support for the entire area of the base.

Precast Reinforced Concrete Cone Tops (Eccentric or Concentric) may be used on concrete block structures. The Cone Tops shall be installed on a bed of mortar.

Eccentric Cone Tops may be used on all structures, and Concentric Cone Tops shall be used only on structures 5 feet or less in depth, unless otherwise directed by the Engineer.

Steps meeting the following requirements shall be installed in all structures over 5 feet in depth: 16 inch C-C maximum spacing, project a minimum clear distance of 4 inches from the wall at the point of embedment, minimum length of 10 inches, minimum wall embedment of 3 inches; and be capable of supporting a concentrated load of 300 lbs. Ferrous metal steps not painted or treated to resist corrosion shall have a minimum cross sectional dimension of 1 inch.

Solid Aluminum steps shall have a minimum cross sectional dimension of 0.75 inch. Aluminum surfaces to be embedded in concrete shall be given one coat of sustainable quality paint, such as zinc chromate primer conforming to Federal Specification TT-P-645 or equivalent. Steps of approved Polypropylene plastic coated reinforcement bar will be acceptable.

All bar steel reinforcement shall be embedded 2 inches clear unless otherwise shown or noted.

Precast Reinforced Concrete Risers may be placed with tongue up or down.

All Precast Inlet Units shall conform to the pertinent requirements of MASH/D Designation M 199.

* Use 2'-0" diameter opening with Type "C", "L" and "J" covers, or 3'-0" diameter with Type "K" and "M" covers.

① 2 courses 6" block.

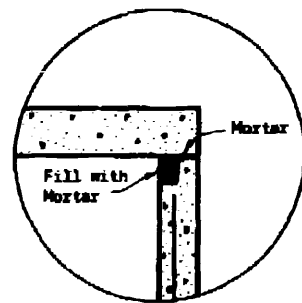
MANHOLES TYPE 1

State of Wisconsin
Department of Transportation

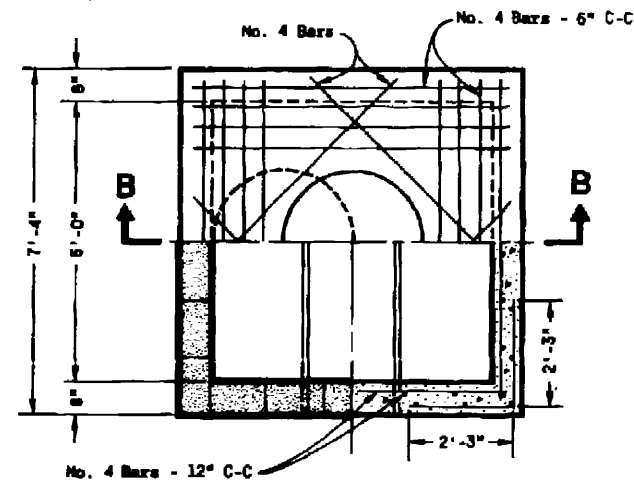
APPROVED
4-13-82

[Signature]

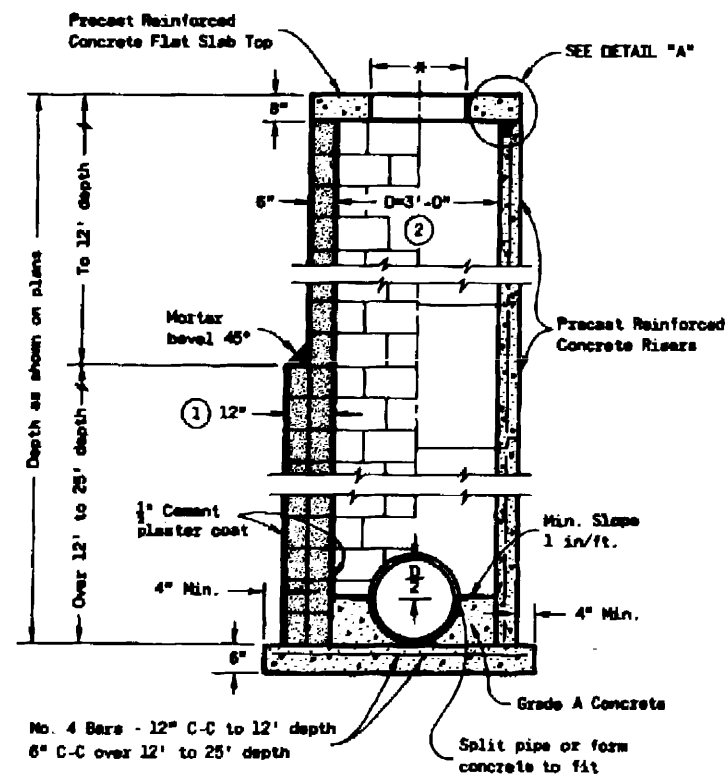
S.D.D. 8 B 6-3



DETAIL "A"

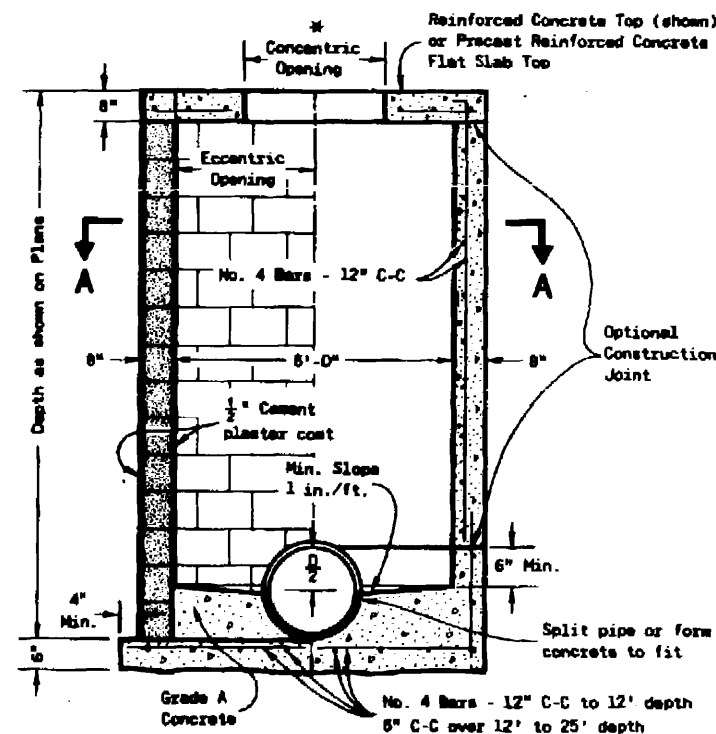


HALF SECTION A-A



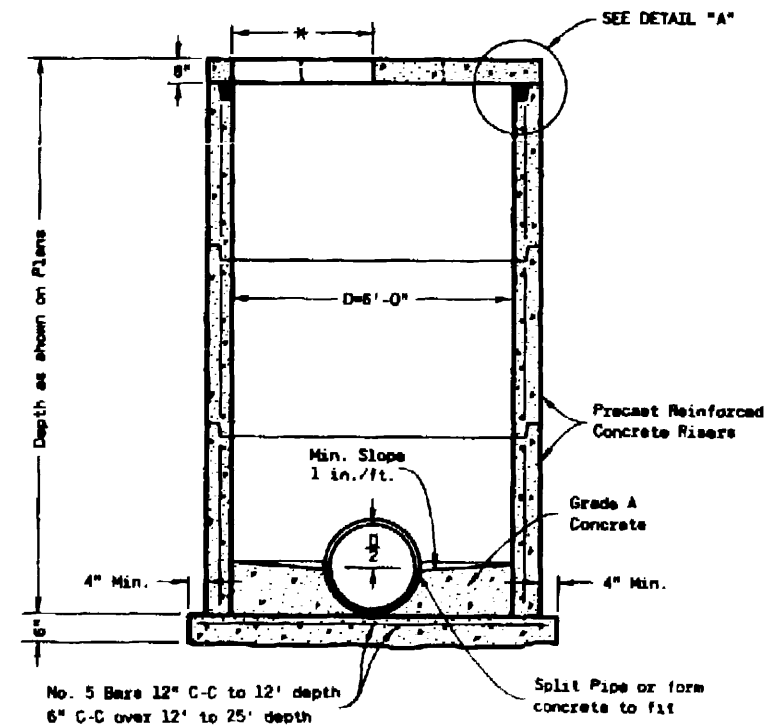
CONCRETE BLOCK
PRECAST REINFORCED CONCRETE

MANHOLES TYPE 2



CONCRETE BLOCK
REINFORCED CONCRETE

MANHOLES TYPE 3



PRECAST REINFORCED CONCRETE

GENERAL NOTES

Details of construction, materials and workmanship not shown on this drawing shall conform to the pertinent requirements of the Standard Specifications and the applicable Special Provisions.

Detailed drawings for proposed alternate designs for underground drainage structures shall be submitted to the Engineer for approval providing that such alternate designs make provision for equivalent capacity and strength.

All drainage structures are designated on the plans as "Manholes 1-C", "Catch Basins 1-B", "Inlets 3-H", etc. The first digit designates the masonry portion of the structure, and the following letter designates the type of cover to be used to comprise the complete unit.

Precast Reinforced Bases shall be placed on a bed of material at least 6" in depth, which meets the requirements for Granular Backfill. This bedding shall be compacted and provide uniform support for the entire area of the base.

Steps meeting the following requirements shall be installed in all structures over 5 feet in depth: 16 inch C-C maximum spacing; project a minimum clear distance of 4 inches from the wall at the point of embedment; minimum length of 10 inches; minimum wall embedment of 3 inches; and capable of supporting a concentrated load of 300 lbs. Ferrous metal steps not painted or treated to resist corrosion shall have a minimum cross sectional dimension of 1 inch.

Solid Aluminum steps shall have a minimum cross sectional dimension of 0.75 inch. Aluminum surfaces to be embedded in concrete shall be given one coat of suitable quality paint, such as zinc chromate primer conforming to federal specification TT-P-645 or equivalent. Steps of approved Polypropylene plastic coated reinforcement bar are acceptable.

All bar steel reinforcement shall be embedded 2 inches clear unless otherwise shown or noted.

Precast Reinforced Concrete Risers shall be placed with tongue down.

All precast inlet units shall conform to the pertinent requirements of AASHTO Designation M 199.

* Use 2'-0" diameter opening with type "C", "L", and "J" covers, or 3'-0" diameter with type "K" and "M" covers.

① 2 courses 6" block.

② When connecting pipes are 24" or larger the Precast Manholes may be increased to 42" diameter.

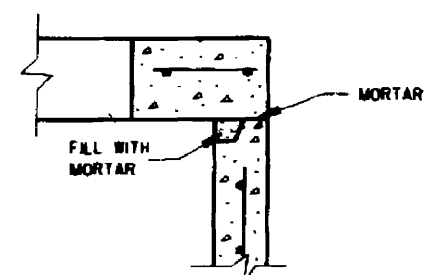
MANHOLES TYPE 2 & 3

State of Wisconsin
Department of Transportation

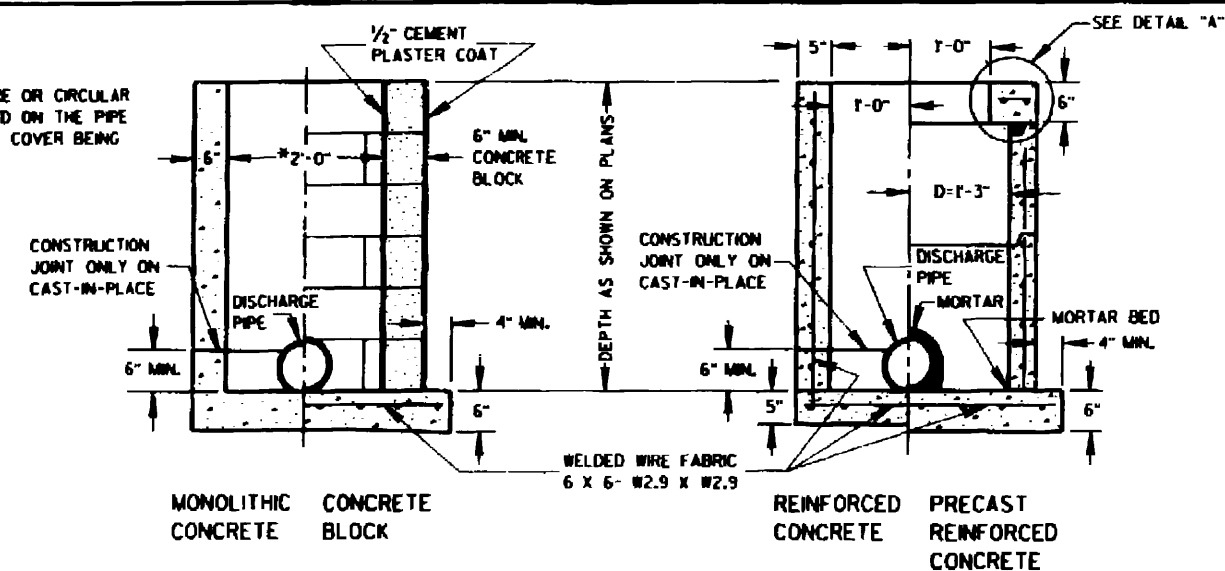
APPROVED
4-13-82
DATE

DESIGN ENGINEER

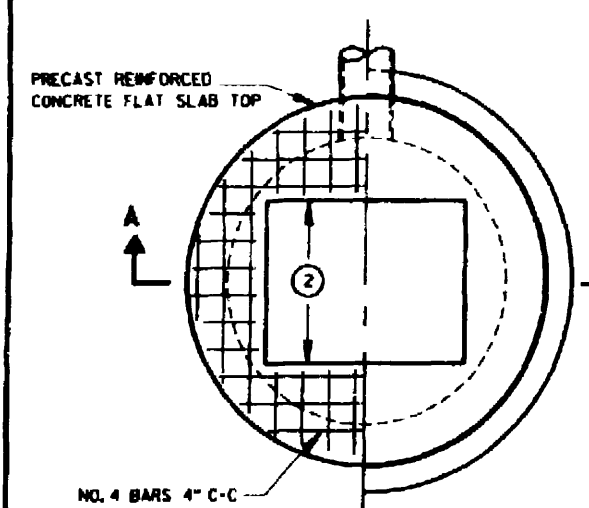
*SELECTION OF SQUARE OR CIRCULAR DESIGN WILL BE BASED ON THE PIPE SIZES AND THE INLET COVER BEING UTILIZED



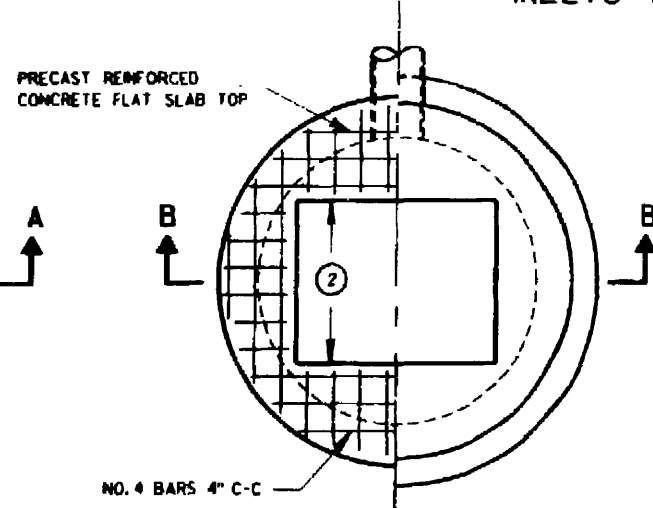
DETAIL "A"



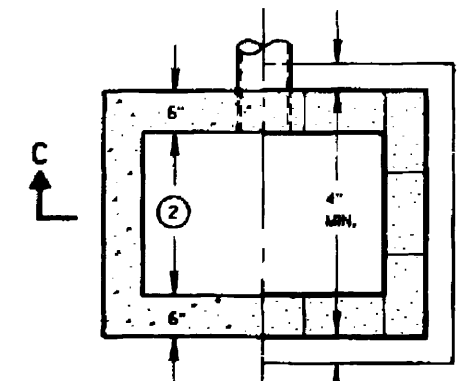
INLETS TYPE 1



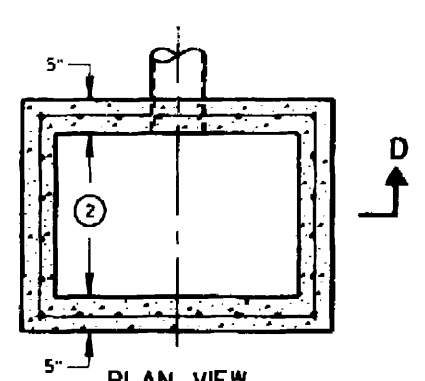
PLAN VIEW



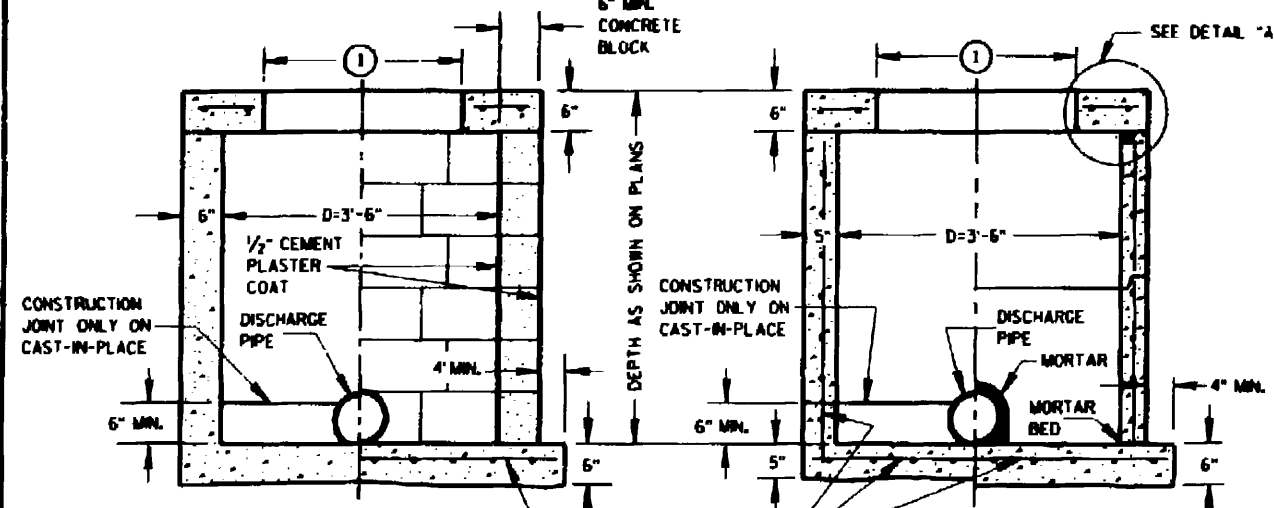
PLAN VIEW



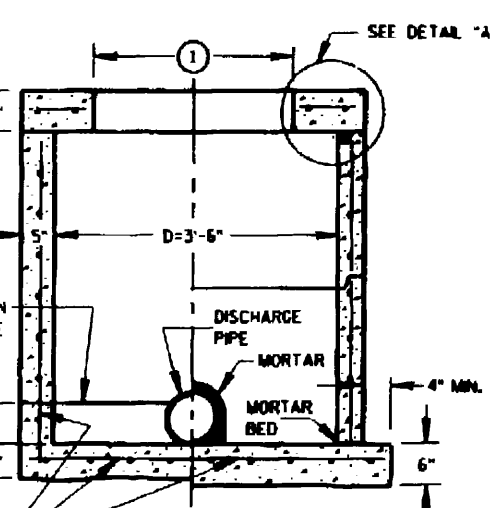
PLAN VIEW



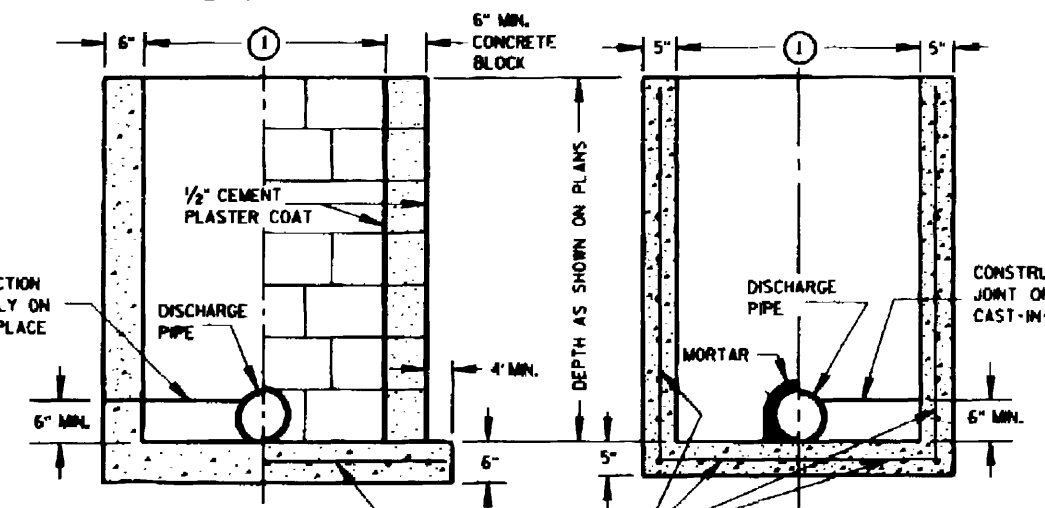
PLAN VIEW



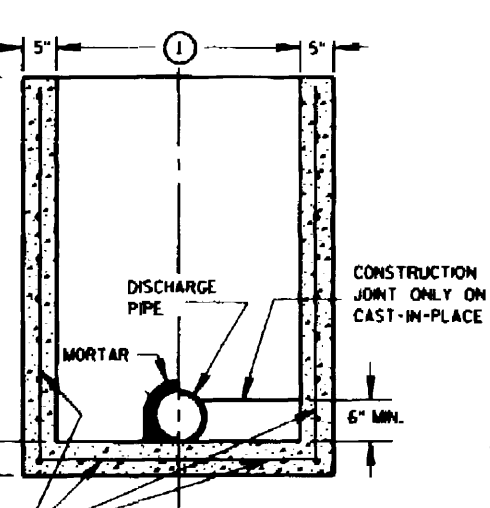
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES I-C", "CATCH BASINS I-B", "INLETS 3-W", ETC. THE FIRST DIGIT DESIGNATES THE MASONRY PORTION OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

PRECAST REINFORCED BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON THE STRUCTURES. THE TOPS SHALL BE INSTALLED ON A BED OF MORTAR.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

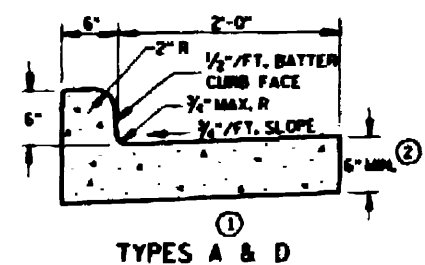
PRECAST REINFORCED CONCRETE RISERS SHALL BE PLACED WITH TONGUE DOWN.

- USE 2'-6" OPENING FOR TYPE 2 INLETS, 3'-0" OPENING FOR TYPE 3 INLETS, AND 2'-11" FOR TYPE 4 INLETS.
- USE 2'-0" OPENING FOR TYPE 1, 2 & 3 INLETS, 2'-6 1/2" OPENING FOR TYPE 4 INLETS.

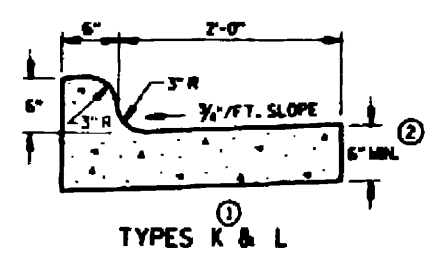
INLETS TYPE 1, 2, 3 & 4

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

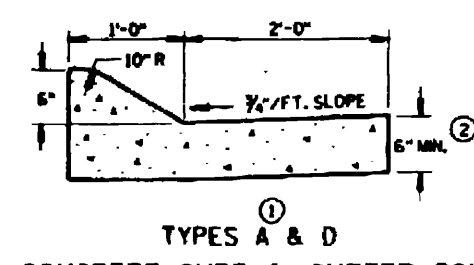
APPROVED
DATE
CHIEF HIGHWAY DEVELOPMENT ENGINEER



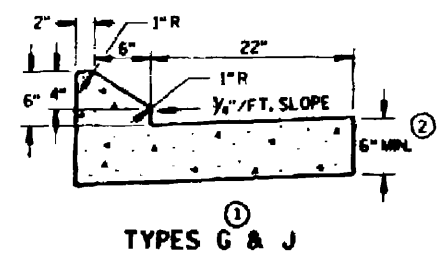
TYPES A & D



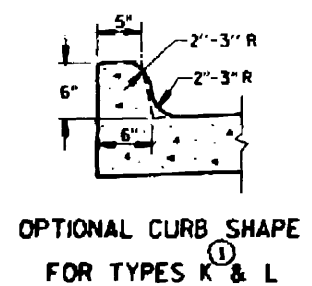
TYPES K & L



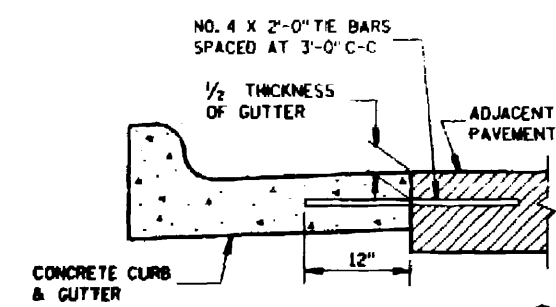
TYPES A & D
CONCRETE CURB & GUTTER 36"



TYPES G & J

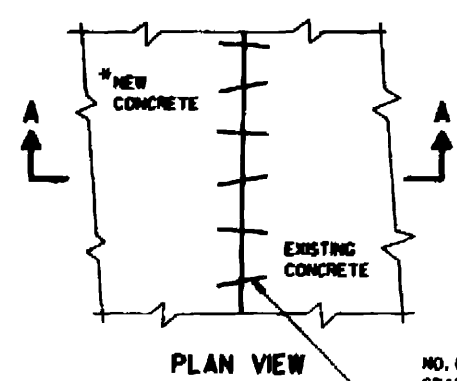


OPTIONAL CURB SHAPE
FOR TYPES K & L

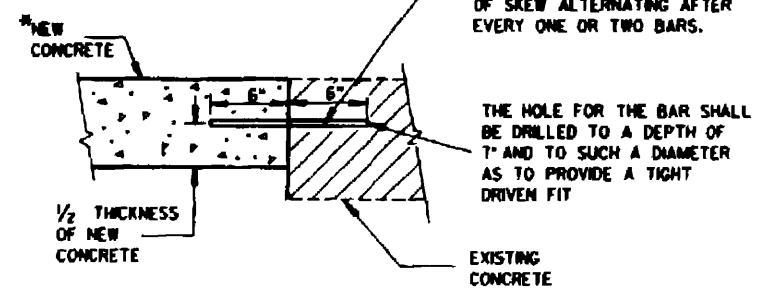


TYPICAL TIE BAR LOCATION

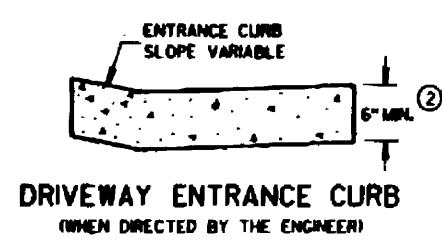
CONCRETE CURB & GUTTER 30"



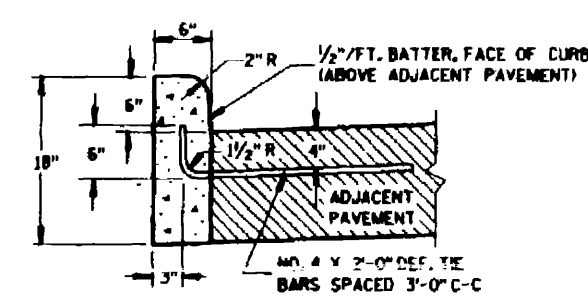
PLAN VIEW



SECTION A-A
PAVEMENT TIES

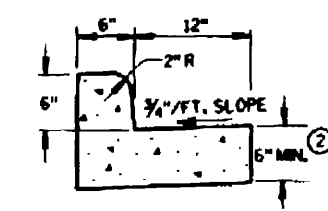


DRIVEWAY ENTRANCE CURB
(WHEN DIRECTED BY THE ENGINEER)

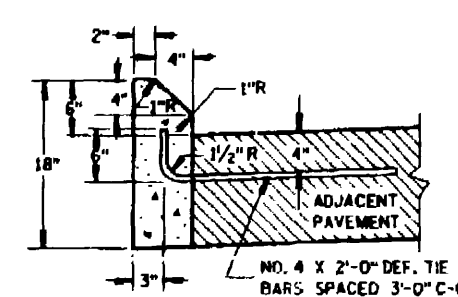


TYPES A & D

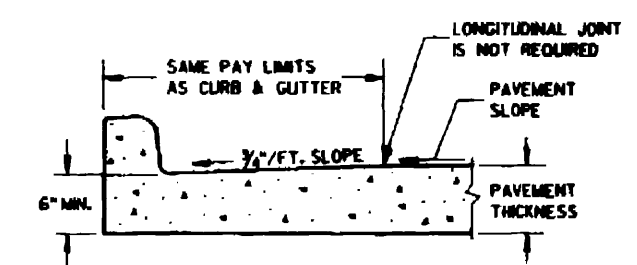
CONCRETE CURB



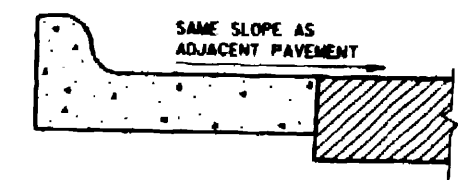
TYPES A & D
CONCRETE CURB & GUTTER 18"



TYPES G & J



PARTIAL SECTION OF PAVEMENT
WITH INTEGRAL CURB & GUTTER

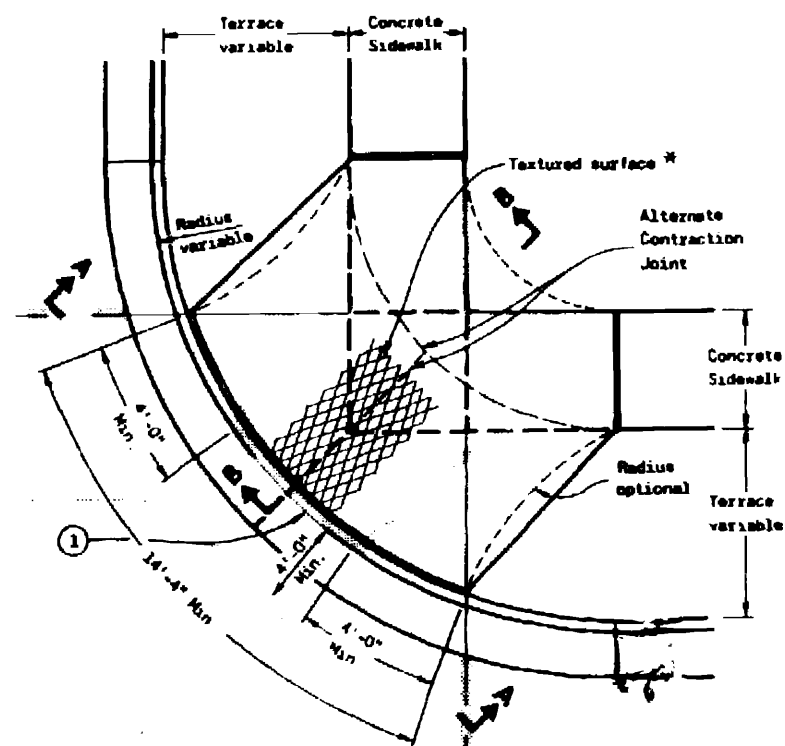


REVERSE SLOPE GUTTER
(TYPICAL FOR ALL CURB & GUTTER TYPES)

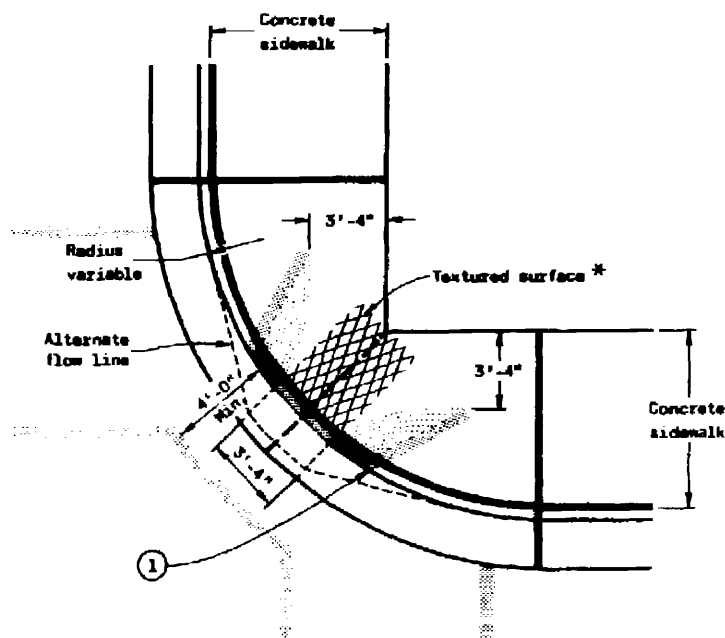
GENERAL NOTES

- DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.
- SEALANT IS NOT REQUIRED IN THE JOINTS OF CONCRETE CURB OR CONCRETE CURB & GUTTER EXCEPT AS REQUIRED FOR INTEGRAL GUTTER.
- PAVEMENT TIES ARE REQUIRED, WHEN INCLUDED IN THE CONTRACT, WHERE CONCRETE CURB, CONCRETE CURB AND GUTTER OR CONCRETE PAVEMENT IS PLACED ADJACENT TO EXISTING CONCRETE.
- PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.4 OF THE STANDARD SPECIFICATIONS.
- INTEGRAL CURB & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB & GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE, TIE BARS AND A LONGITUDINAL CONSTRUCTION JOINT ARE NOT REQUIRED WITH THIS ALTERNATE.
- PAVEMENT JOINTS SHALL BE EXTENDED THROUGH INTEGRAL CURB & GUTTER. JOINTS IN INTEGRAL GUTTER SHALL HAVE THE SAME DIMENSIONS AS THE JOINTS IN THE ADJACENT PAVEMENT. JOINTS IN INTEGRAL CURB SHALL BE 1/8" WIDE.
- JOINTS IN INTEGRAL CURB & GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME SEALANT SPECIFIED FOR THE PAVEMENT JOINT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT SHALL BE INCIDENTAL TO THE ITEM CONCRETE CURB & GUTTER.
- UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE COURSE AND UNCLASSIFIED EXCAVATION LIMITS ARE TWO FEET BEHIND THE BACK OF CURBS.
- TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G AND K.
- THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE COURSE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.
- WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATIONS WILL BE SHOWN ELSEWHERE IN THE PLAN.

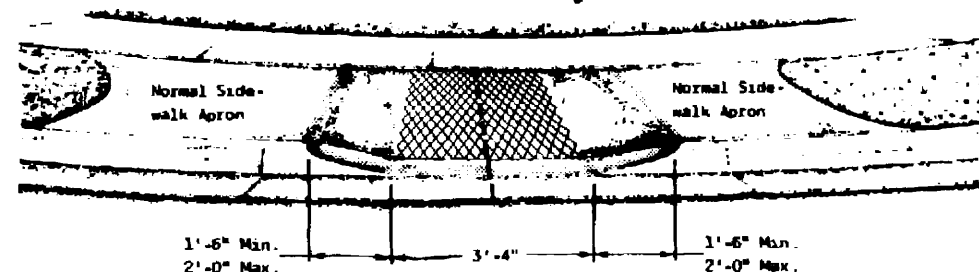
CONCRETE CURB, CONCRETE CURB & GUTTER AND PAVEMENT TIES	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 10-23-86 DATE	STATE DESIGN ENGINEER FOR HWYS
FHWA	



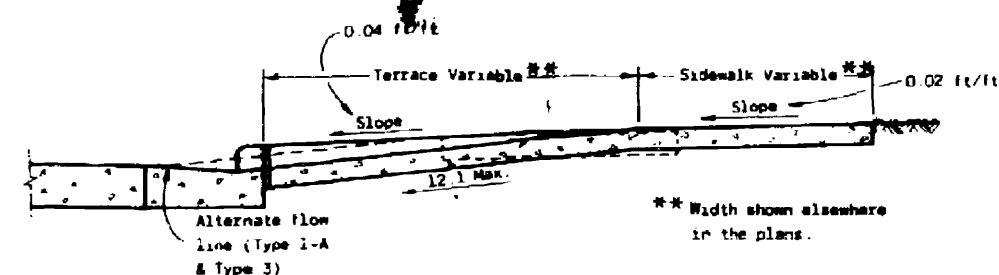
PLAN VIEW
TYPE 1 RAMP
(CENTER OF CORNER RADIUS)



PLAN VIEW
TYPE 1-A RAMP
(NO TERRACE)



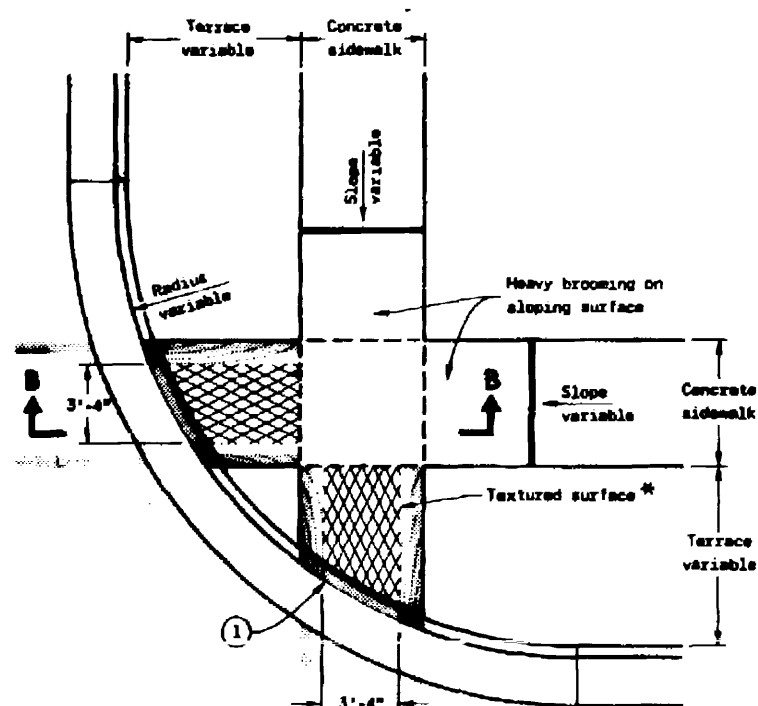
VIEW A-A



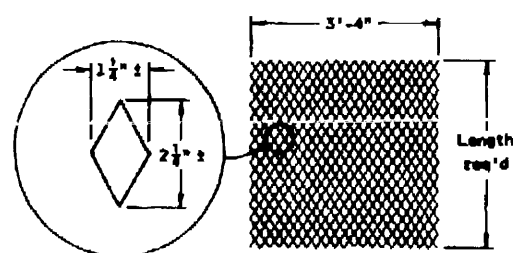
SECTION B-B

1" ——— EXPANSION JOINTS - SIDEWALK
- - - - - CONTRACTION JOINTS

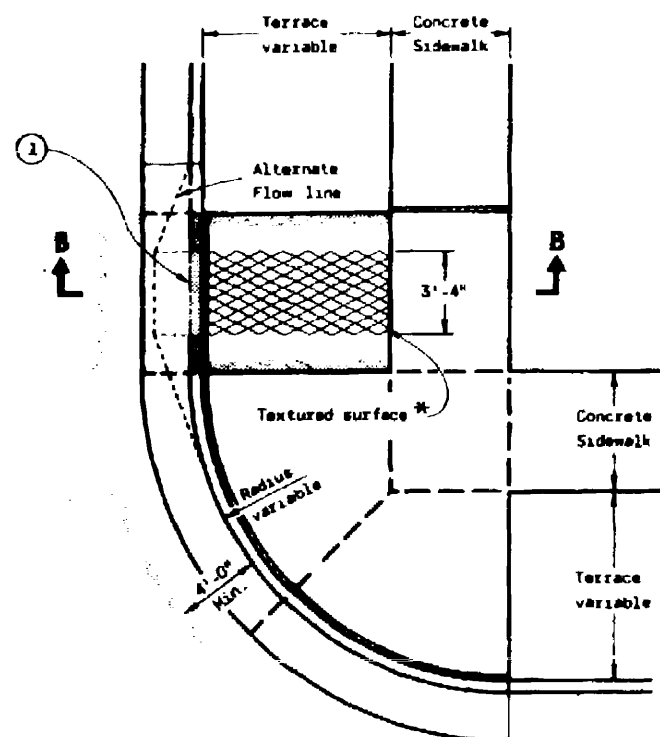
Location of joints may be varied from those shown to better fit site conditions and/or local government preference.



PLAN VIEW
TYPE 2 RAMP
(ON LINE WITH SIDEWALK)



DETAIL OF DIAMOND PATTERN *



PLAN VIEW
TYPE 3 RAMP
(OUTSIDE OF CROSSWALK AREA)

GENERAL NOTES

Details of construction, materials and workmanship not shown on this drawing shall conform to the pertinent requirements of the Standard Specifications and the applicable Special Provisions.

Ramps shall be built at 12:1 or flatter. When necessary, the sidewalk elevation may be lowered to meet the high point on the ramp.

Type 1 or Type 1-A Ramps shall have a normal sidewalk apron and curb on both sides of ramp.

Curb ramps shall be measured and paid for as Concrete Sidewalk and Concrete Curb and Gutter.

Surface texturing shall consist of linear impressions approximately 1/8 inch to 3/8 inch in depth and width, oriented to provide a uniform pattern of diamond shapes measuring approximately 1 1/2 inches in width by 2 1/2 inches in length, with the length being parallel to the direction of pedestrian movement. This surface texture may be achieved by impressing and removing a piece of expanded metal regular industrial mesh into the surface of the ramp while the concrete is in a plastic state.

- ① The ramp shall be bordered on both sides and on the curb line with a 4 inch wide yellow stripe or with brick of a contrasting color. Normally the paint stripe alternate will be used. The municipality or the department will apply this striping unless otherwise specified in the contract.

If a municipality requires the brick alternate, special details and provisions are shown elsewhere in the plans.

CURB RAMP

State of Wisconsin
Department of Transportation

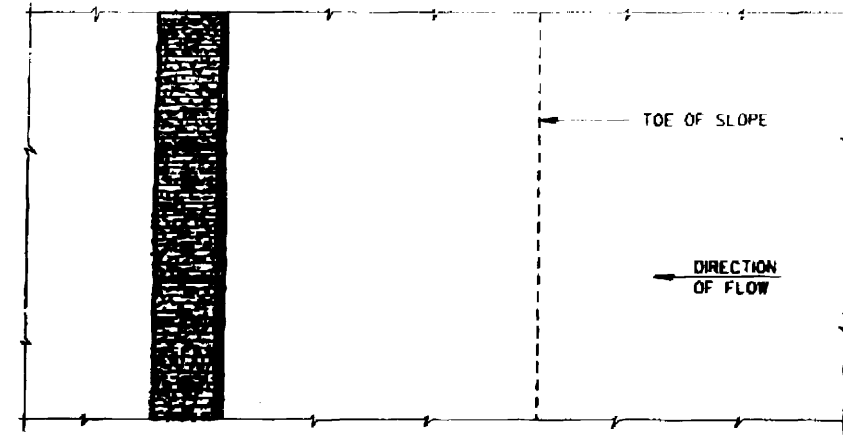
APPROVED

10-23-84

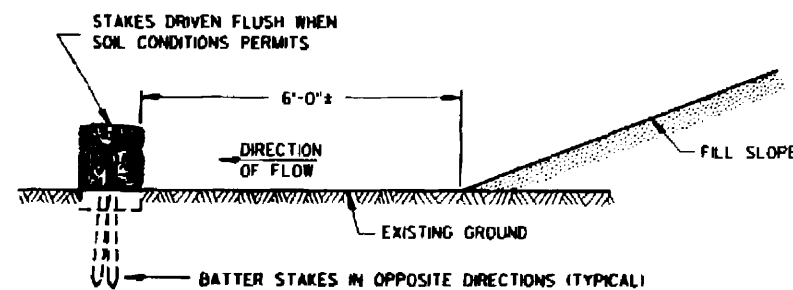
DATE

TITLE

[Signature]
CHIEF DESIGN ENGINEER



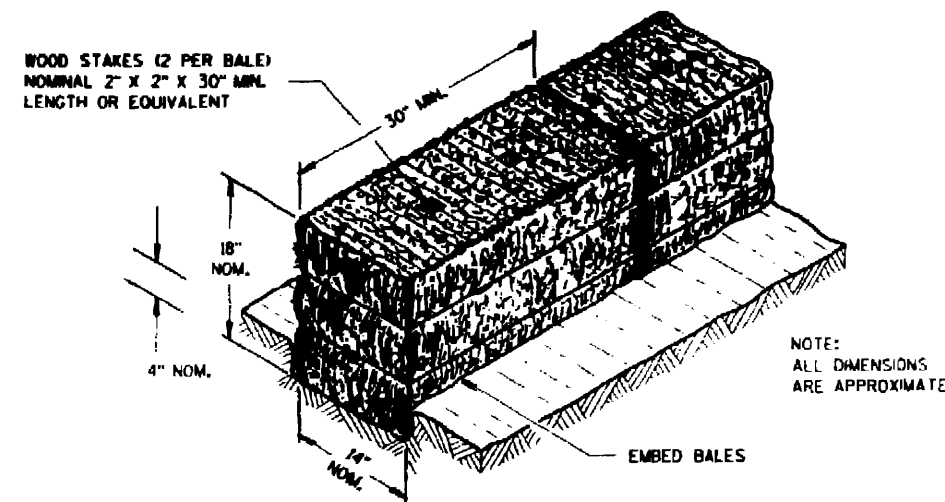
PLAN VIEW



FRONT ELEVATION

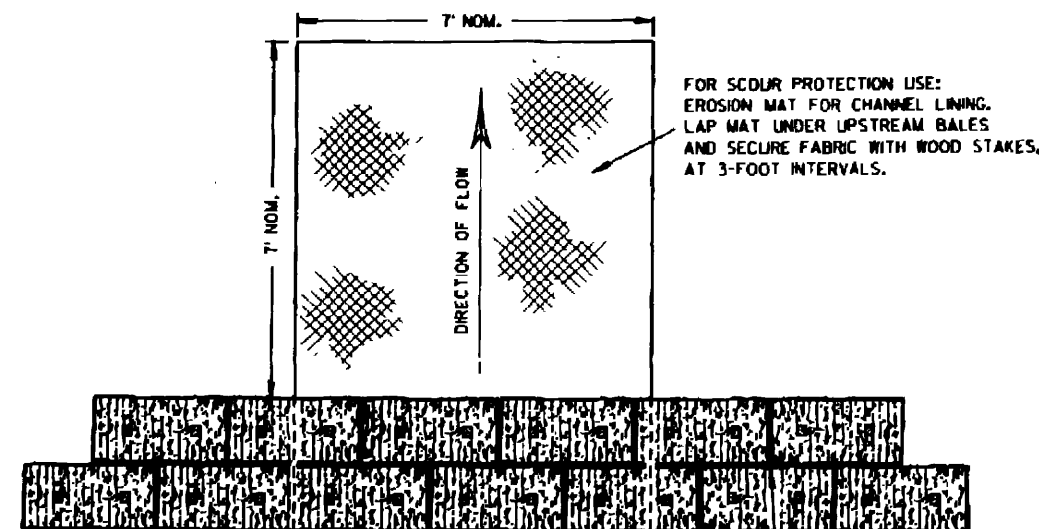
WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

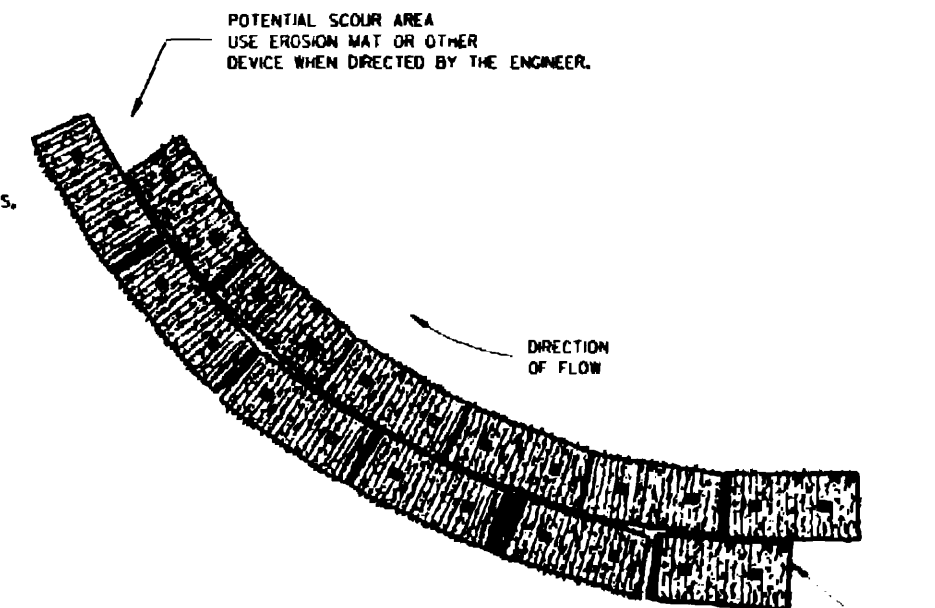


GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

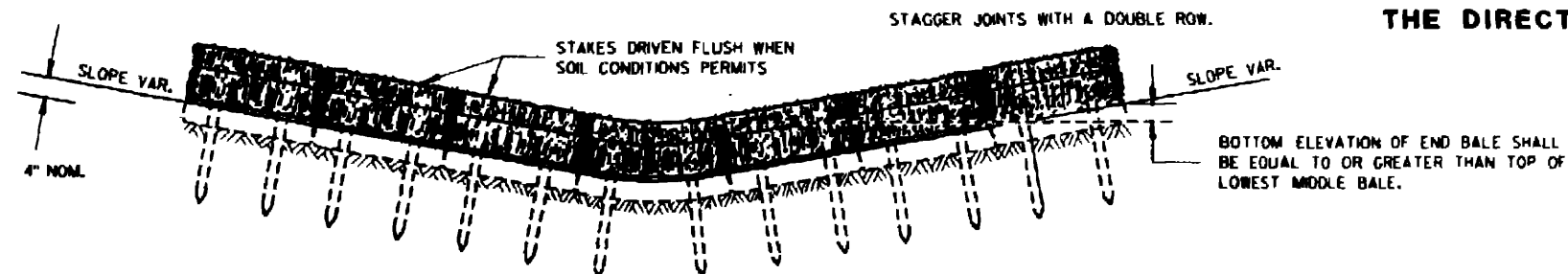


PLAN VIEW



PLAN VIEW

EROSION BALES WHEN ALTERING THE DIRECTION OF FLOW



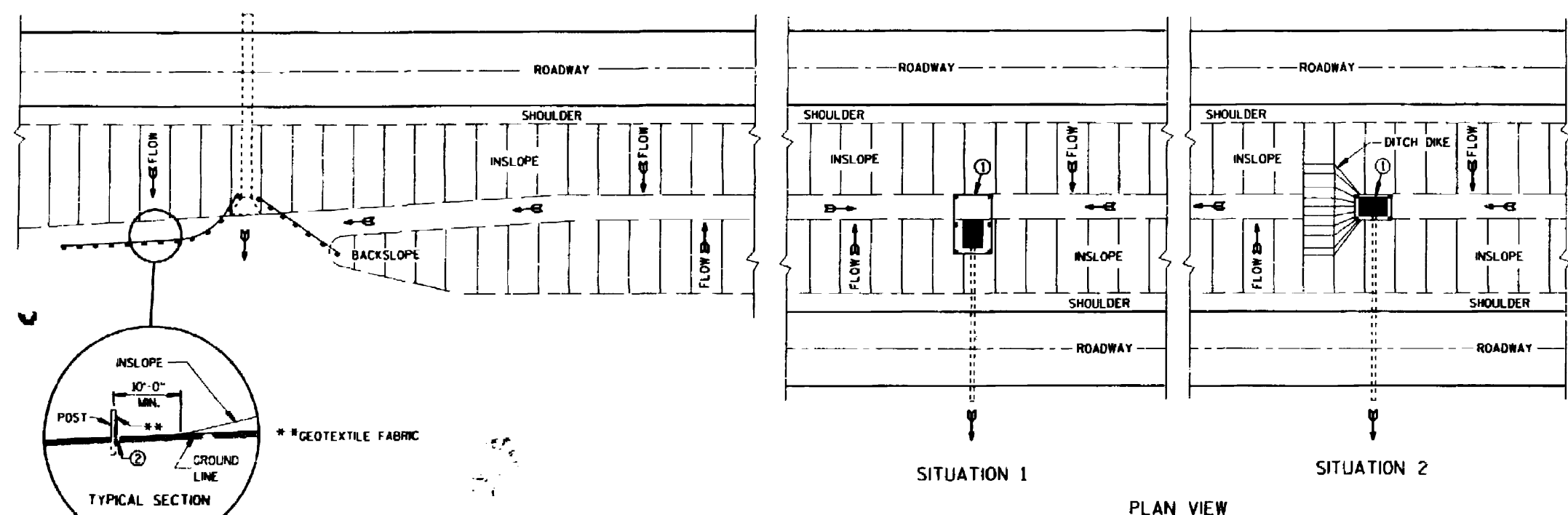
FRONT ELEVATION

EROSION BALES FOR CHANNEL FLOW

TYPICAL INSTALLATIONS OF EROSION BALES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4/29/94
DATE
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA



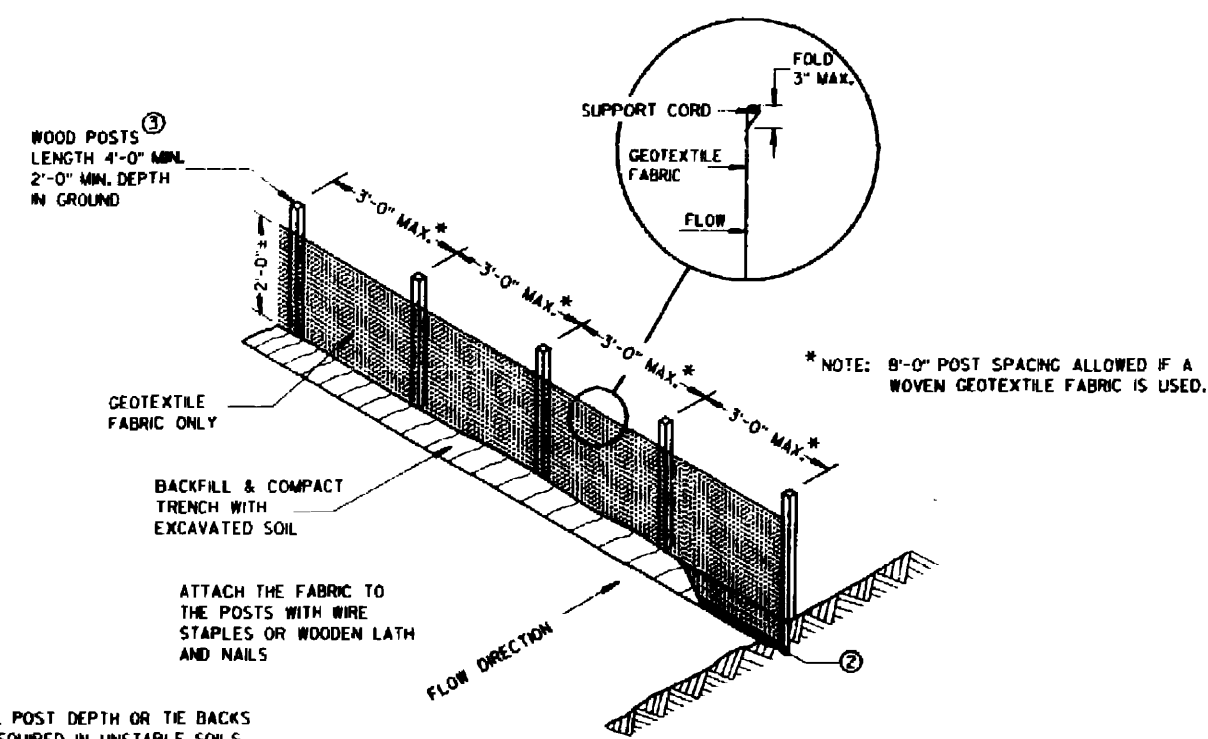
PLAN VIEW
TYPICAL APPLICATIONS OF SILT FENCE

SITUATION 1
SITUATION 2
PLAN VIEW
SILT FENCE AT MEDIAN SURFACE DRAINS

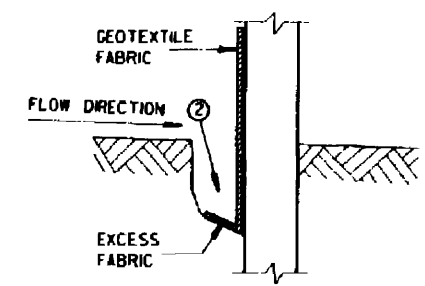
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

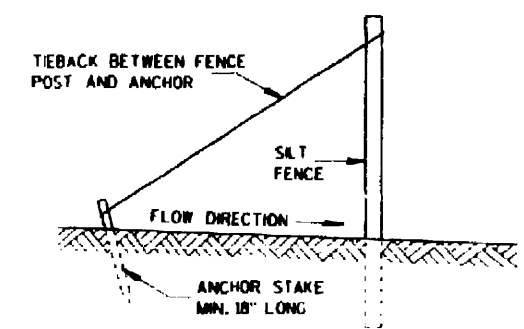
- ① HORIZONTAL BRACE WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS AS DIRECTED BY THE ENGINEER.
- ② TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- ③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1 1/8" X 1 1/8" OF OAK OR HICKORY.



SILT FENCE
(NON-REINFORCED)



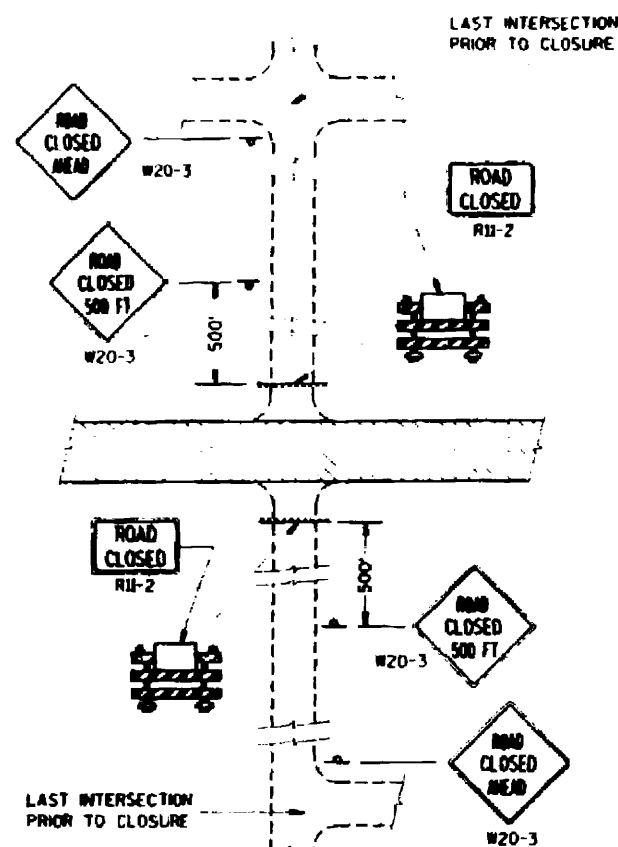
TRENCH DETAIL



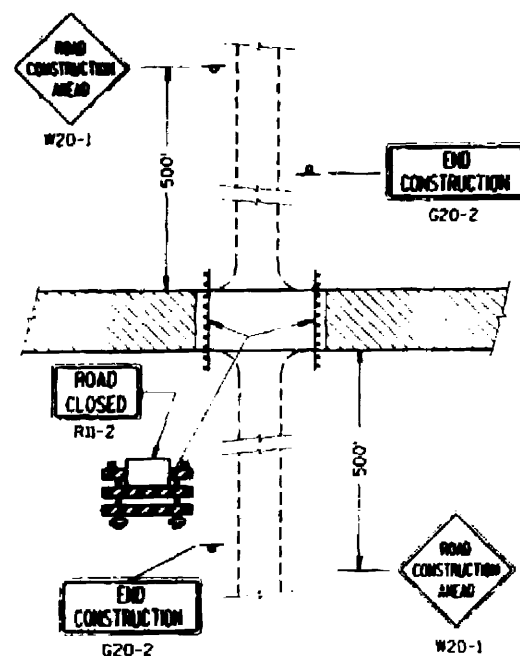
SILT FENCE TIE BACK
(WHEN REQUIRED BY THE ENGINEER)

NOTE: ADDITIONAL POST DEPTH OR TIE BACKS MAY BE REQUIRED IN UNSTABLE SOILS

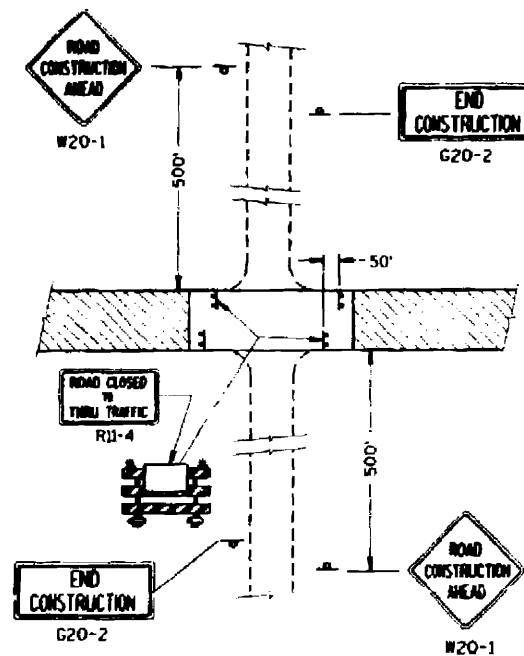
SILT FENCE	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED <i>[Signature]</i> DATE	CHIEF ROADWAY DEVELOPMENT ENGINEER FWBA



DETAIL 1
(NO ACCESS TO PROJECT)

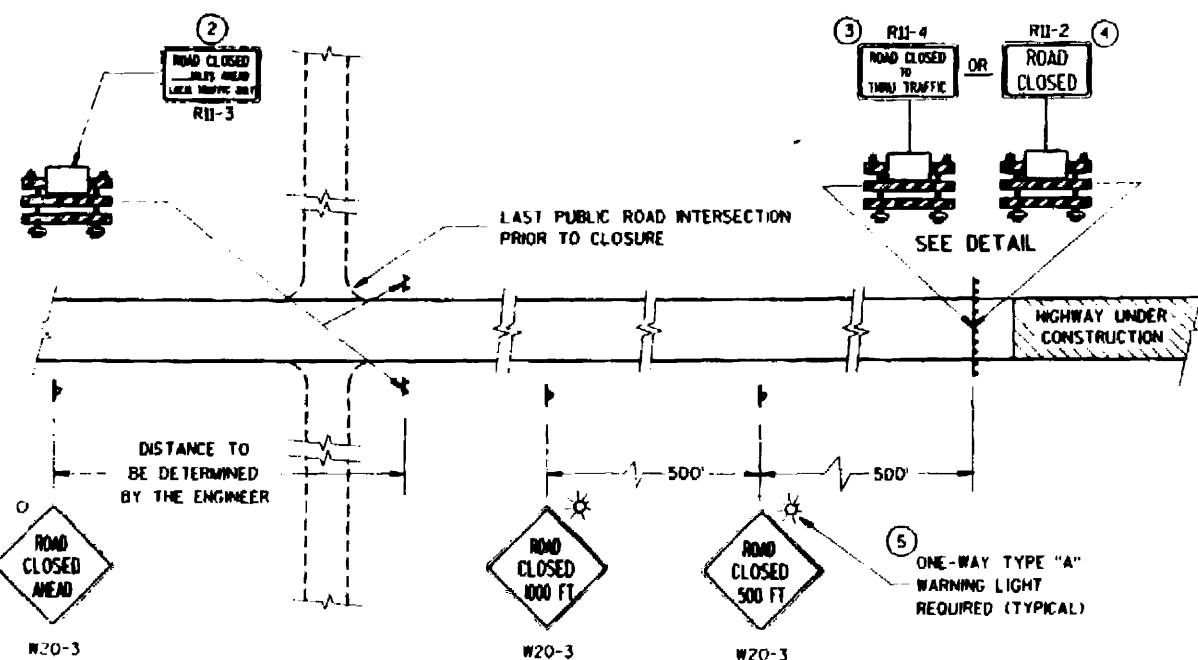


DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT).

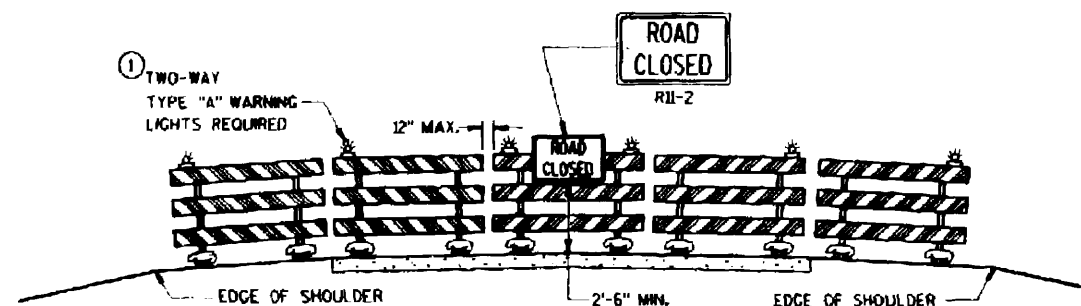


DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED. CONTRACTOR,
LOCAL BUSINESS AND RESIDENT ACCESS).

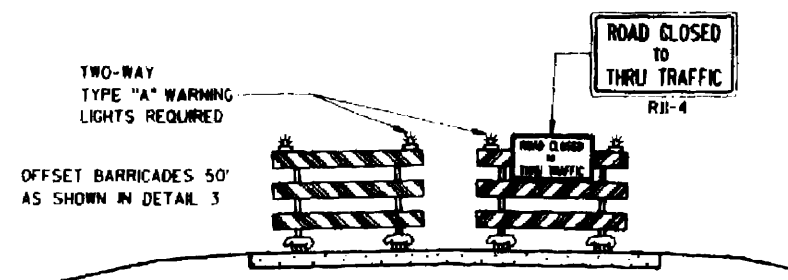
SIDEROAD CLOSURES



MAINLINE CLOSURE



ROAD CLOSURE BARRICADE DETAIL



LANE CLOSURE BARRICADE DETAIL

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND THEIR LOCATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE WISCONSIN MANUAL OF TRAFFIC CONTROL DEVICES, THE PLANS, SPECIFICATIONS AND CONTRACT.

SIGN AND BARRICADE LOCATIONS MAY BE ADJUSTED IN THE FIELD AS DIRECTED BY THE ENGINEER. ANY EXISTING TRAFFIC SIGNS THAT CONFLICT WITH THIS WORK SHALL BE COVERED AS DIRECTED BY THE ENGINEER. ALL "STOP" OR OTHER REGULATORY SIGNS ON THE SIDE ROADS SHALL NOT BE DISTURBED, EXCEPT WHEN NECESSARY TO COMPLETE THE WORK. THE SIGNS MUST THEN BE IMMEDIATELY REESTABLISHED.

ALL TYPE II BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL FOR FULL ROAD CLOSURES. TYPE "A" LOW INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE ROAD CLOSED SIGN (R11-2), ROAD CLOSED — MILES AHEAD SIGN (R11-3) AND THE ROAD CLOSED TO THRU TRAFFIC SIGN (R11-4) SHALL BE ATTACHED ONLY TO THE TOP RAIL OF THE TYPE II BARRICADE. THE SIGNS SHALL NOT COVER MIDDLE RAIL.

TYPE "H" REFLECTIVE SHEETING SHALL BE USED ON ALL BARRICADES, TYPE I, II AND III, AND ON ALL R11-2, R11-3 AND R11-4 SIGNS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:

R11-2, "ROAD CLOSED" SIGNS SHALL BE 48" X 30".

R11-3, AND R11-4 SIGNS SHALL BE 60" X 30".

G20-2 SIGNS SHALL BE 60" X 24".

- 1 TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND AT LEAST ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN.
- 2 THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.
- 3 FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT. SEE LANE CLOSURE BARRICADE DETAIL.
- 4 FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT. SEE ROAD CLOSURE BARRICADE DETAIL.
- 5 ONE-WAY LIGHTS SHALL BE PROVIDED ON ALL ADVANCE WARNING SIGNS. THE UNIT SHALL BE POSITIONED SUCH THAT THE LIGHT SOURCE IS OUTSIDE THE SIGN FACE AND AT THE TOP OF THE SIGN.

LEGEND

- POST MOUNTED WARNING SIGN
- TYPE II BARRICADES WITH TYPE "H" REFLECTIVE SHEETING
- TYPE "A" LOW INTENSITY FLASHING WARNING LIGHT (FOR NIGHT USE)
- WORK AREA

**BARRICADES AND TRAFFIC
CONTROL FOR
ROAD CLOSURES**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

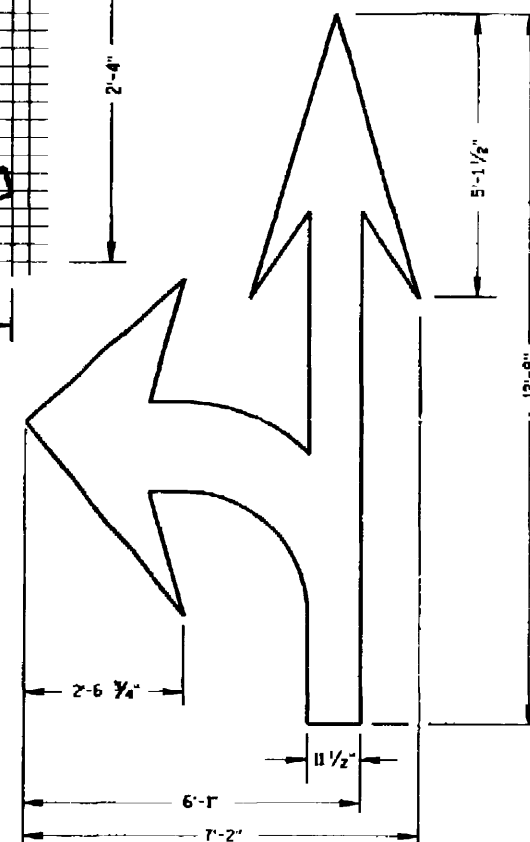
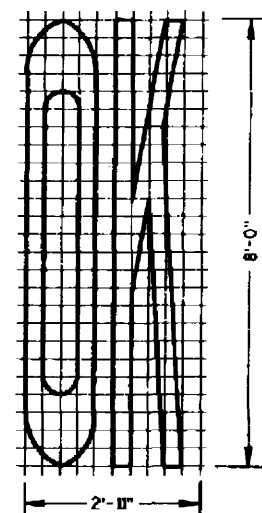
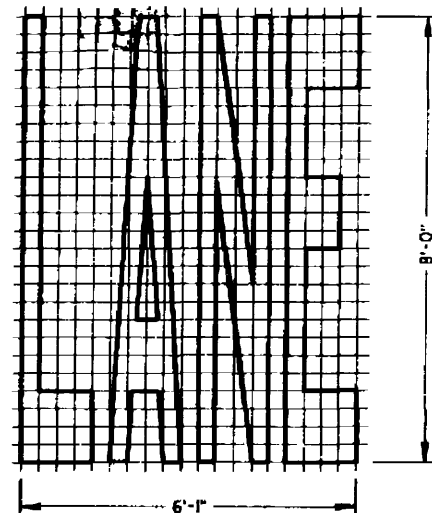
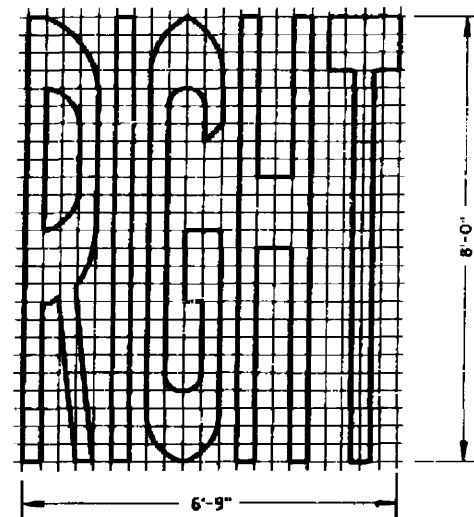
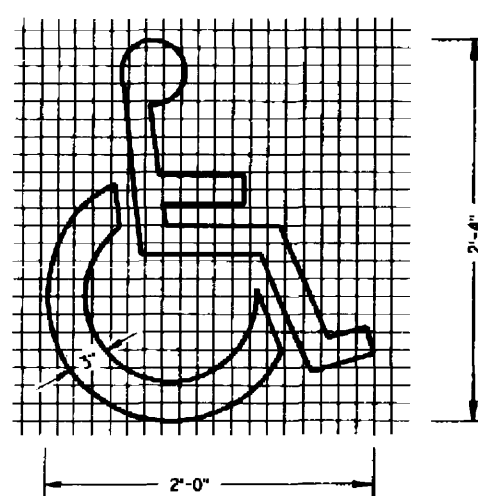
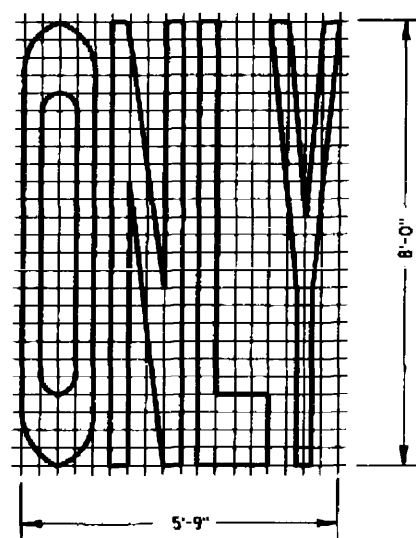
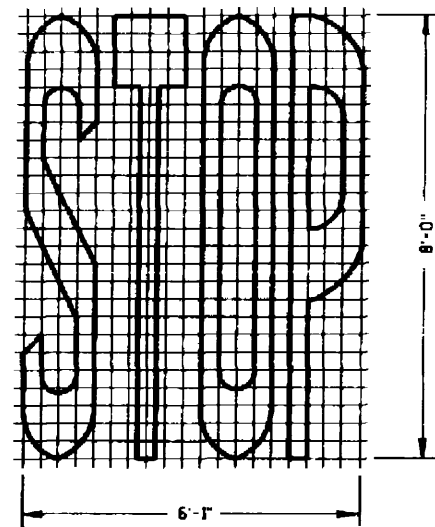
APPROVED

10-31-89

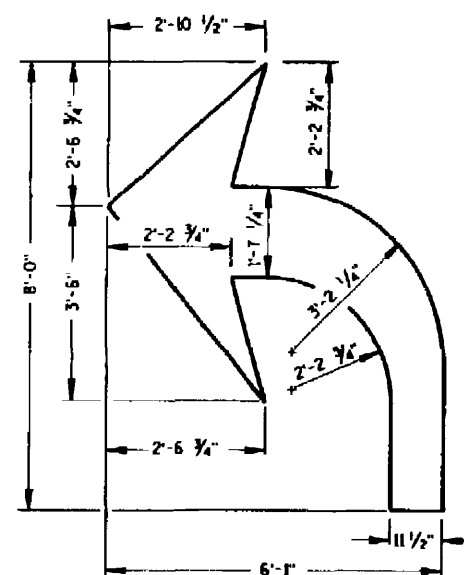
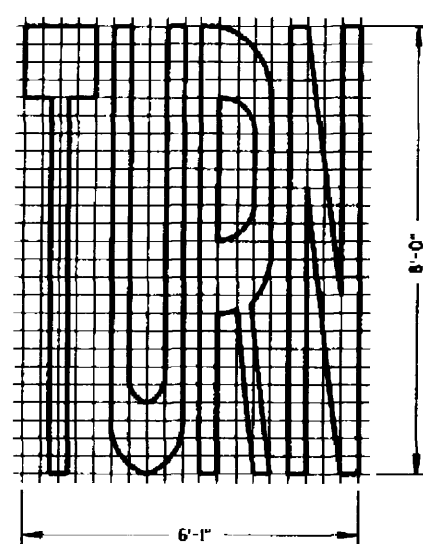
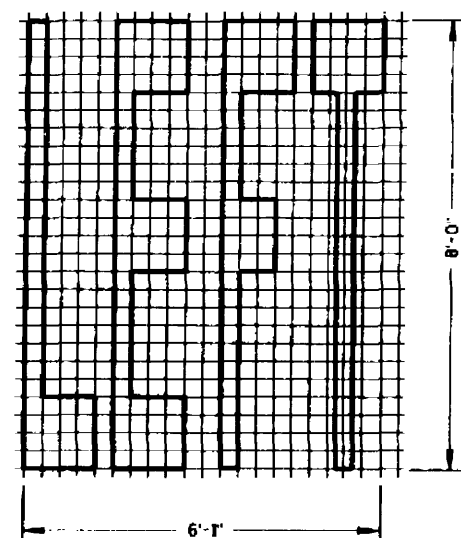
DATE

FWHA

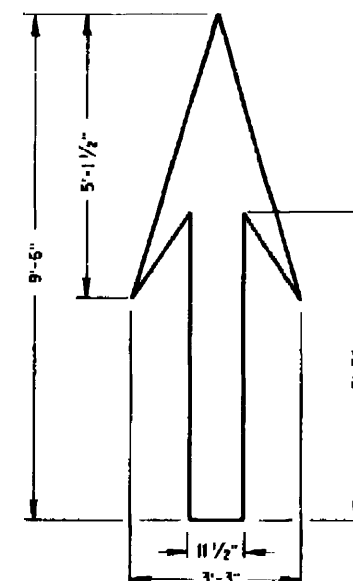
STATE TRAFFIC ENGINEER FOR WISCONSIN



TYPE 3



TYPE 2



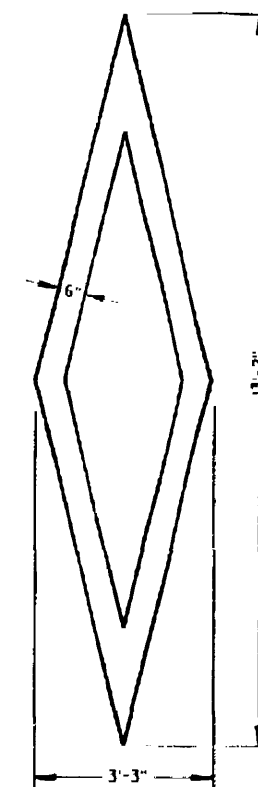
TYPE 1

GENERAL NOTES

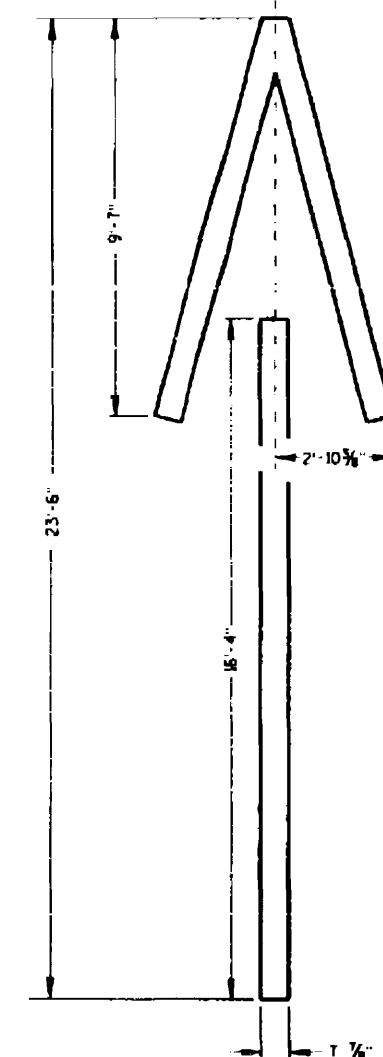
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

ALL LETTERS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED.

A DETAILED DRAWING OF THE HANDICAPPED PARKING SYMBOL IS ILLUSTRATED IN THE "STANDARD HIGHWAY SIGNS MANUAL" BY THE FEDERAL HIGHWAY ADMINISTRATION.



PREFERENTIAL
LANE SYMBOL



TYPE 4

PAVEMENT MARKING SYMBOLS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

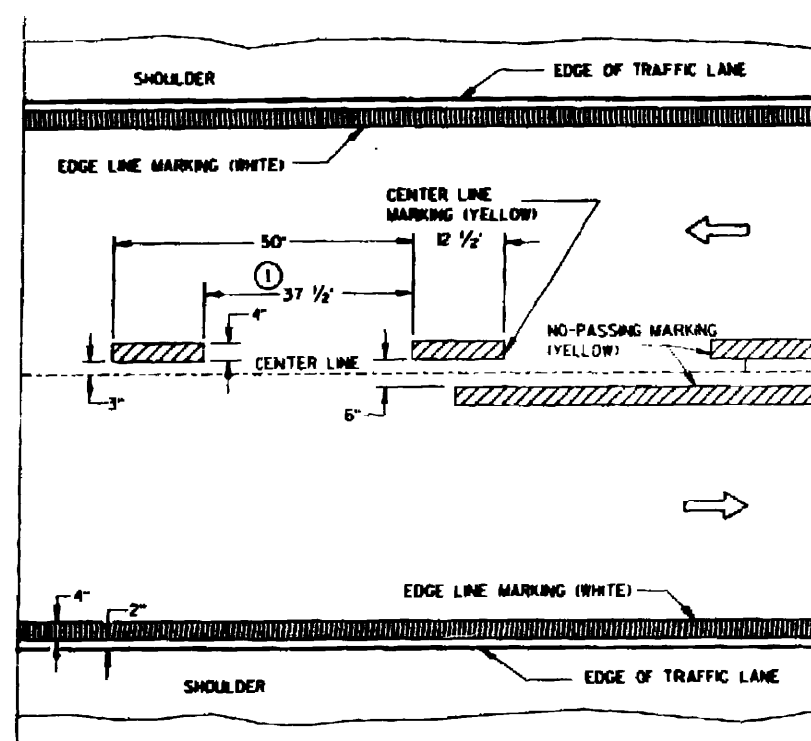
APPROVED

6-29-94

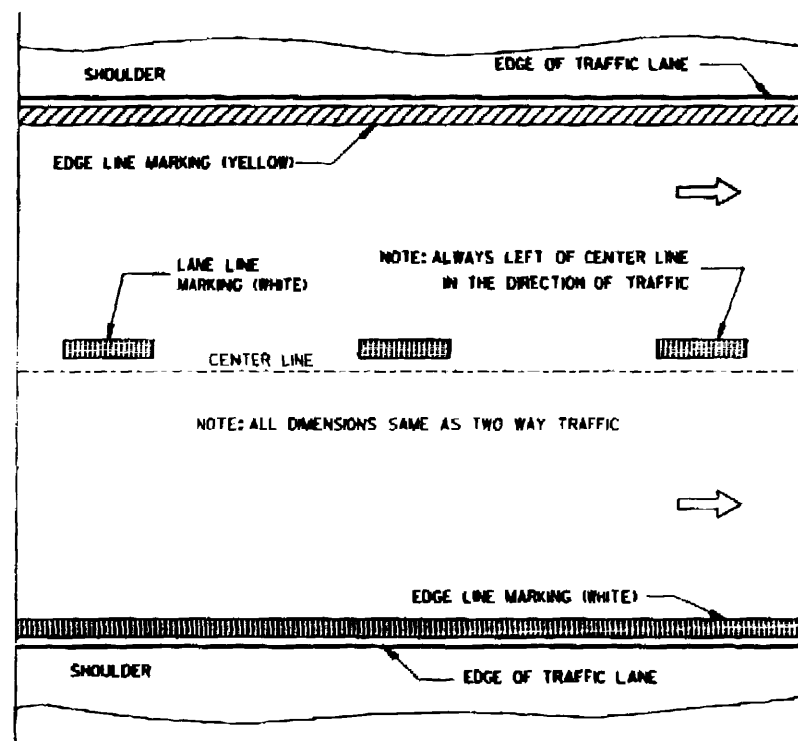
DATE

Charles J. Spang
STATE TRAFFIC ENGINEER FOR HWYS

FHWA

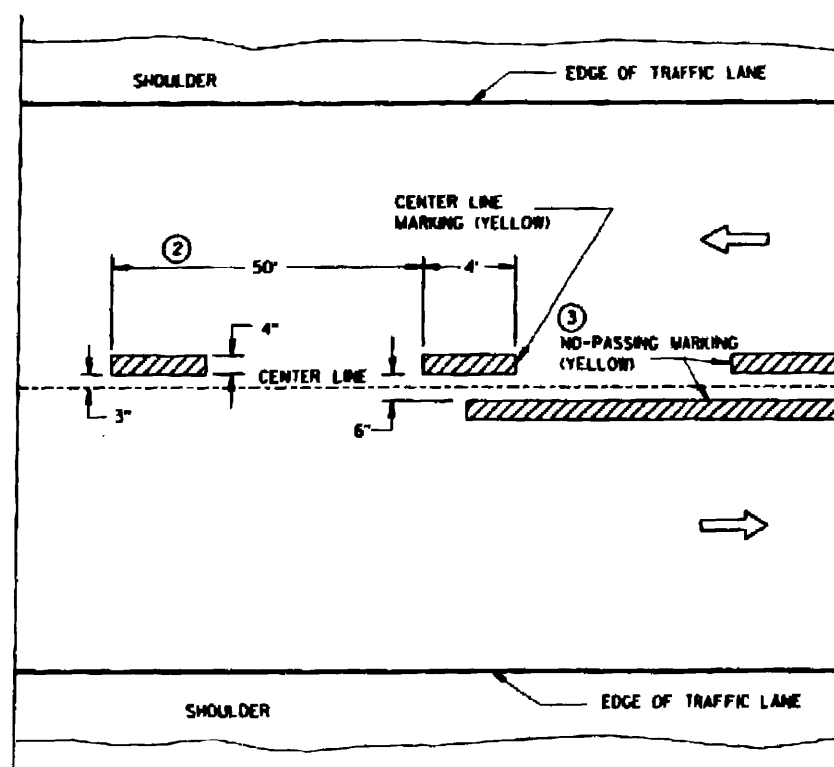


TWO WAY TRAFFIC

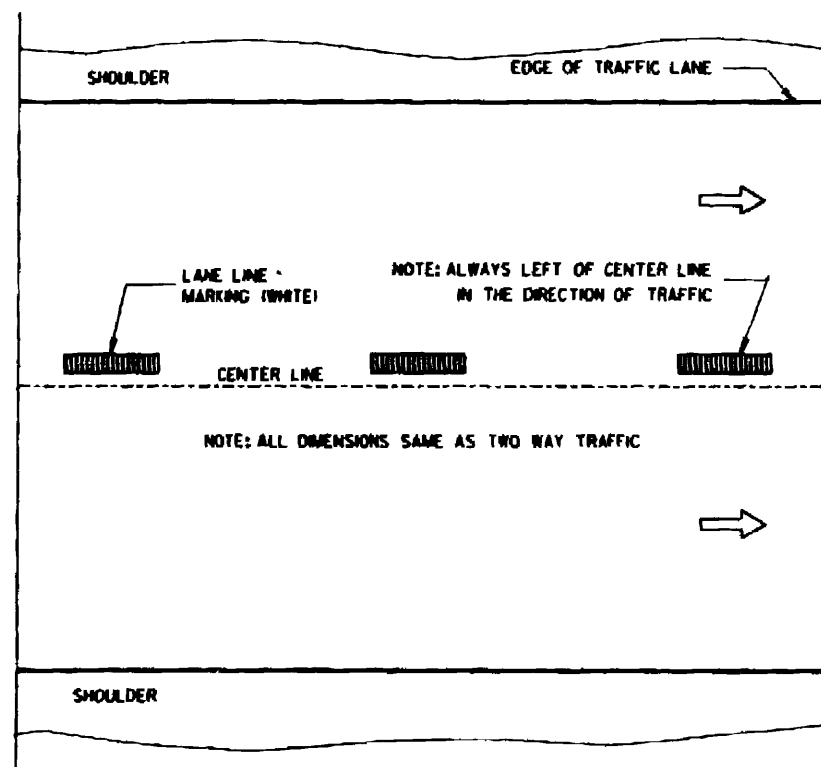


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY (INTERMEDIATE) PAVEMENT MARKING (SHOWS CYCLE FOR TEMPORARY CENTER LINE OR TEMPORARY LANE LINE MARKING)

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

- ① CENTER LINE/LANE LINE MARKINGS SHALL BE 37 1/2 FEET BETWEEN DASHES THROUGHOUT THE PROJECT, INCLUDING THE STARTING OR ENDING GAP FROM THE EXISTING CENTER LINE/LANE LINE MARKING.
- ② HALF CYCLE LENGTHS (25') WITH 2' MINIMUM STRIPE LENGTHS SHALL BE PROVIDED ON ROADWAYS (INCLUDING TEMPORARY TRAVELED WAYS) WITH REVERSE CURVATURE, CURVATURE OF OVER 5 DEGREES OR WHEN DIRECTED BY THE ENGINEER TO MARK UNUSUAL ALIGNMENT OF THE TRAVELED WAY.
- ③ NO PASSING ZONE TEMPORARY PAVEMENT MARKING IS REQUIRED TO BE PLACED, WHERE APPROPRIATE, ALONG WITH CENTERLINE TEMPORARY PAVEMENT MARKING WHEN A SAME DAY PERMANENT PAVEMENT MARKING ITEM IS INCLUDED IN THE CONTRACT.

NOTE

ARROW SYMBOL (→) SHOWS DIRECTION OF TRAVEL

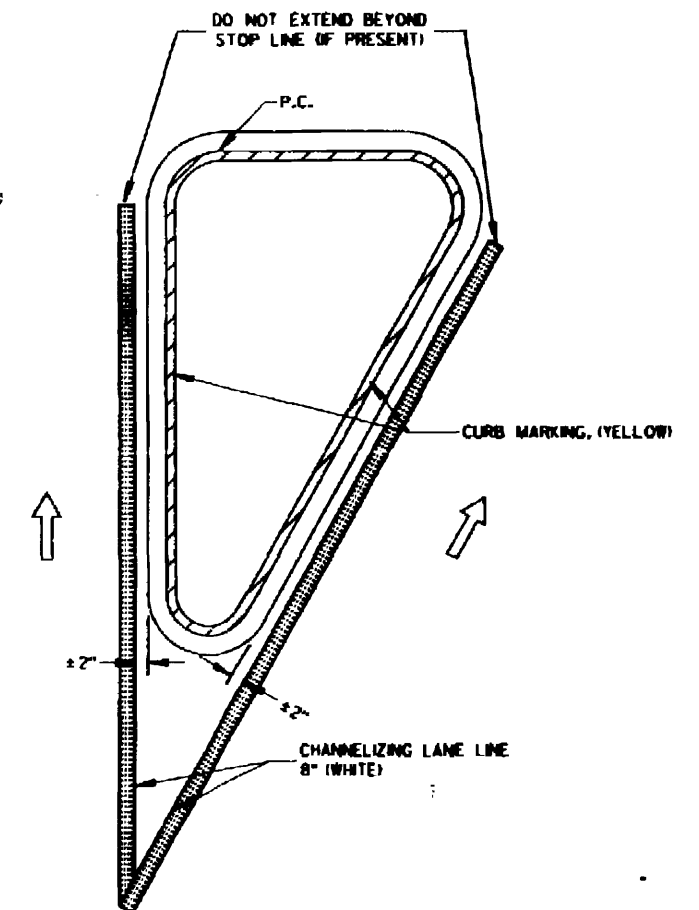
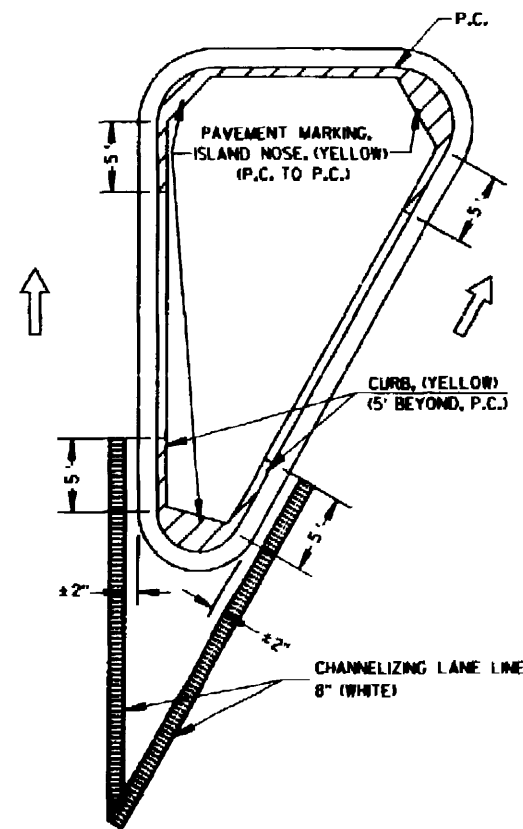
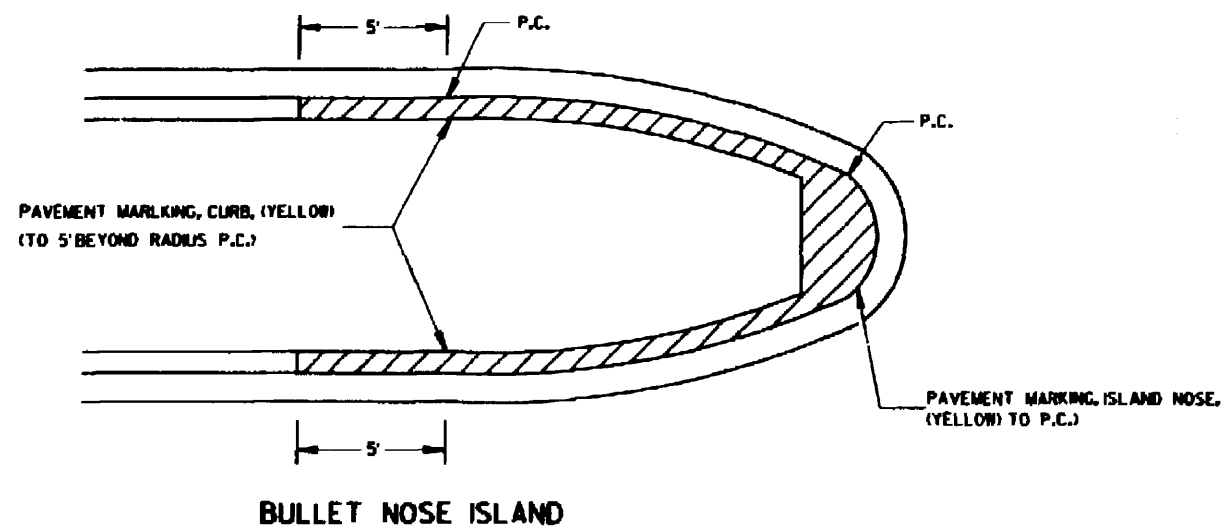
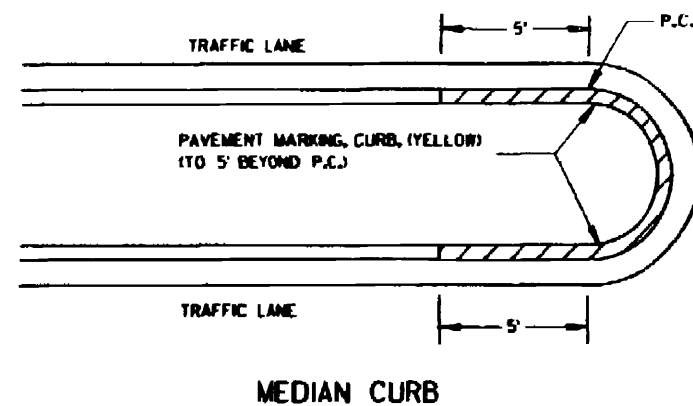
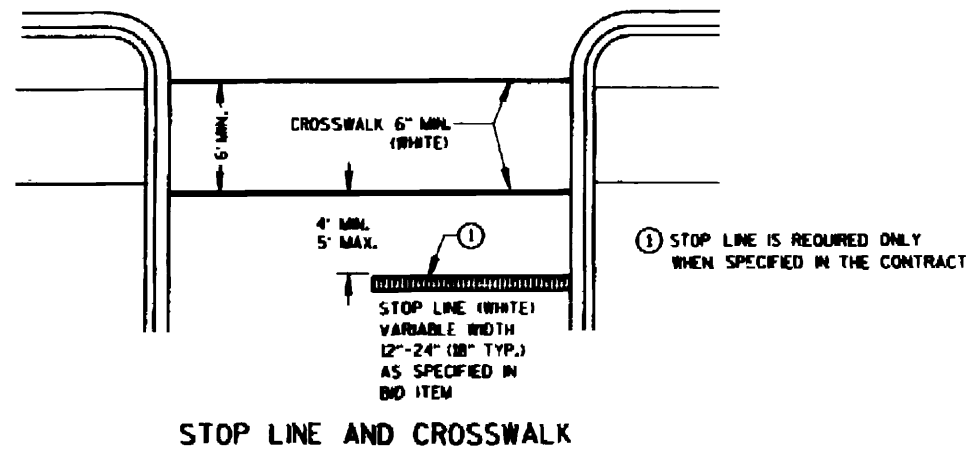
PAVEMENT MARKING
(MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8/15/74
DATE

John F. Rusk
DIRECTOR, OFFICE OF TRAFFIC

FHWA



NOTE:
ARROW SYMBOL (→)
SHOWS DIRECTION OF TRAVEL

PAVEMENT MARKING
(ISLANDS, STOP LINE &
CROSS WALK)

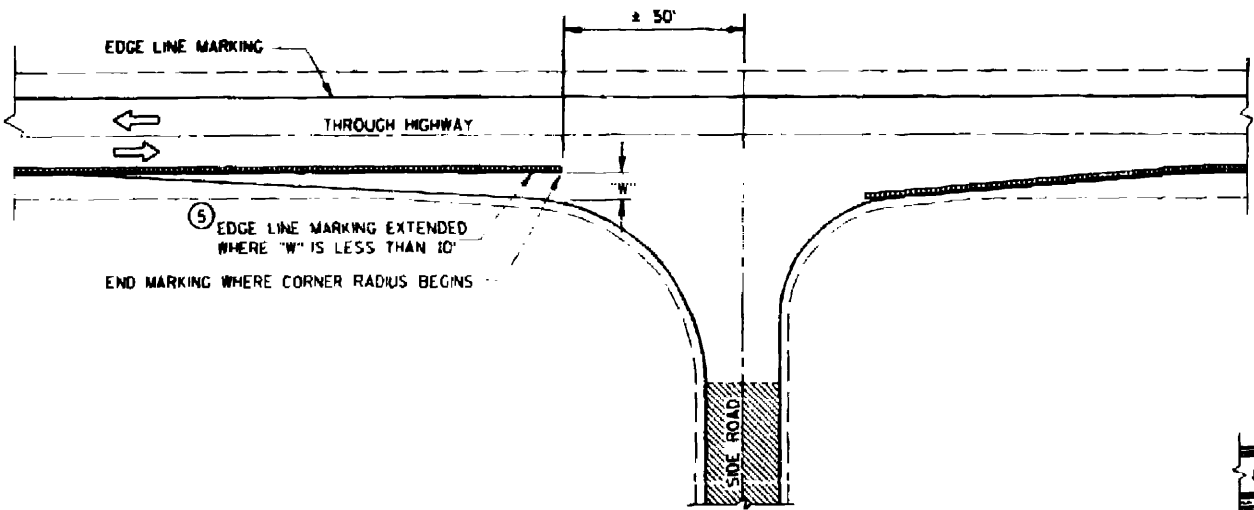
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8/18/94
DATE
DIRECTOR, OFFICE OF TRAFFIC

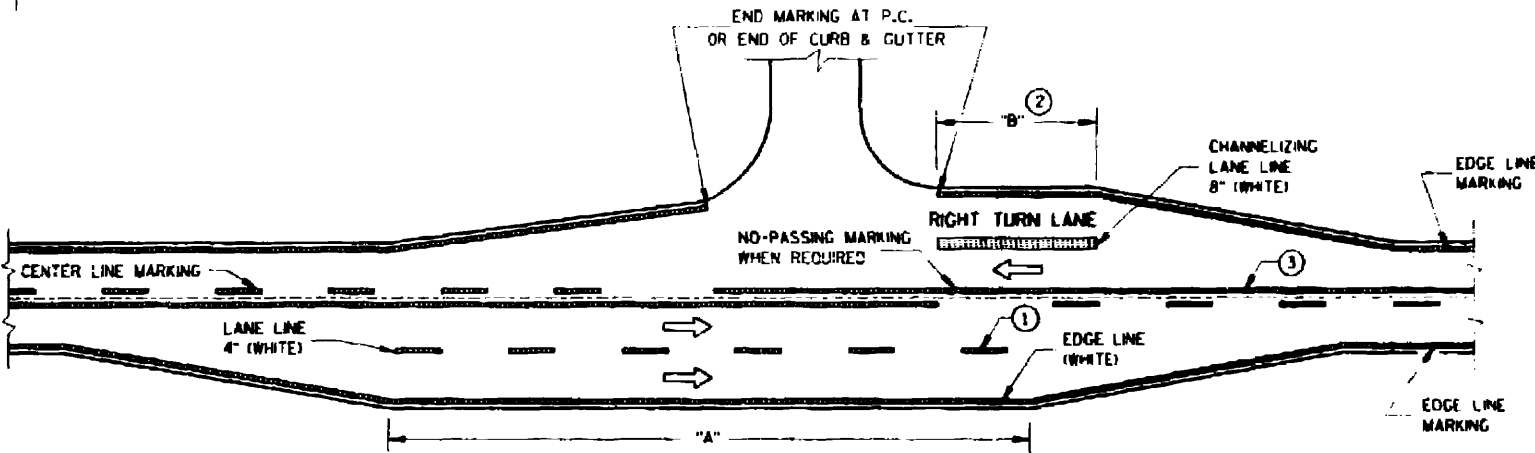
NOTES

EDGE LINES SHALL BE OMITTED THROUGH INTERSECTIONS. EDGE LINES SHALL BE CONTINUED THROUGH DRIVEWAYS.

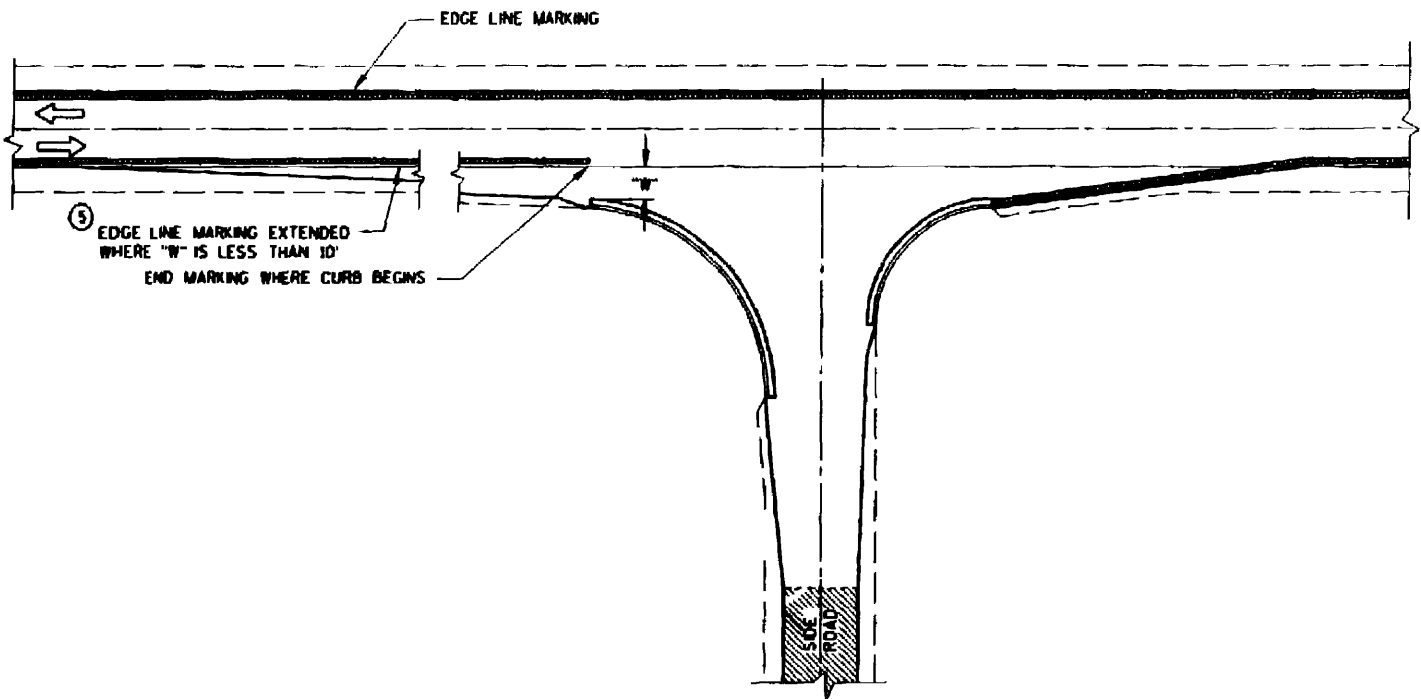
- ① WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
- ② WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
- ③ NO-PASSING MARKING SHALL BE PROVIDED WHERE SIGHT DISTANCE IS DEFICIENT. THE LENGTH OF NO-PASSING MARKING SHALL BE 500 FEET MINIMUM.
- ④ ALTERNATIVE MARKING SHALL BE PROVIDED WHEN SPECIFIED IN THE CONTRACT. TYPICAL SITUATIONS WHERE THIS MARKING MAY BE REQUIRED ARE WHERE THE INTERSECTION IS ON A SHARP HORIZONTAL CURVE OR CREST VERTICAL CURVE IN AN UNLIGHTED AREA SUCH THAT THE EDGE LINE MAY BE MISLEADING TO THE MOTORIST OR DISAPPEAR FROM SIGHT.
- ⑤ LOCATE THE EDGE LINE ALONG THE TAPER WHERE "W" IS 10' OR MORE.



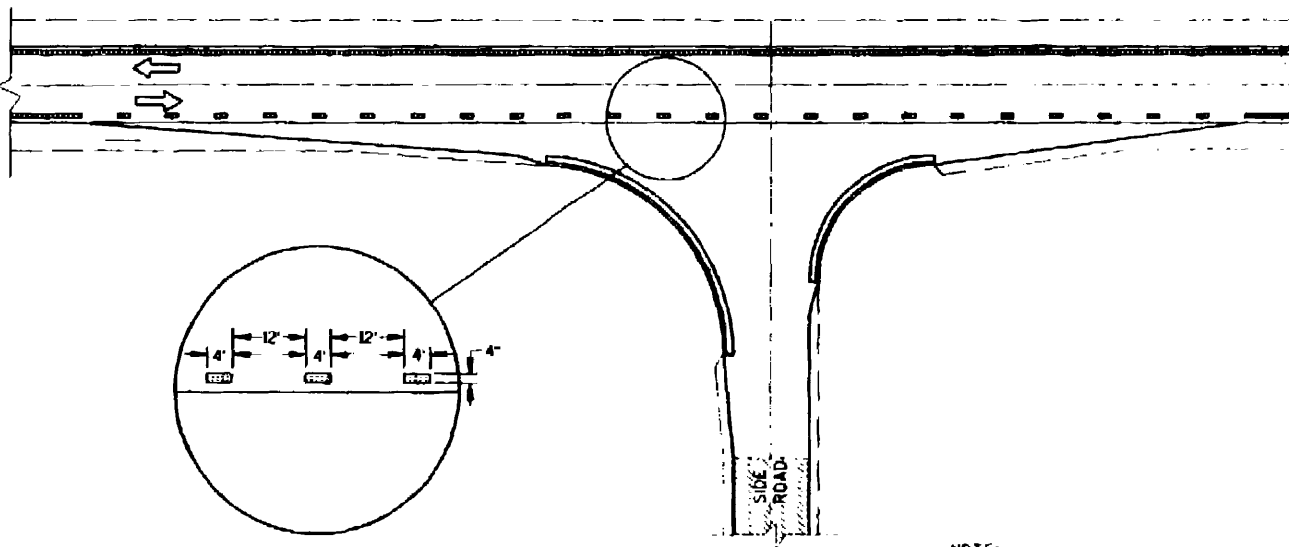
MINOR INTERSECTION WITHOUT CURBS



MAJOR INTERSECTIONS
(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANES)



MINOR INTERSECTION WITH CURBS
(TYPICAL MARKING)



MINOR INTERSECTION WITH CURBS
④ (FOR SPECIAL CONDITIONS AS SPECIFIED)

NOTE:
SDD 15 C 8-60 IS REQUIRED WHEN THIS DRAWING IS CALLED FOR IN THE PLANS.

PAVEMENT MARKING
(INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

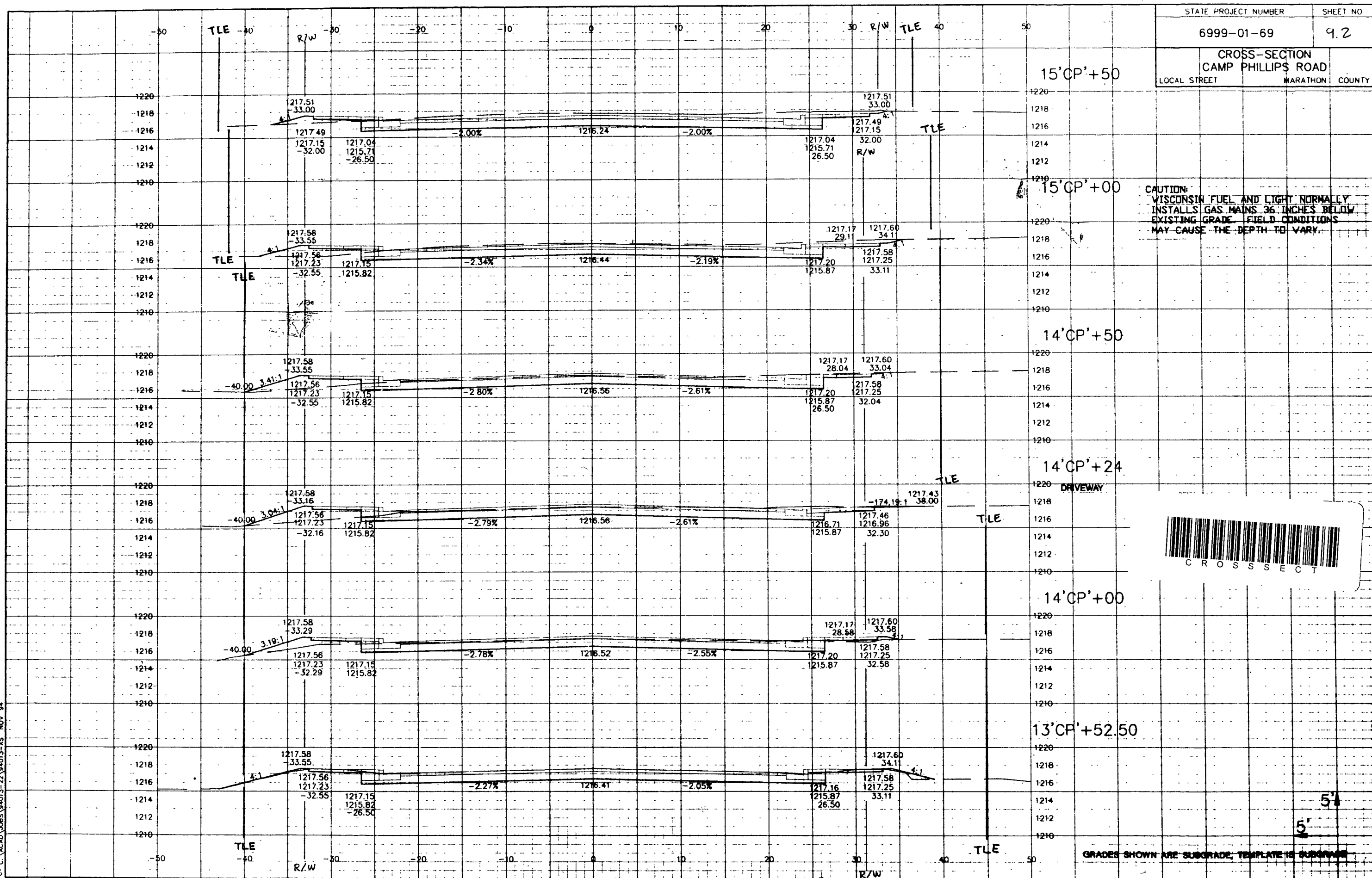
STATE PROJECT NUMBER	SHEET NO.
6999-01-69	9.0
COMPUTER EARTHWORK SHEET	
CAMP PHILLIPS ROAD	MARATHON COUNTY

STATION	UNCL	CUT	AREA S.F.	VOL. C.Y.	ACCUM. C.Y.	FILL AREA S.F.	VOL. C.Y.	ACCUM. C.Y.	ADJ. C.Y.	1.4	FACTOR =	ADJ. C.Y.	ACCUM. C.Y.	MASS DIFFERENTIAL
CAMP PHILLIPS ROAD														
13	CP	52.5	64.0	MAINTLINE										
14	CP	00	61.0	110	110	2	10	120	14	14	10	14	14	96
14	CP	50	49.0	102	212	8	16	228	22	22	16	22	36	176
15	CP	00	73.0	113	325	9	16	341	22	22	16	22	52	267
15	CP	50	54.0	145	470	5	13	483	18	18	13	18	76	394
16	CP	00	83.0	155	625	1	6	631	8	8	6	8	84	541
16	CP	50	88.0	158	783	1	2	785	3	3	2	3	86	697
17	CP	00	92.0	167	950	0	1	950	1	1	1	1	87	862
17	CP	50	89.0	168	1117	0	0	1117	0	0	0	0	87	1030
18	CP	00	98.0	173	1291	0	0	1291	0	0	0	0	87	1203
18	CP	50	95.0	179	1469	0	0	1469	0	0	0	0	87	1382
19	CP	00	80.0	162	1631	0	0	1631	0	0	0	0	87	1544
19	CP	50	88.0	156	1787	0	0	1787	0	0	0	0	87	1699
20	CP	00	93.0	168	1954	0	0	1954	0	0	0	0	87	1867
20	CP	50	95.0	174	2128	0	0	2128	0	0	0	0	87	2041
21	CP	00	90.0	171	2300	0	0	2300	0	0	0	0	87	2212
21	CP	50	88.0	165	2463	0	0	2463	0	0	0	0	87	2377
22	CP	00	75.0	151	2616	7	6	2623	9	9	6	9	97	2519
22	CP	50	89.0	152	2767	0	6	2773	9	9	6	9	106	2662
23	CP	00	92.0	168	2935	7	6	2942	9	9	6	9	115	2820
23	CP	50	91.0	169	3104	6	12	3110	17	17	12	17	132	2973
24	CP	00	98.0	175	3279	3	8	3282	12	12	8	12	143	3136
24	CP	50	112.0	184	3474	15	17	3491	23	23	17	23	167	3307
25	CP	00	126.0	220	3694	0	14	3708	19	19	14	19	186	3508
25	CP	50	106.0	215	3909	4	4	3913	5	5	4	5	191	3718
26	CP	00	97.0	188	4097	3	6	4100	9	9	6	9	200	3897
26	CP	50	82.0	166	4263	7	9	4270	13	13	9	13	213	4050
27	CP	00	102.0	170	4433	2	8	4435	12	12	8	12	225	4208
27	CP	50	119.0	205	4638	0	2	4640	3	3	2	3	227	4410
28	CP	00	146.0	245	4883	0	0	4883	0	0	0	0	227	4656
28	CP	50	120.0	246	5129	0	0	5129	0	0	0	0	227	4902
29	CP	00	114.0	217	5346	0	0	5346	0	0	0	0	227	5119
29	CP	50	98.0	196	5542	0	0	5542	0	0	0	0	227	5315
30	CP	00	94.0	174	5720	0	0	5720	0	0	0	0	227	5493
30	CP	50	94.0	163	6057	1	2	6058	3	3	2	3	231	5826
31	CP	00	82.0	137	6194	0	1	6194	1	1	1	1	233	5962
31	CP	50	66.0	106	6301	0	0	6301	0	0	0	0	233	6068
32	CP	00	49.0	92	6392	0	0	6392	0	0	0	0	233	6160
32	CP	50	50.0	109	6502	0	0	6502	0	0	0	0	233	6269
33	CP	00	68.0	88	6589	0	0	6589	0	0	0	0	233	6357
33	CP	50	114.0	205	6703	0	0	6703	0	0	0	0	234	6484
34	CP	00	59.0	128	6717	0	1	6717	1	1	1	1	234	6604
34	CP	50	74.0	123	6841	1	2	6842	3	3	2	3	236	6747
35	CP	00	83.0	145	6986	1	2	6987	3	3	2	3	239	6979
35	CP	50	96.0	166	7152	1	2	7153	3	3	2	3	241	7084
36	CP	00	96.0	178	7329	2	3	7331	4	4	3	4	245	7254
36	CP	50	95.0	177	7506	3	5	7509	6	6	5	6	252	7424
37	CP	00	96.0	177	7683	3	6	7686	8	8	6	8	260	7595
37	CP	50	96.0	178	7861	2	4	7863	5	5	4	5	271	7767
38	CP	00	95.0	177	8038	2	6	8040	8	8	6	8	279	7933
38	CP	50	93.0	174	8212	4	6	8216	8	8	6	8	287	8100
39	CP	00	96.0	189	8376	2	5	8378	6	6	5	6	293	8282
39	CP	50	108.0	214	8790	3	3	8793	4	4	3	4	297	8492
40	CP	00	123.0	211	9001	0	0	9001	0	0	0	0	297	8704
40	CP	50	105.0	156	9157	0	0	9157	0	0	0	0	297	8860
41	CP	00	64.0	109	9266	0	0	9266	0	0	0	0	297	8969
41	CP	50	54.0	99	9366	0	0	9366	0	0	0	0	297	9068
42	CP	00	53.0	100	9466	0	0	9466	0	0	0	0	297	9168
42	CP	50	55.0	95	9561	0	0	9561	0	0	0	0	297	9264
43	CP	00	48.0	17	9578	0	0	9578	0	0	0	0	297	9281
43	CP	50	43.0	17	9621	0	0	9621	0	0	0	0	297	9281

STATE PROJECT NUMBER	SHEET NO.
6999-01-69	9.1
COMPUTER EARTHWORK SHEET	
CAMP PHILLIPS ROAD	MARATHON COUNTY

STATION	AREA S.F.	VOL. C.Y.	ACCU. C.Y.	FTCL AREA S.F.	FACTOR	TOTAL VOL. C.Y.	ADJ. C.Y.	ACCU. ADJ. C.Y.	MASS ORDINATE
SIDE STREETS									
SOUTH HUNNEL DRIVE									
11 "SH" 25	28.0			0					
11 "SH" 46	51.0	30	30	2		1	1	1	29
11 "SH" 56	58	20	50	4		1	2	3	48
11 "SH" 78	115	72	122	0		2	2	5	117
NORTH HUNNEL DRIVE									
11 "NH" 25	25			0					
11 "NH" 46	46	27	27	12		5	6	6	21
11 "NH" 56	43	16	44	9		4	5	12	32
11 "NH" 78	90	35	99	0		4	5	17	82
STERNBERG AVENUE									
11 "ST" 00	26			0					
11 "ST" 44	67	76	76	3		2	3	3	72
11 "ST" 48	71	15	91	4		1	1	4	86
11 "ST" 78	145	113	204	0		2	3	7	196
END ABRUPTLY AT CAMP PHILLIPS									
BEGIN ABRUPTLY AT CAMP PHILLIPS									
12 "ST" 22	140			0					
12 "ST" 52	82	125	125	0		0	0	0	125
13 "ST" 00	98	159	284	0		0	0	0	284
13 "ST" 50	82	167	450	0		0	0	0	450
14 "ST" 00	76	146	597	0		0	0	0	597
14 "ST" 25	26	47	644	0		0	0	0	644
BERNARD AVENUE									
11 "B" 25	26			0					
11 "B" 48	78	42	42	1		0	1	1	41
11 "B" 53	77	13	55	2		0	0	1	54
11 "B" 78	165	111	165	0		1	1	2	163
CONCORD AVENUE									
11 "C" 50	12			0					
11 "C" 78	45	29	82	0		0	0	0	29

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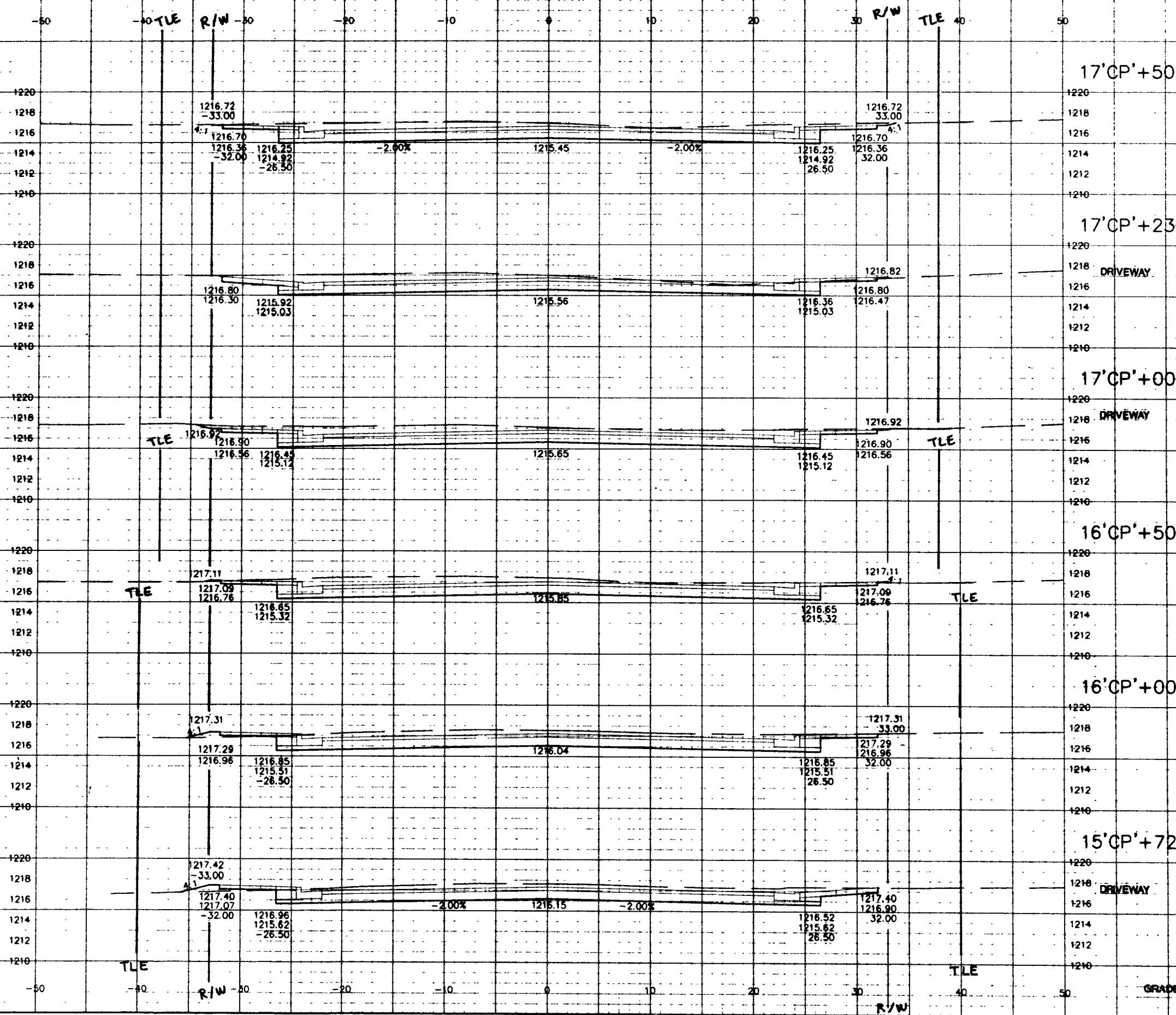


CAUTION: WISCONSIN FUEL AND LIGHT NORMALLY INSTALLS GAS MAINS 36 INCHES BELOW EXISTING GRADE. FIELD CONDITIONS MAY CAUSE THE DEPTH TO VARY.



GRADES SHOWN ARE SUBGRADE; TEMPLATE IS SUBGRADE

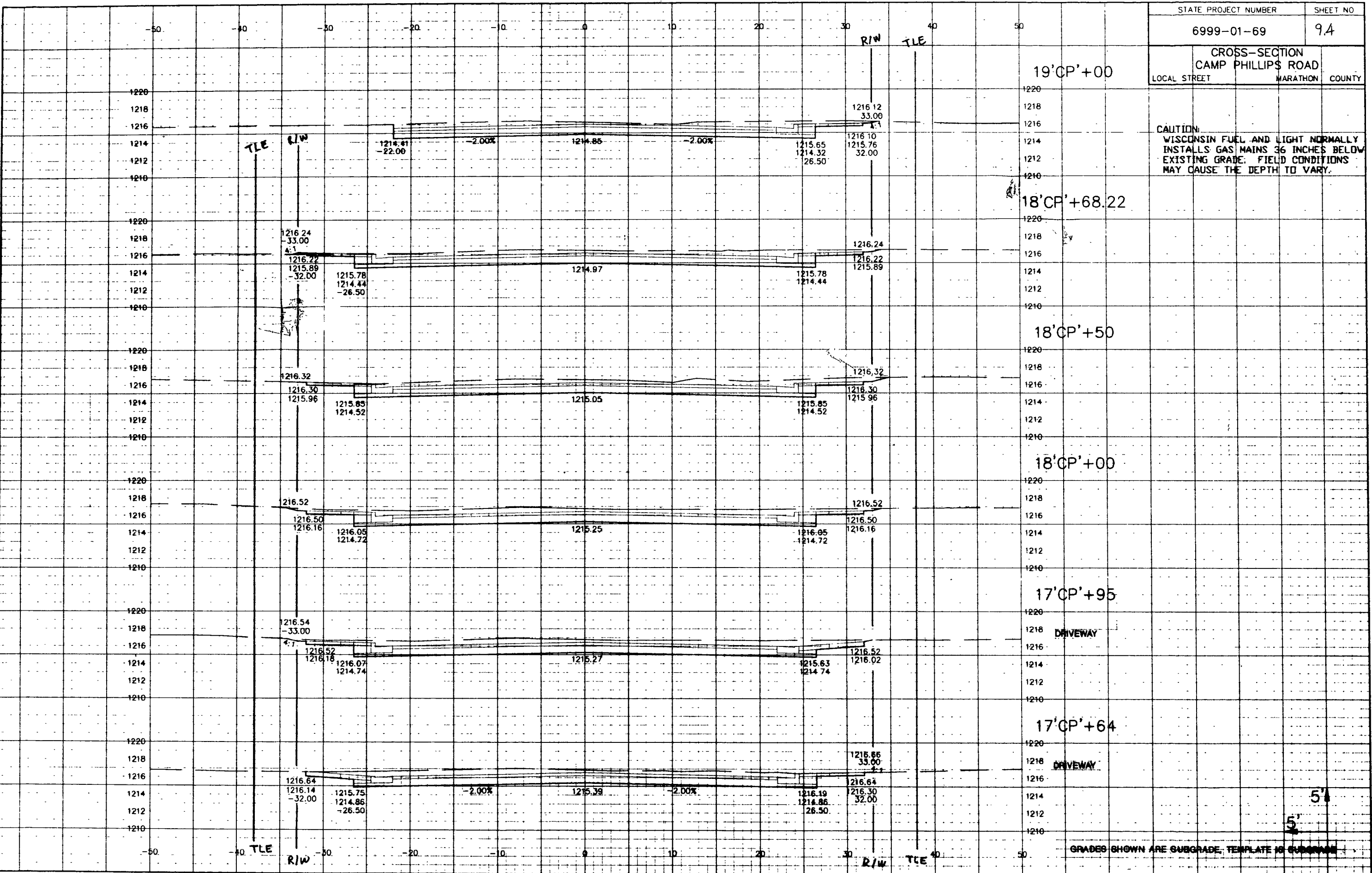
Drawn 2-17-95



CAUTION:
WISCONSIN FUEL AND LIGHT NORMALLY
INSTALLS GAS MAINS 36 INCHES BELOW
EXISTING GRADE. FIELD CONDITIONS
MAY CAUSE THE DEPTH TO VARY.

GRADES SHOWN ARE SUBGRADE, TEMPLATE IS SUBGRADE

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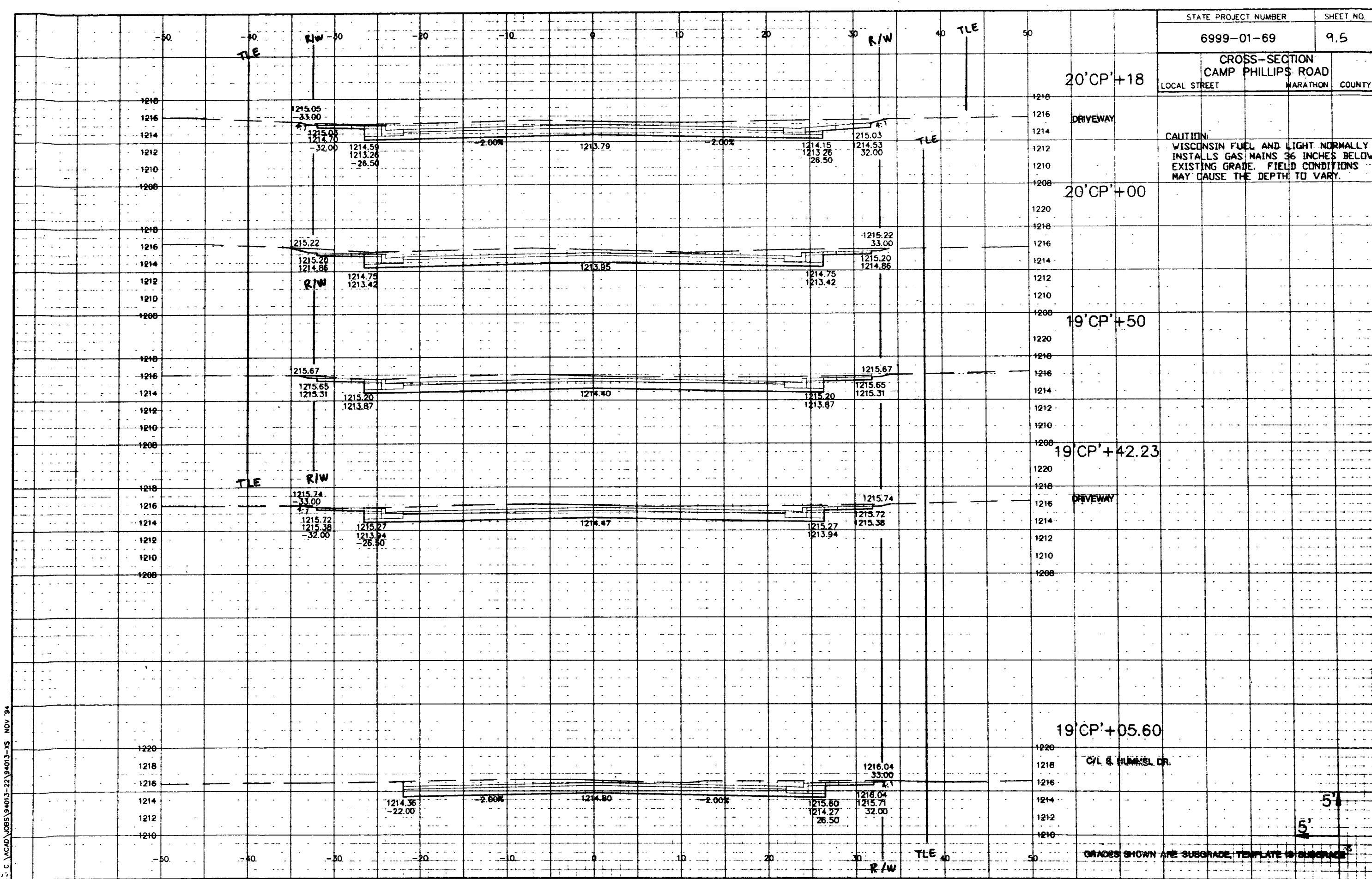
STATE PROJECT NUMBER		SHEET NO
6999-01-69		94
CROSS-SECTION		
CAMP PHILLIPS ROAD		
LOCAL STREET	MARATHON	COUNTY

CAUTION:
WISCONSIN FUEL AND LIGHT NORMALLY
INSTALLS GAS MAINS 36 INCHES BELOW
EXISTING GRADE. FIELD CONDITIONS
MAY CAUSE THE DEPTH TO VARY.

GRADES SHOWN ARE SUBGRADE, TEMPLATE IS SUBGRADE

Revised 2-17-95

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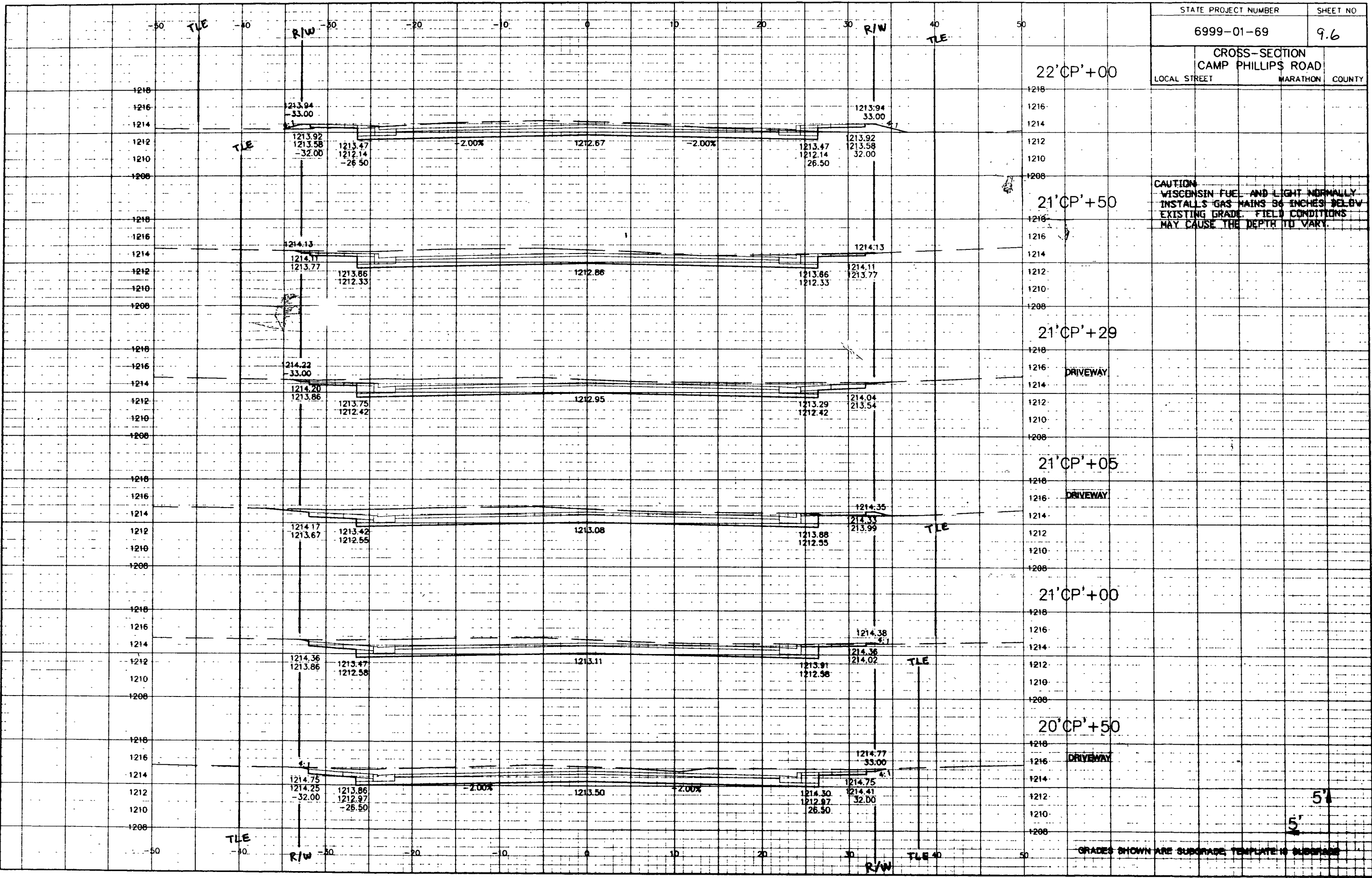


STATE PROJECT NUMBER	SHEET NO.
6999-01-69	9.5
CROSS-SECTION CAMP PHILLIPS ROAD	
LOCAL STREET	WARATHON COUNTY

5'
5'

Revised 2-17-95

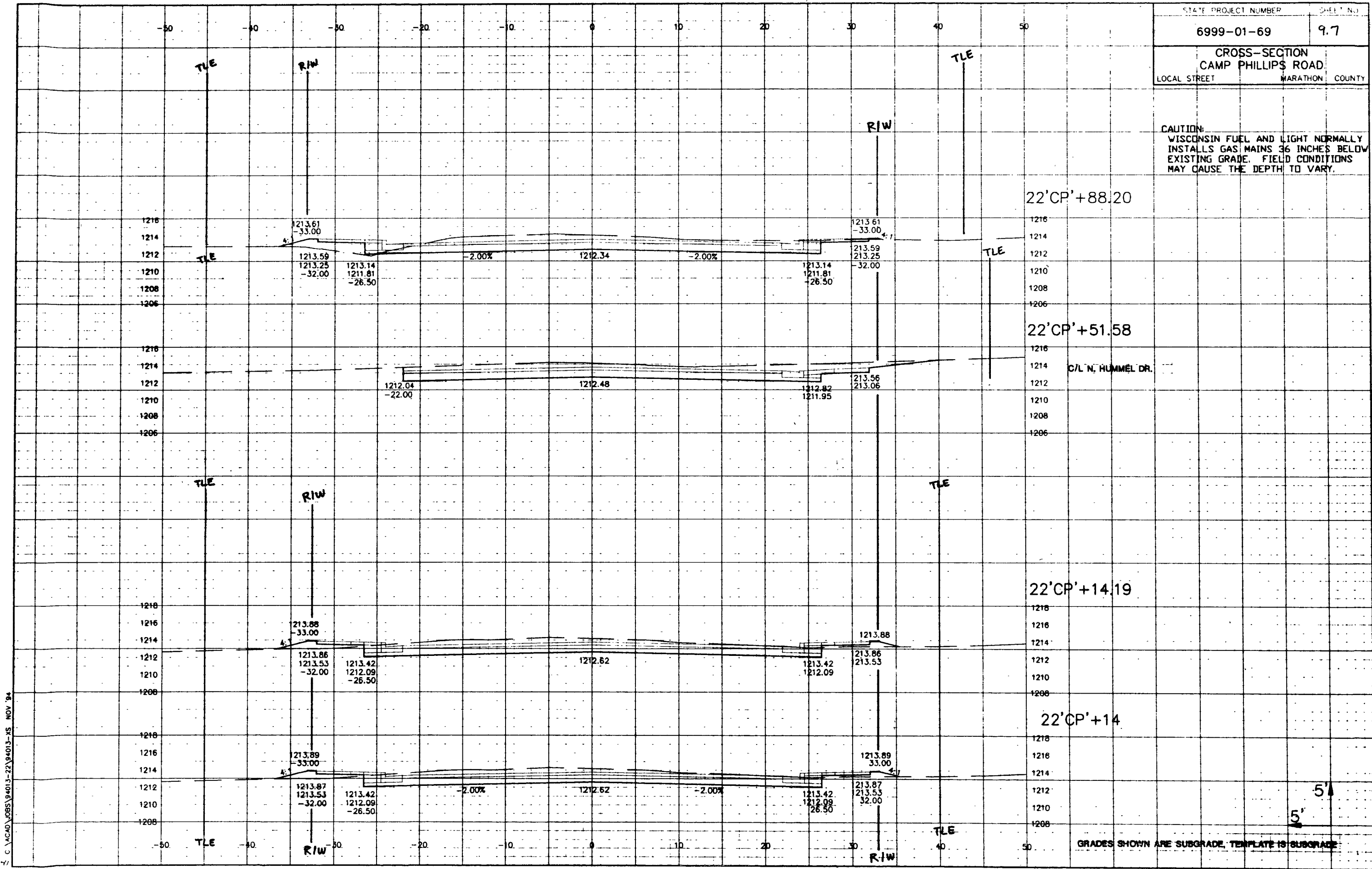
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STATE PROJECT NUMBER		SHEET NO
6999-01-69		9.6
CROSS-SECTION CAMP PHILLIPS ROAD		
LOCAL STREET	MARATHON	COUNTY

5'
5'

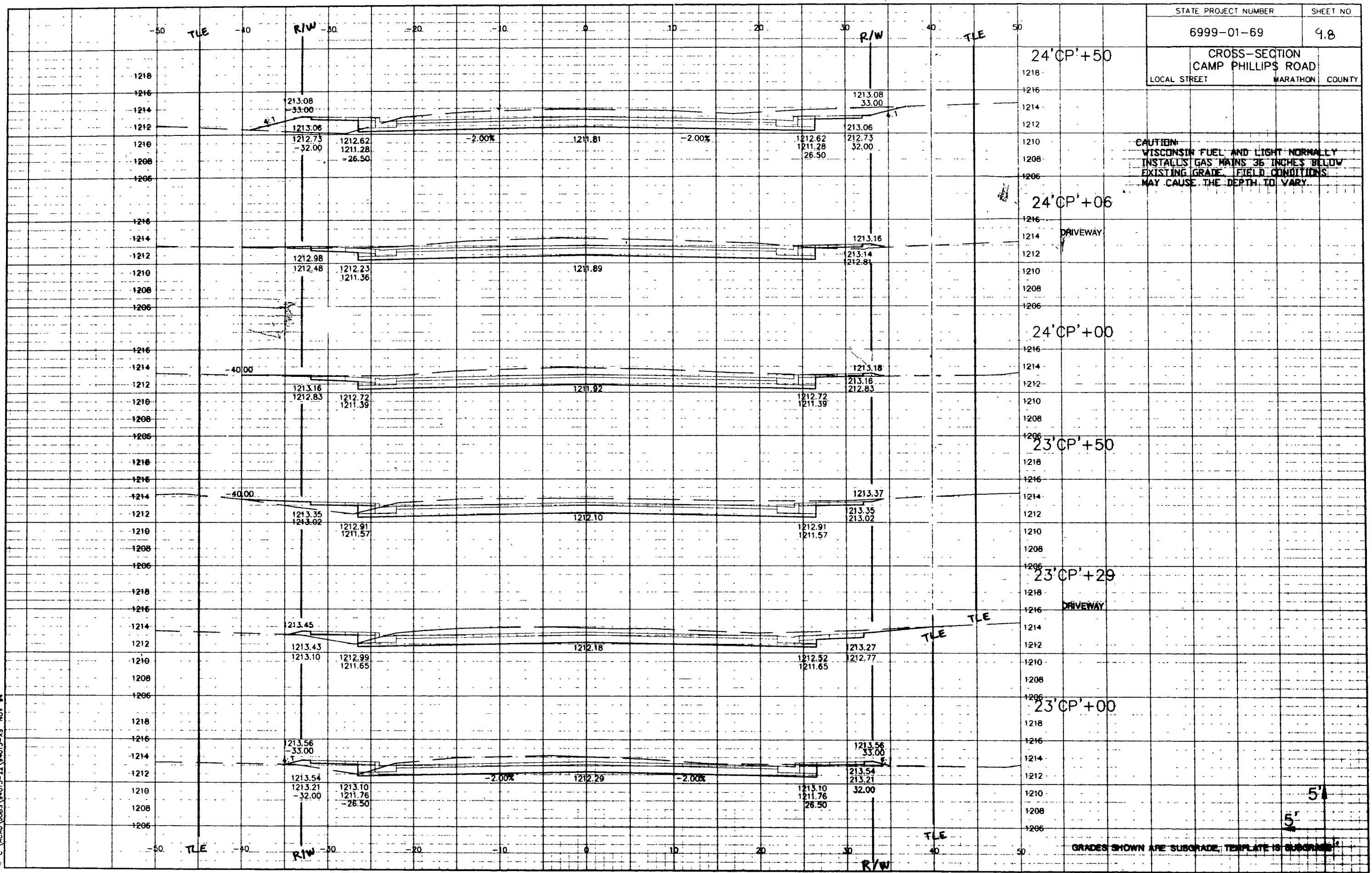
Revised 2-17-95



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Revised 2-17-95

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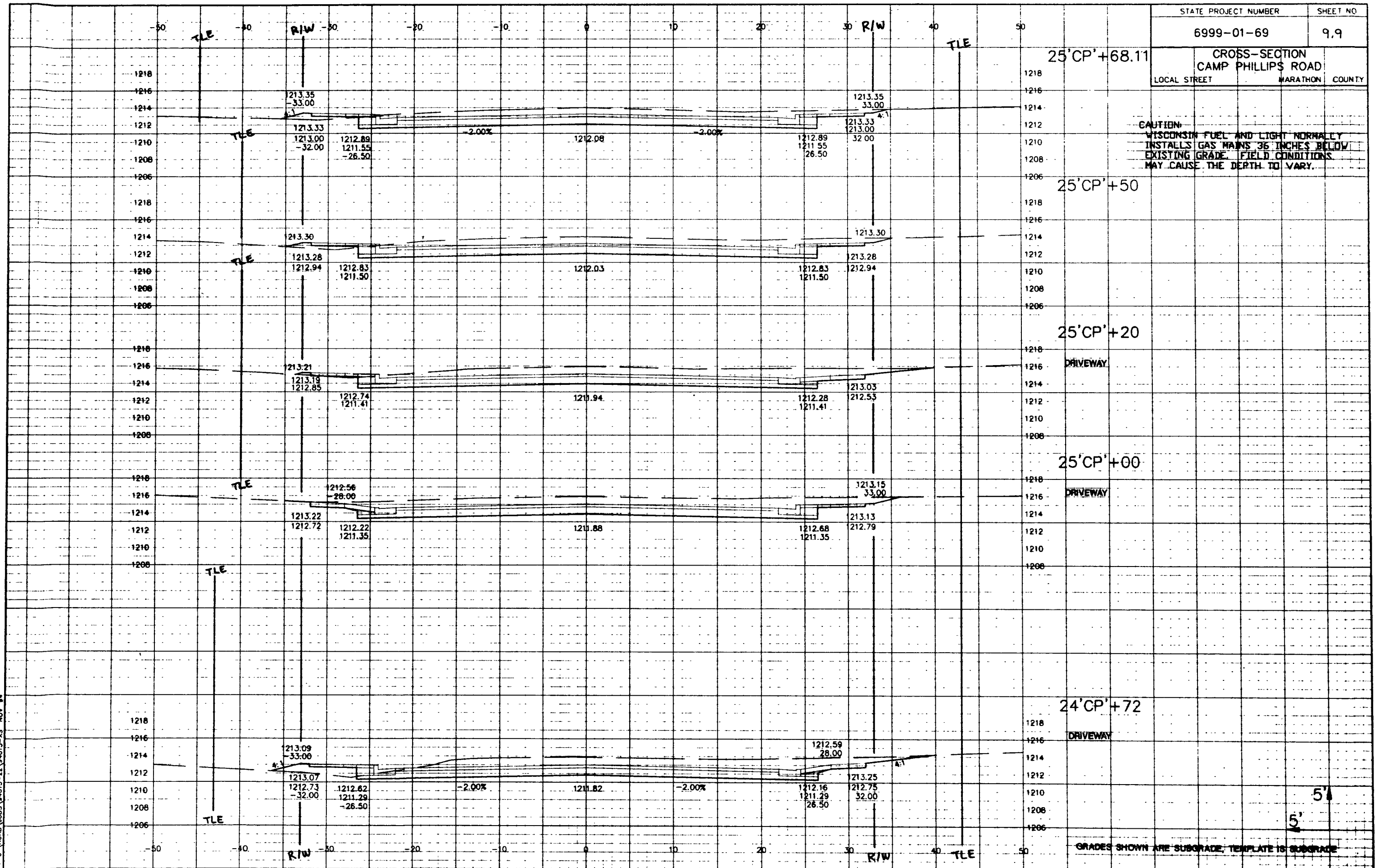
STATE PROJECT NUMBER	SHEET NO
6999-01-69	9.8
CROSS-SECTION CAMP PHILLIPS ROAD	
LOCAL STREET	MARATHON COUNTY

CAUTION:
WISCONSIN FUEL AND LIGHT NORMALLY
INSTALLS GAS MAINS 36 INCHES BELOW
EXISTING GRADE. FIELD CONDITIONS
MAY CAUSE THE DEPTH TO VARY.

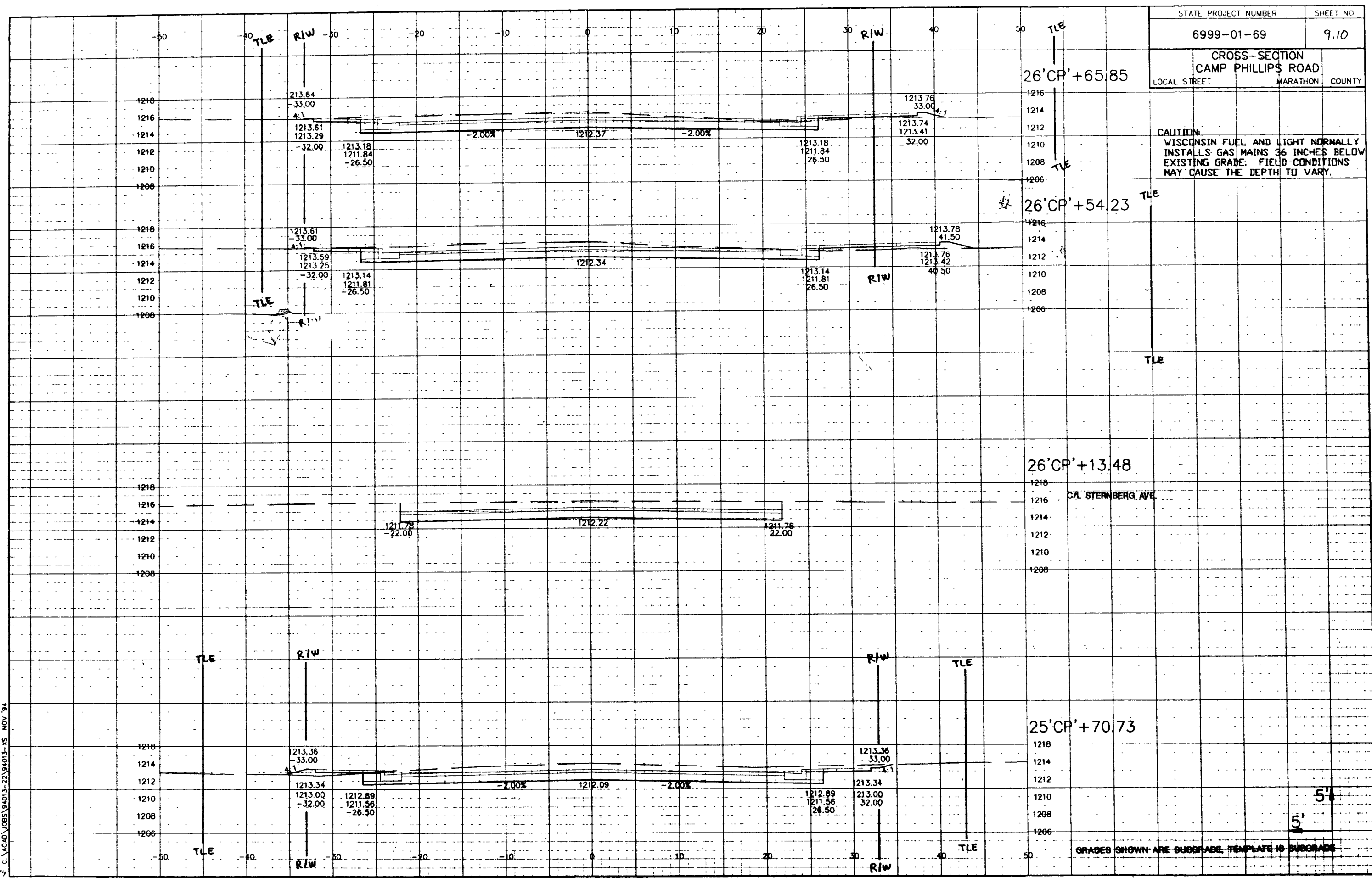
GRADES SHOWN ARE SUBGRADE. TEMPLATE IS SUBGRADE.

Revised 2-17-95

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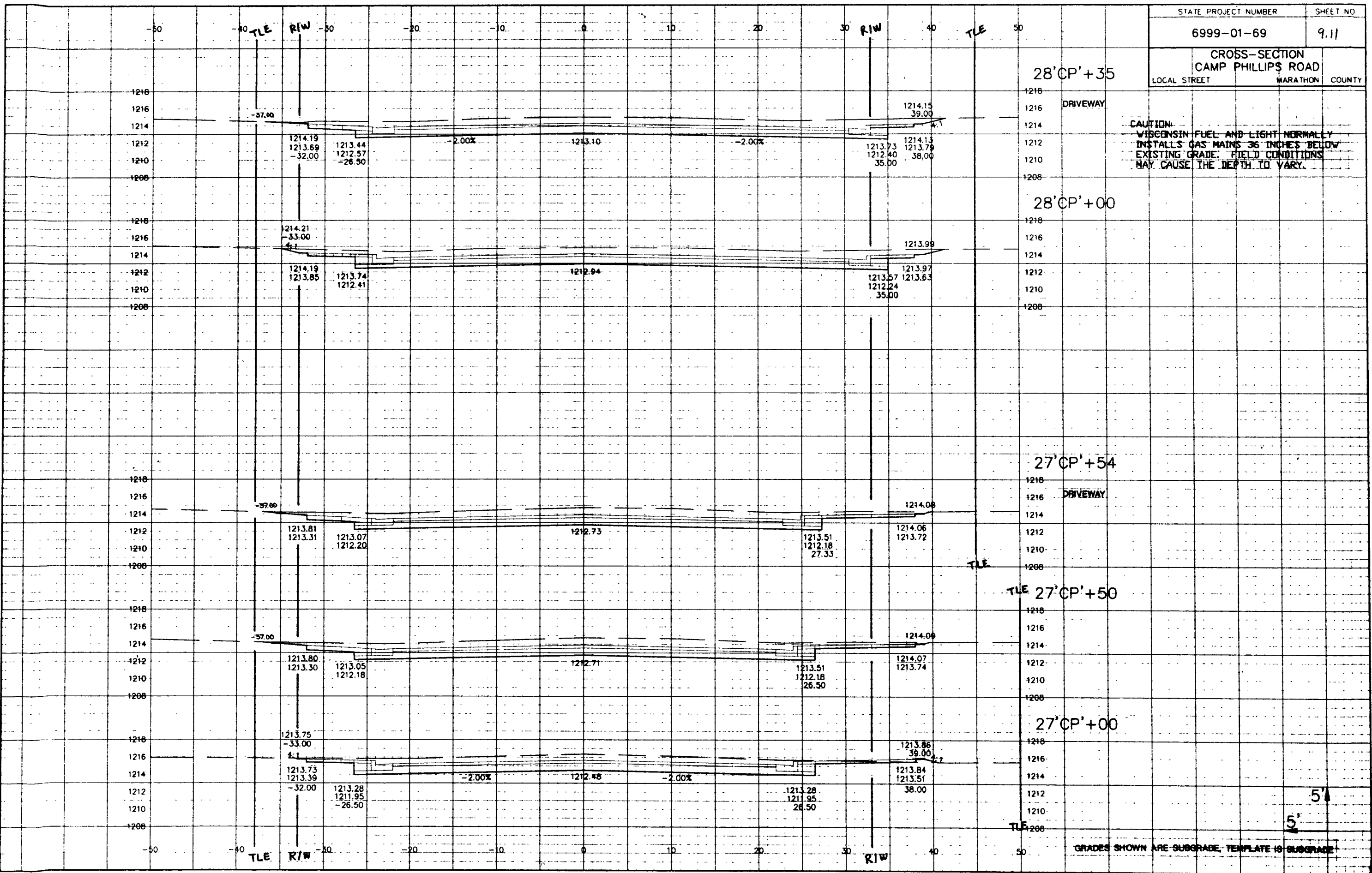
STATE PROJECT NUMBER	SHEET NO
6999-01-69	9.10
CROSS-SECTION CAMP PHILLIPS ROAD	
LOCAL STREET	MARATHON COUNTY

CAUTION:
WISCONSIN FUEL AND LIGHT NORMALLY
INSTALLS GAS MAINS 36 INCHES BELOW
EXISTING GRADE. FIELD CONDITIONS
MAY CAUSE THE DEPTH TO VARY.

GRADES SHOWN ARE SUBGRADE. TEMPLATE IS SUBGRADE

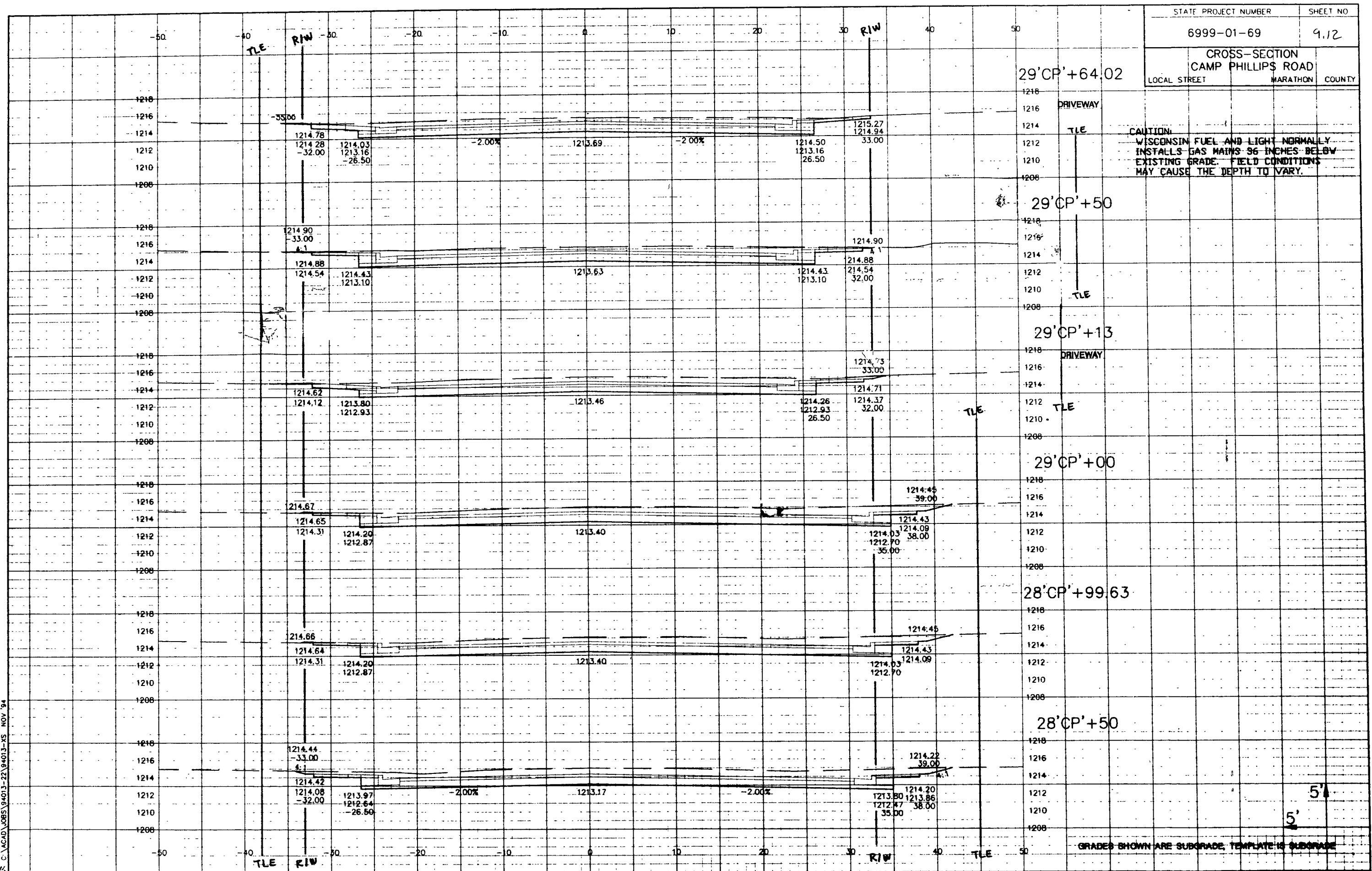
Revised 2-17-95

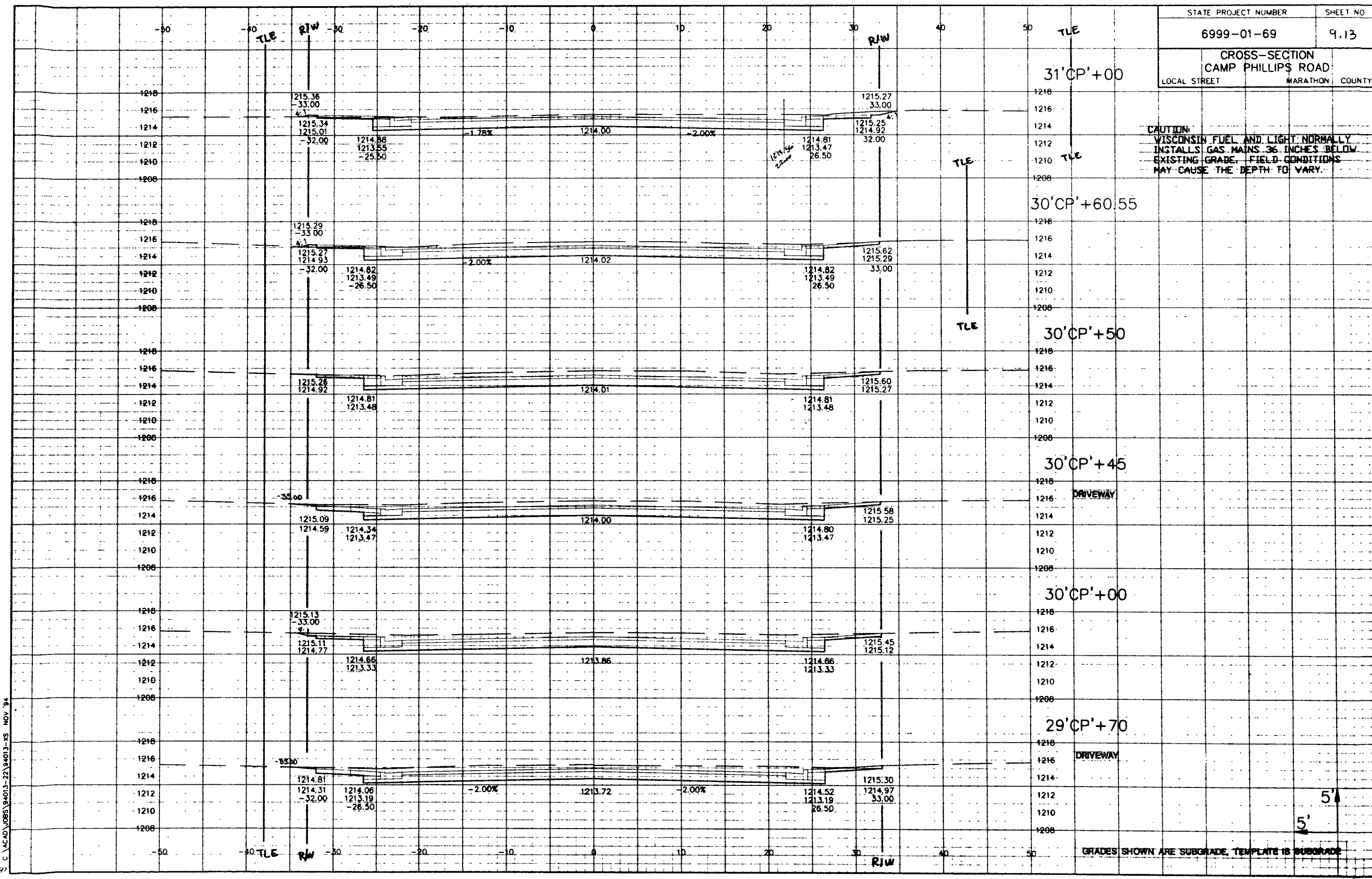
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Revised 2-17-95

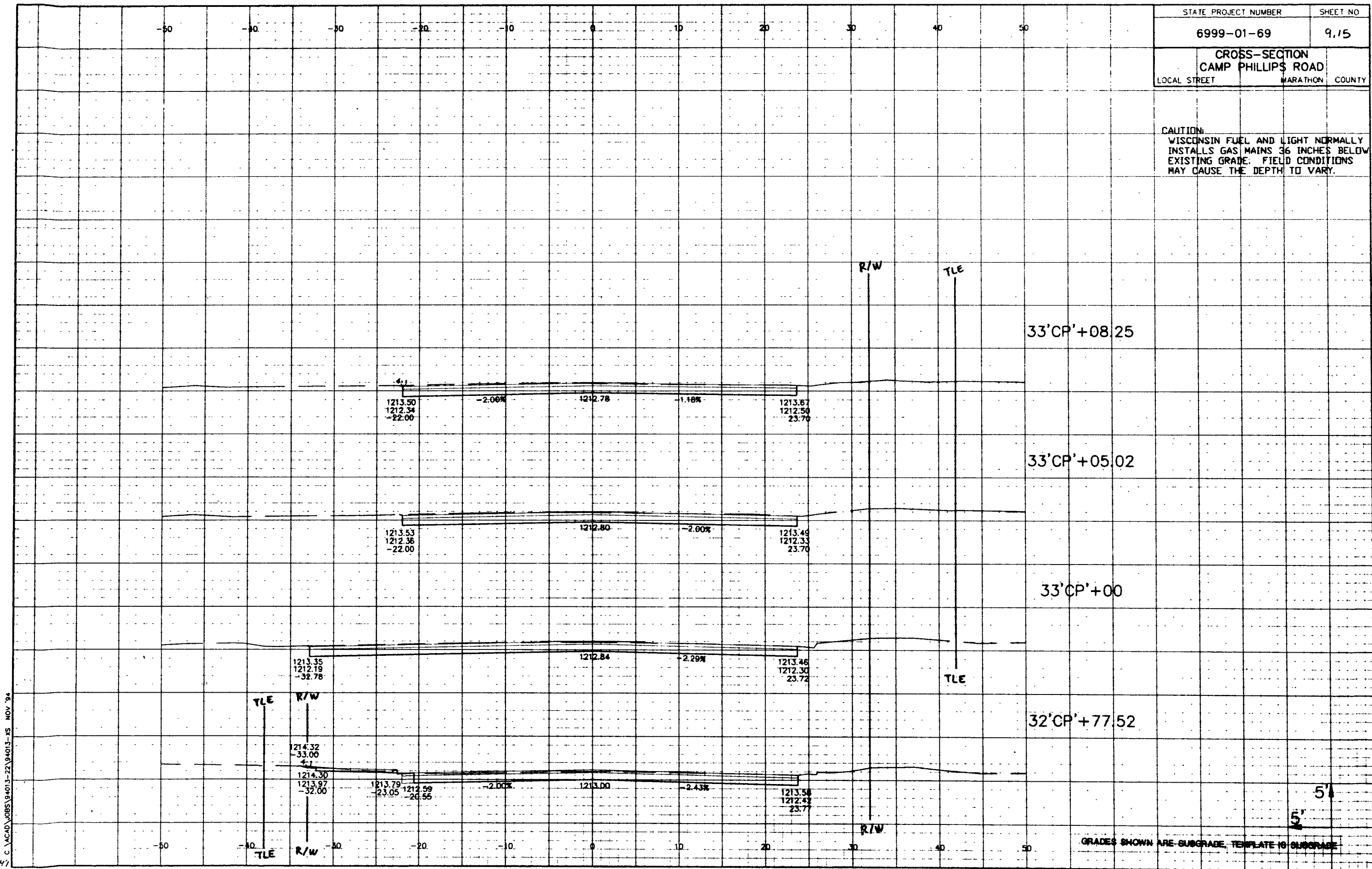
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Revised 2-17-95



STATE PROJECT NUMBER
6999-01-69

SHEET NO
9.15

CROSS-SECTION
CAMP PHILLIPS ROAD

LOCAL STREET MARATHON COUNTY

CAUTION:
WISCONSIN FUEL AND LIGHT NORMALLY
INSTALLS GAS MAINS 36 INCHES BELOW
EXISTING GRADE. FIELD CONDITIONS
MAY CAUSE THE DEPTH TO VARY.

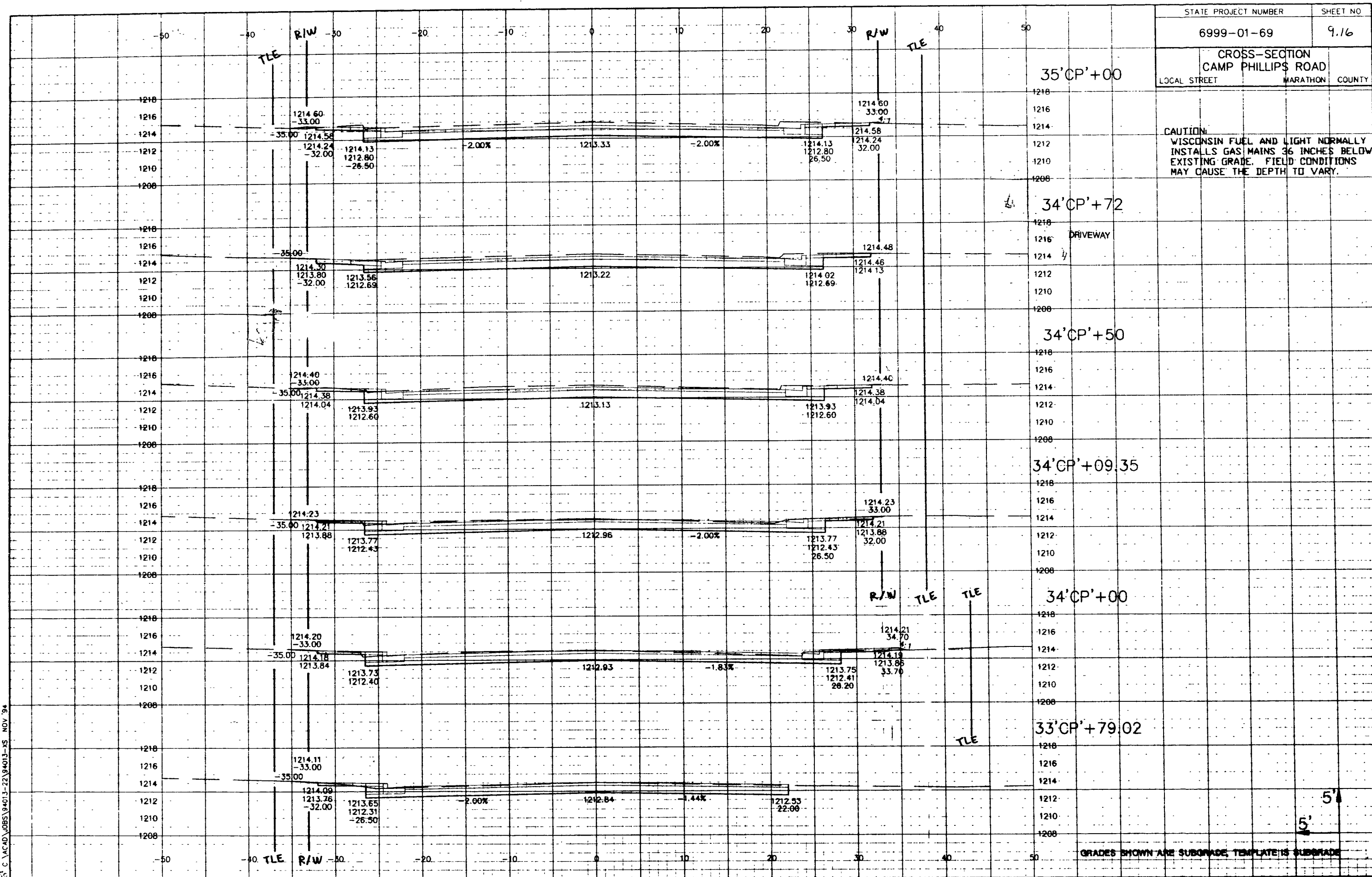
GRADES SHOWN ARE SUBGRADE, TEMPLATE IS SUBGRADE

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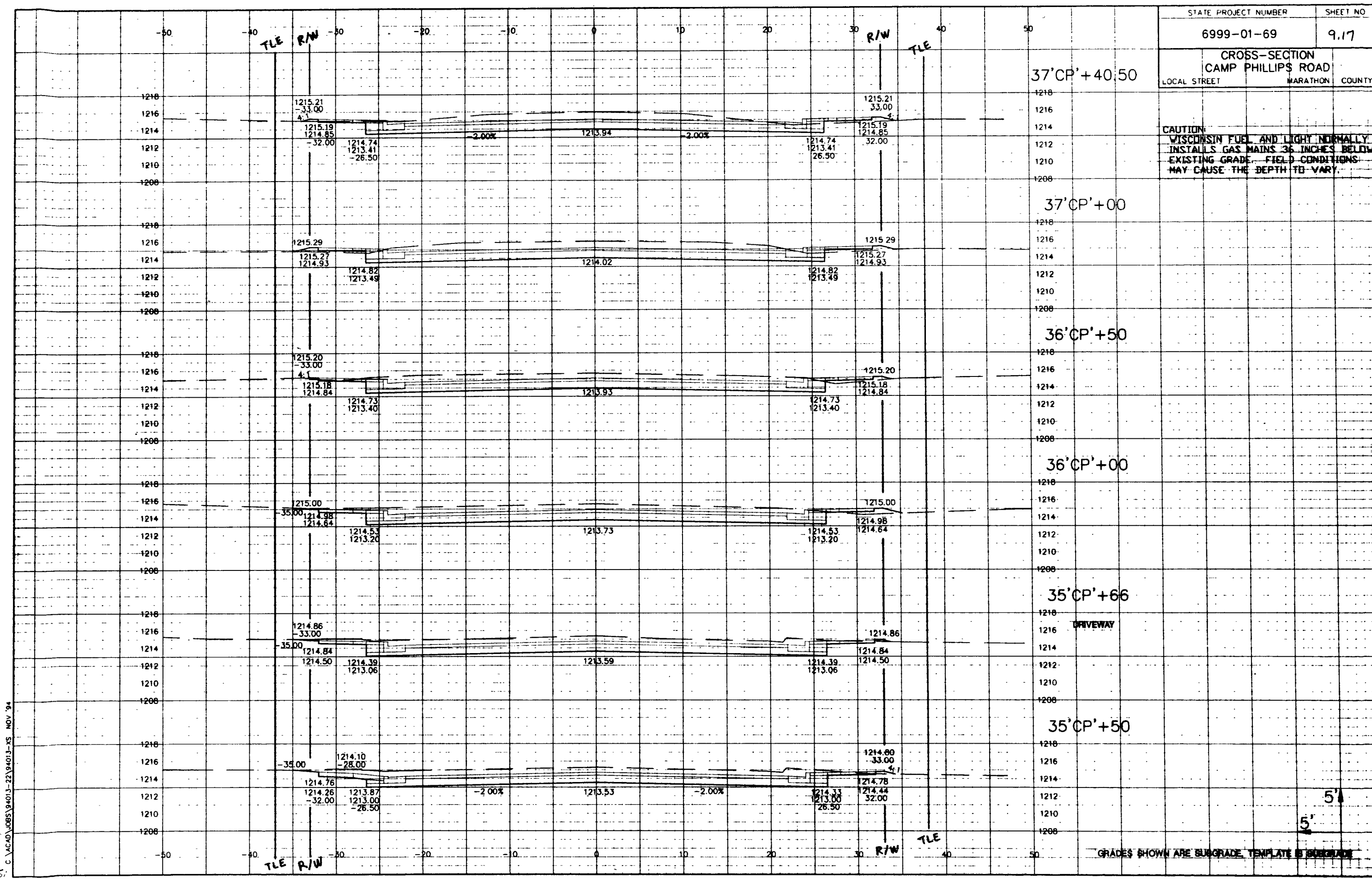
5'
5'

2.17-95

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Revised 2-17-95

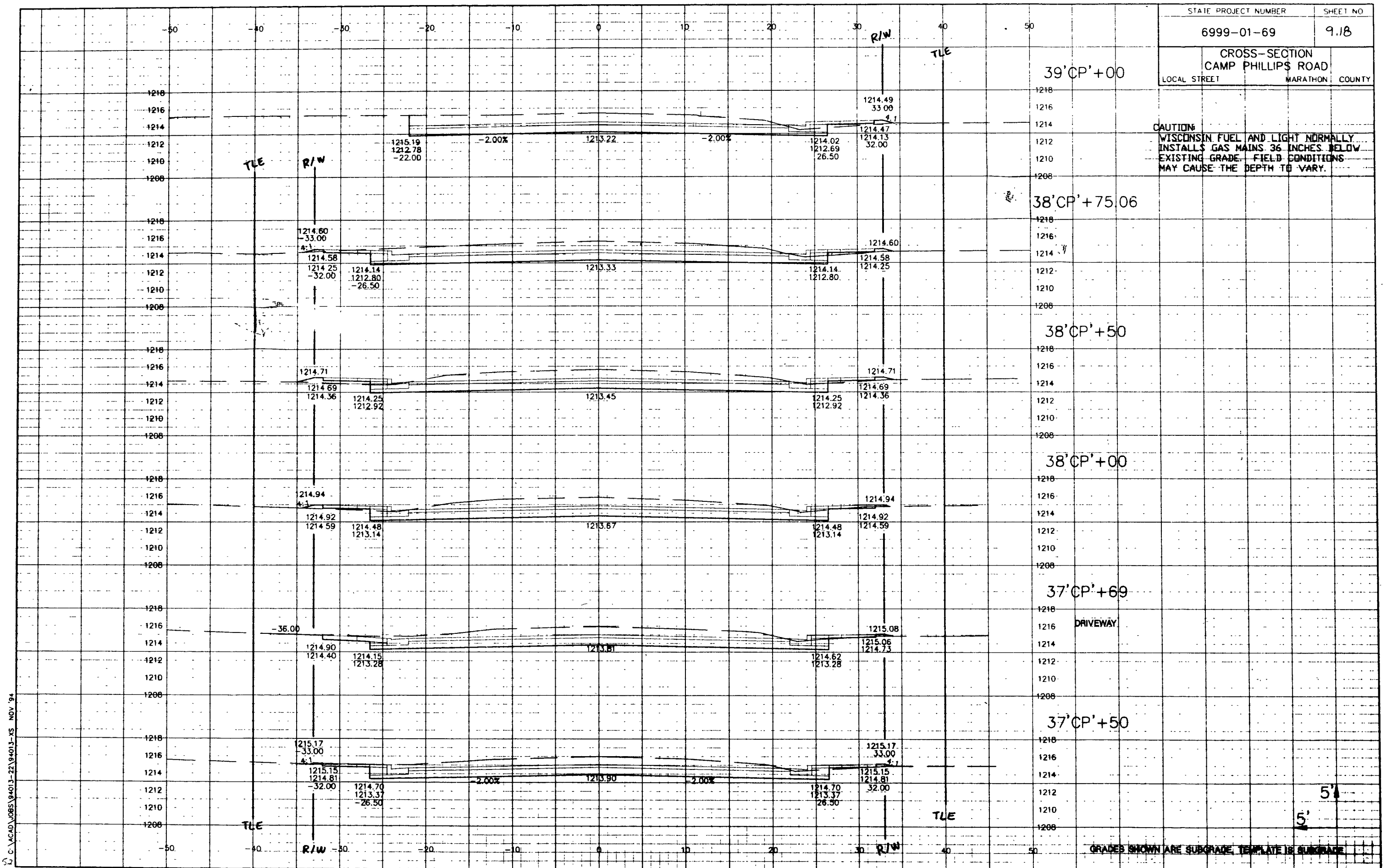


STATE PROJECT NUMBER		SHEET NO
6999-01-69		9.17
CROSS-SECTION CAMP PHILLIPS ROAD		
LOCAL STREET	MARATHON	COUNTY

CAUTION:
WISCONSIN FUEL AND LIGHT NORMALLY
INSTALLS GAS MAINS 36 INCHES BELOW
EXISTING GRADE. FIELD CONDITIONS
MAY CAUSE THE DEPTH TO VARY.

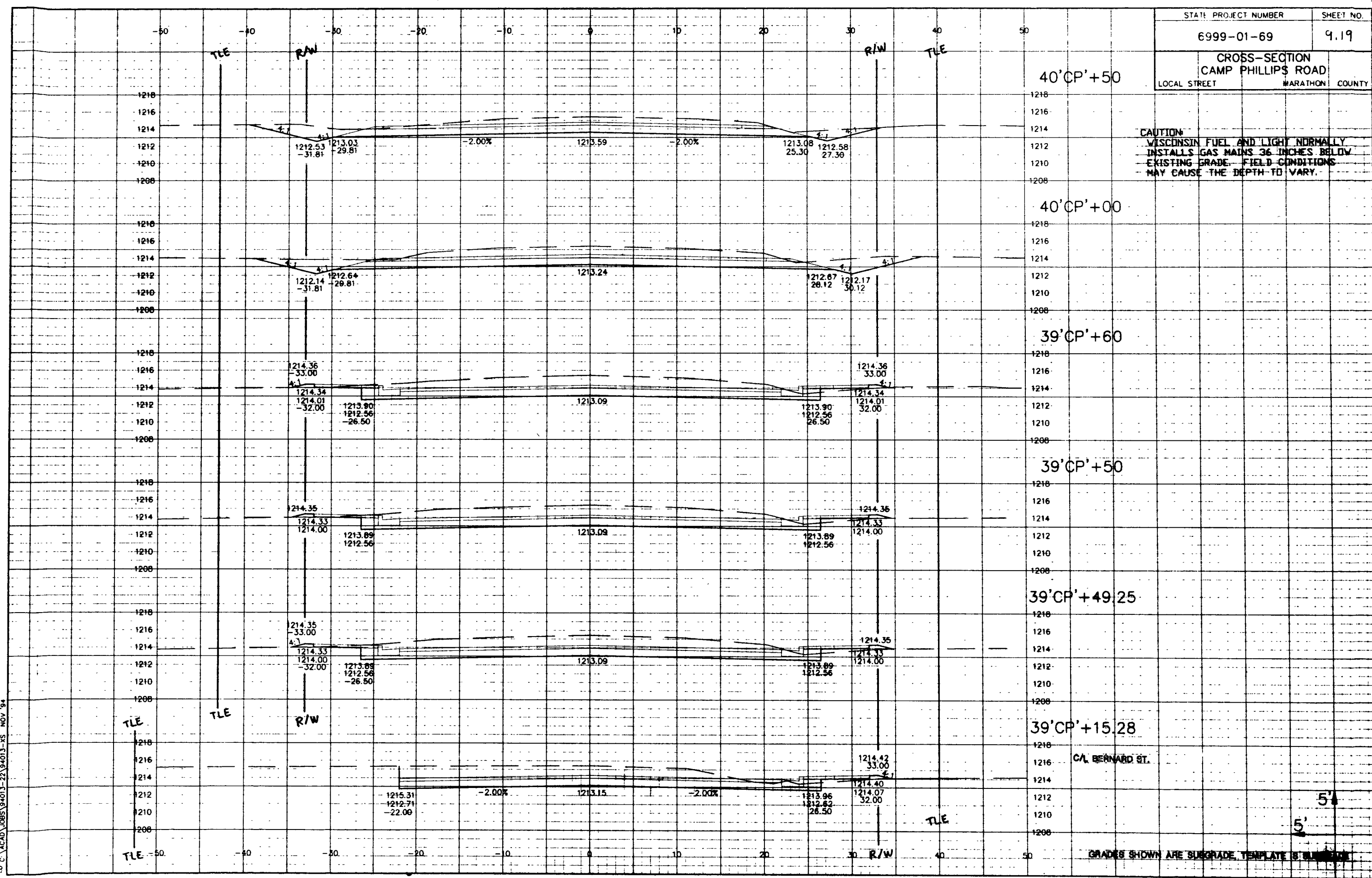
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Revised 2-17-95

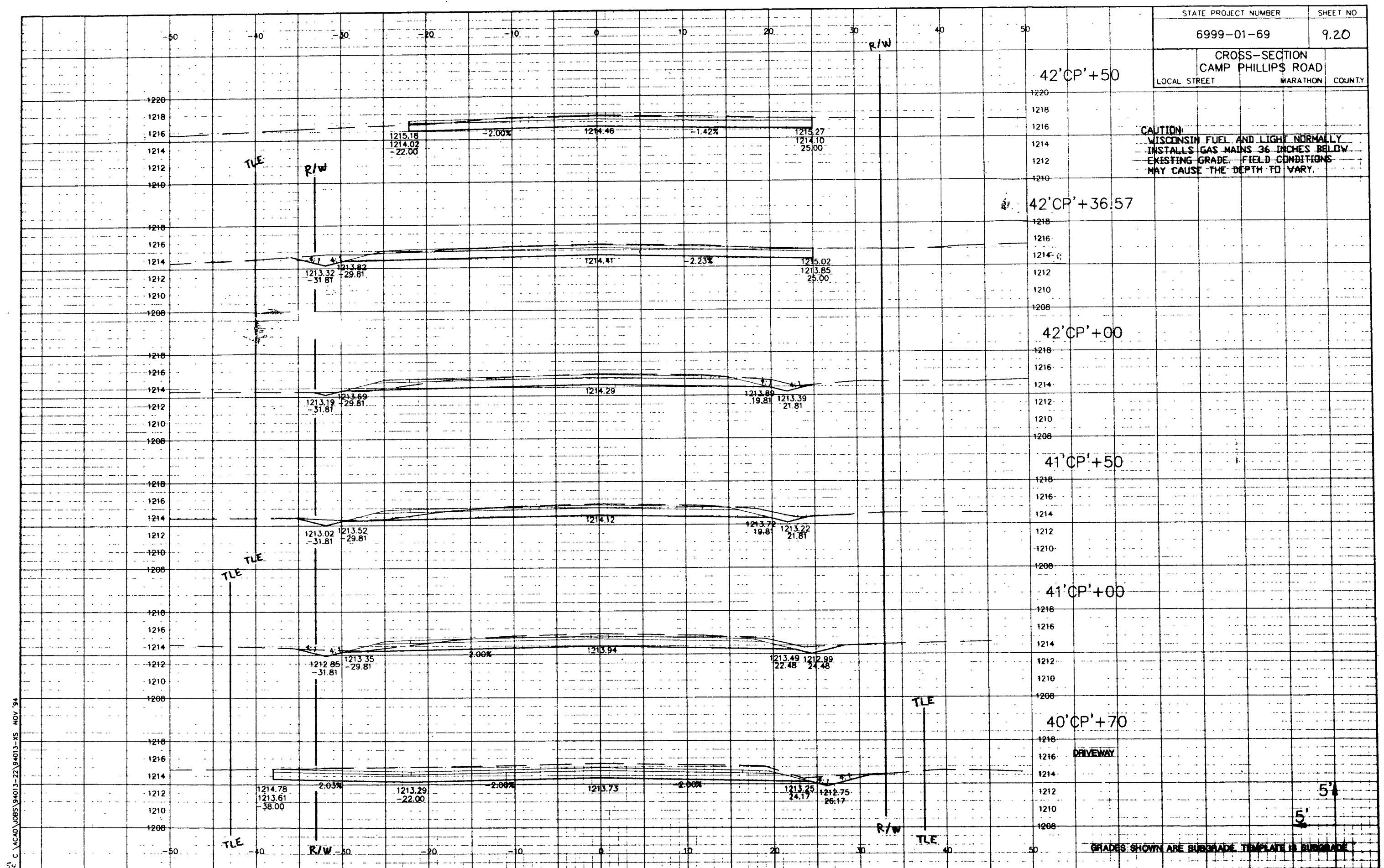


STATE PROJECT NUMBER	SHEET NO.
6999-01-69	9.19
CROSS-SECTION CAMP PHILLIPS ROAD	
LOCAL STREET	COUNTY

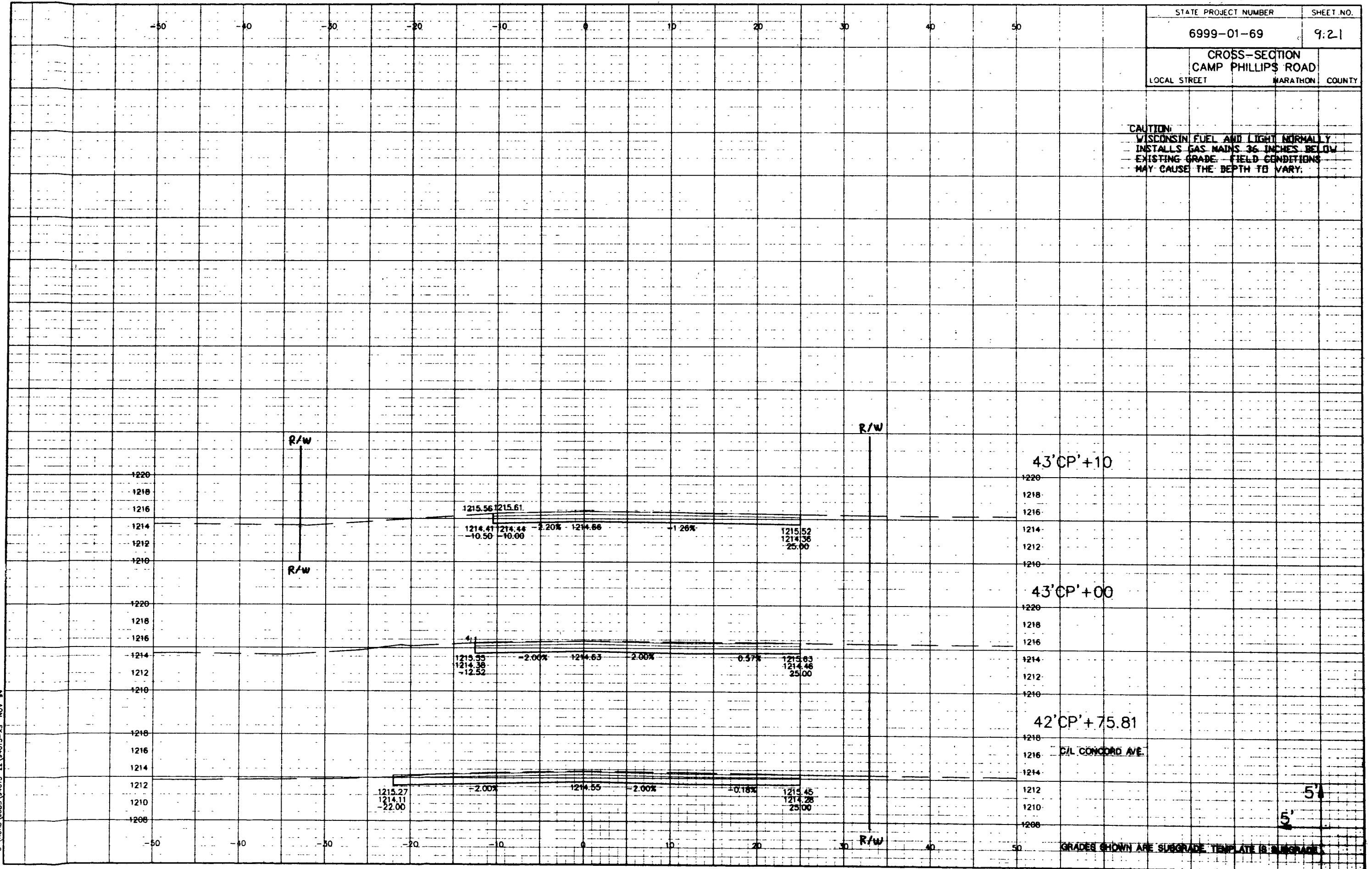
CAUTION
WISCONSIN FUEL AND LIGHT NORMALLY
INSTALLS GAS MAINS 36 INCHES BELOW
EXISTING GRADE. FIELD CONDITIONS
MAY CAUSE THE DEPTH TO VARY.



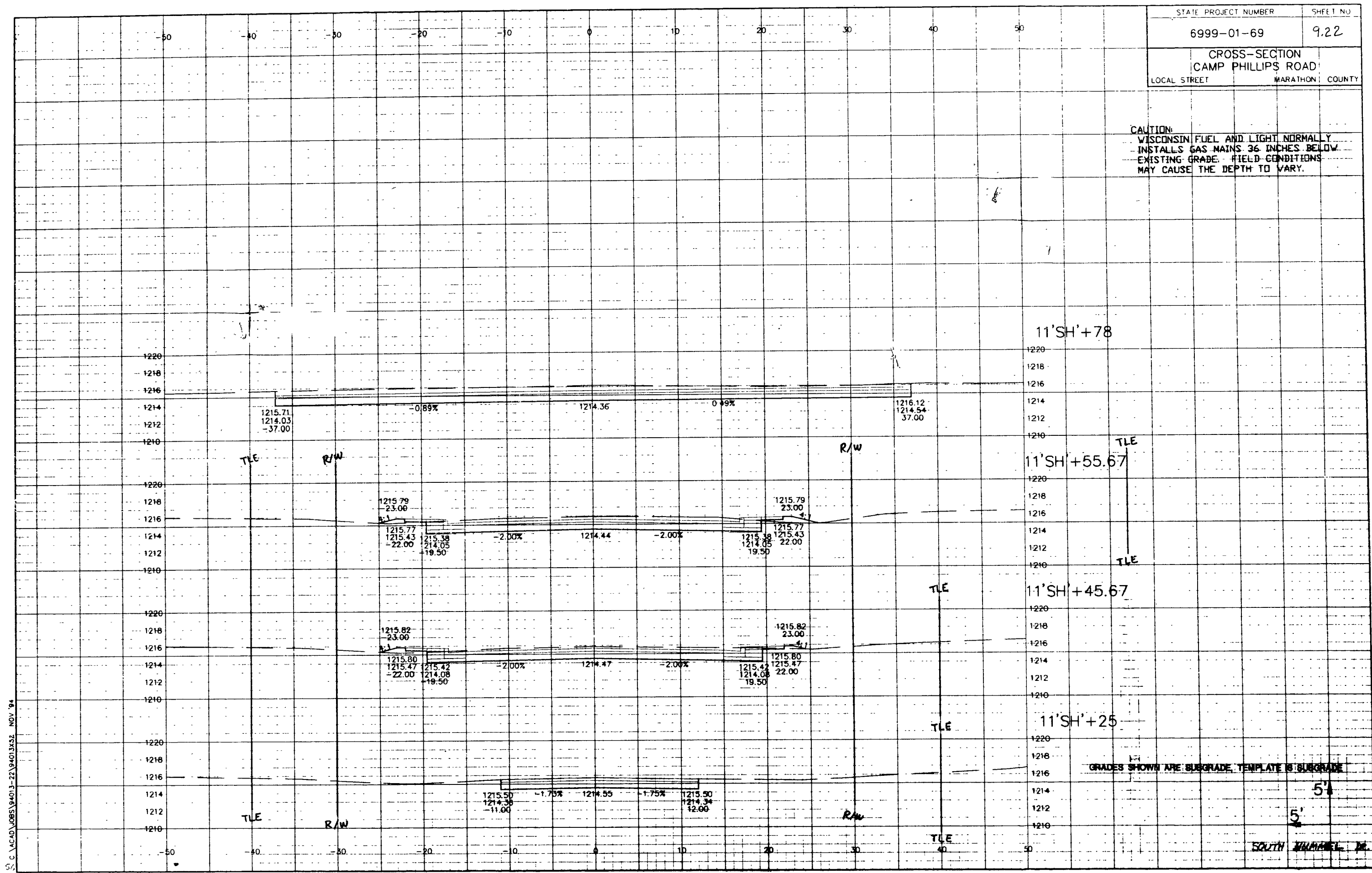
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Drawn 2-17-95

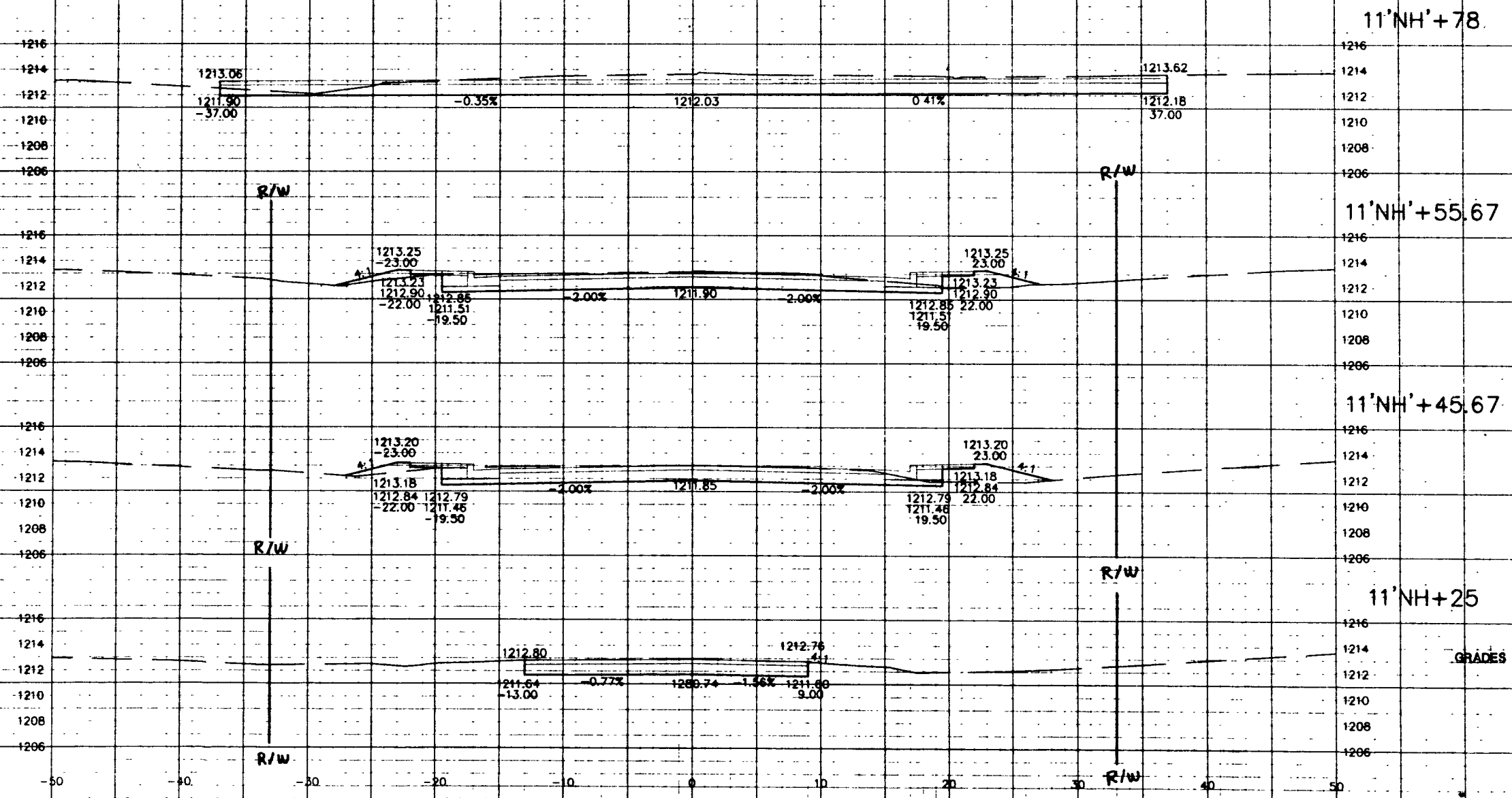


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SOUTH HANDEL DR.

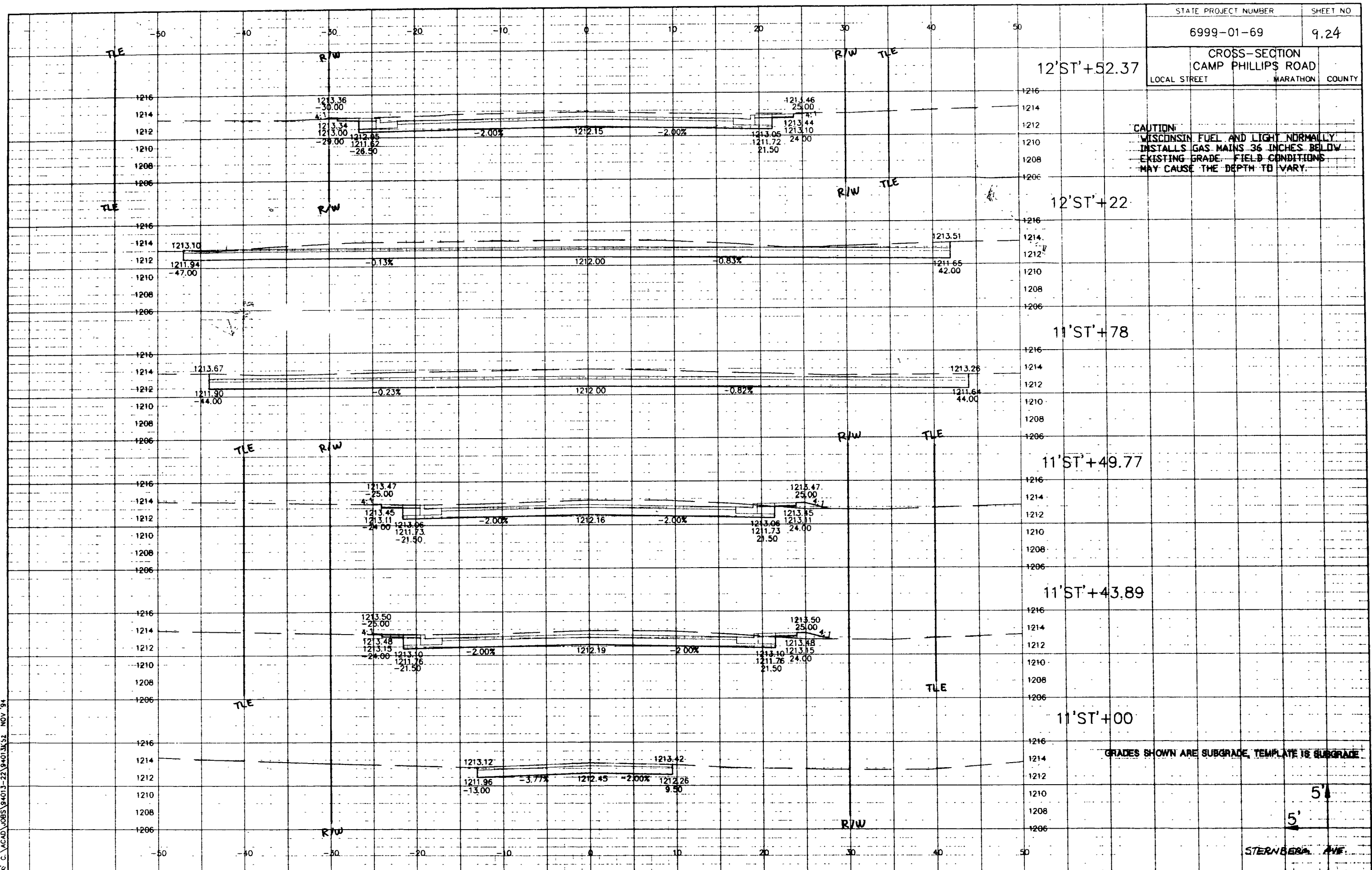
Revised 2-17-95

CAUTION:
WISCONSIN FUEL AND LIGHT NORMALLY
INSTALLS GAS MAINS 36 INCHES BELOW
EXISTING GRADE. FIELD CONDITIONS
MAY CAUSE THE DEPTH TO VARY.



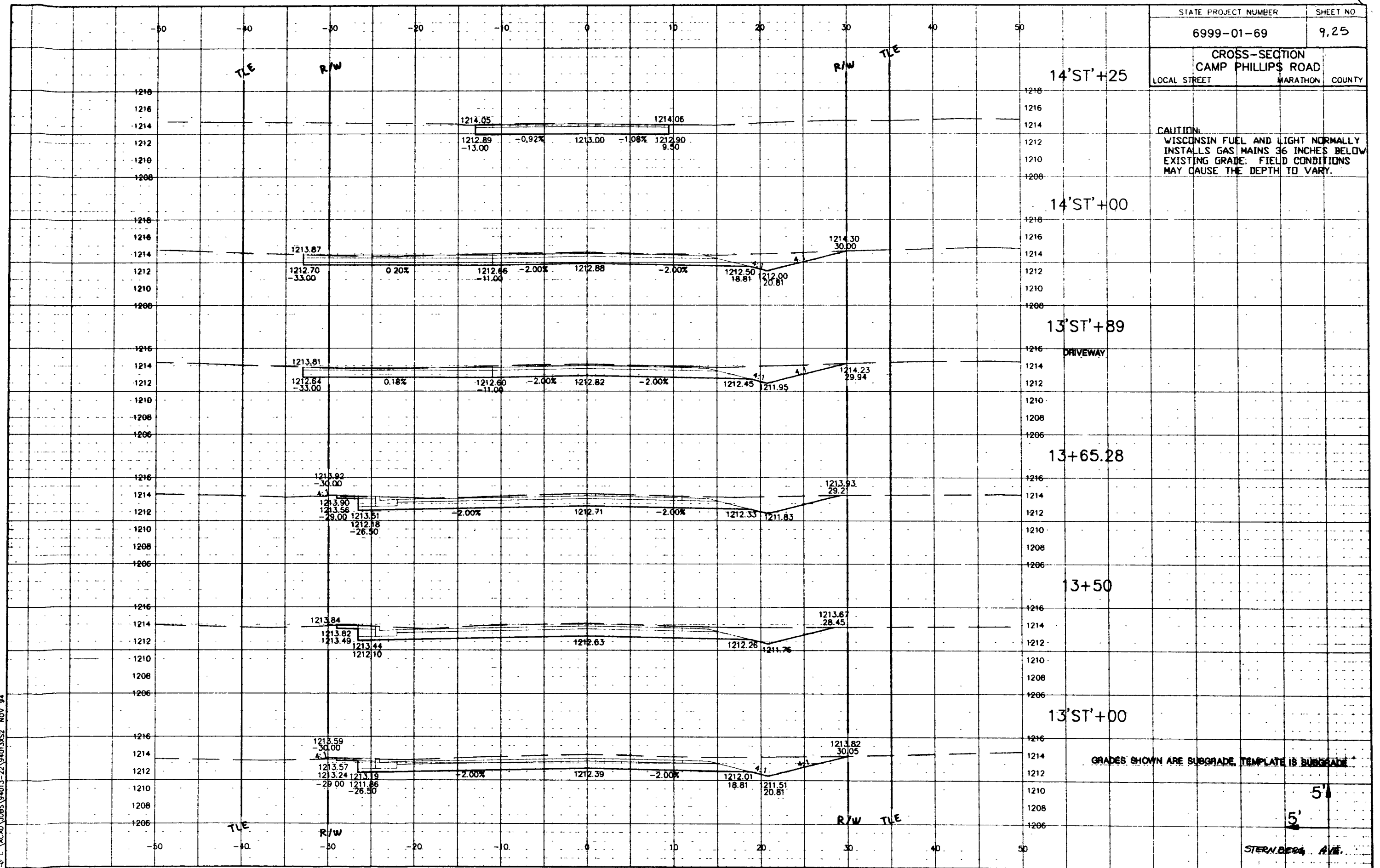
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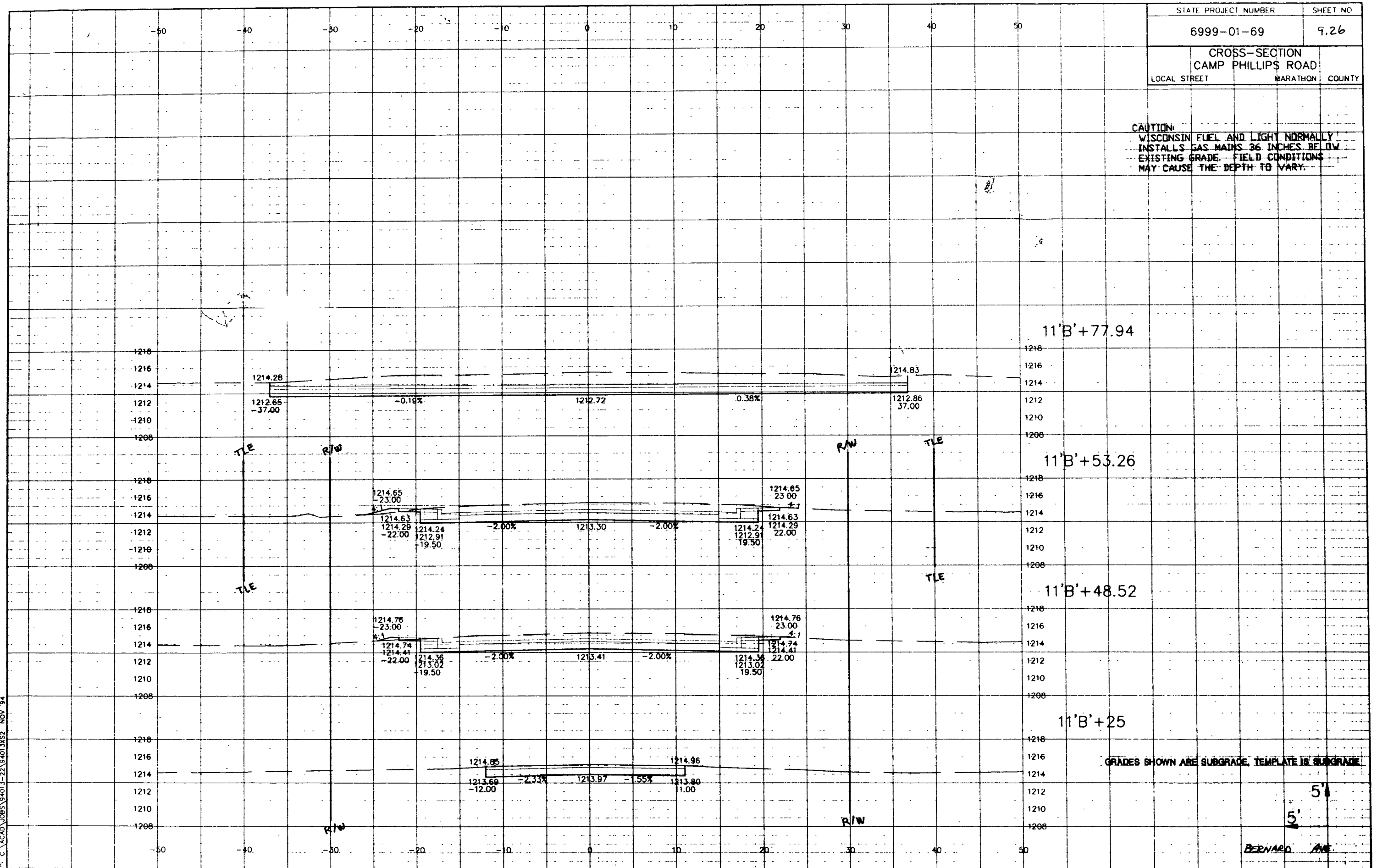
Revised 2-17-95

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Revised 2-17-95

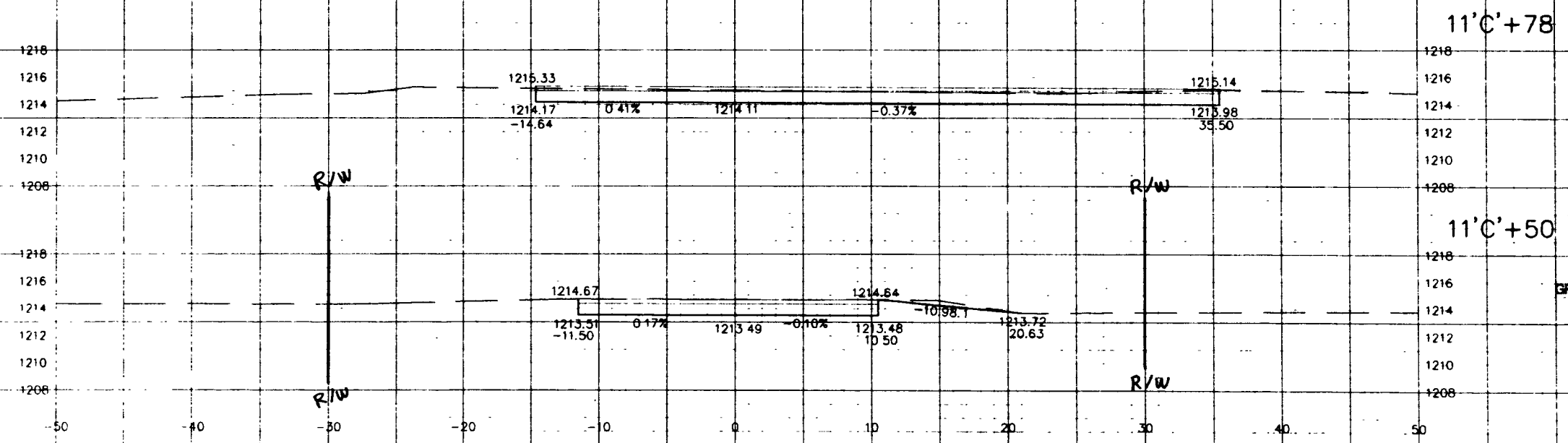
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Revised 2-17-95

STATE PROJECT NUMBER		SHEET NO.
6999-01-69		9.27
CROSS-SECTION		
CAMP PHILLIPS ROAD		
LOCAL STREET	MARATHON	COUNTY

CAUTION:
 WISCONSIN FUEL AND LIGHT NORMALLY
 INSTALLS GAS MAINS 36 INCHES BELOW
 EXISTING GRADE. FIELD CONDITIONS
 MAY CAUSE THE DEPTH TO VARY.



GRADES SHOWN ARE SUBGRADE, TEMPLATE IS SUBGRADE.

5'
 5'
 CONCORD AVE

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Revised 2-17-95