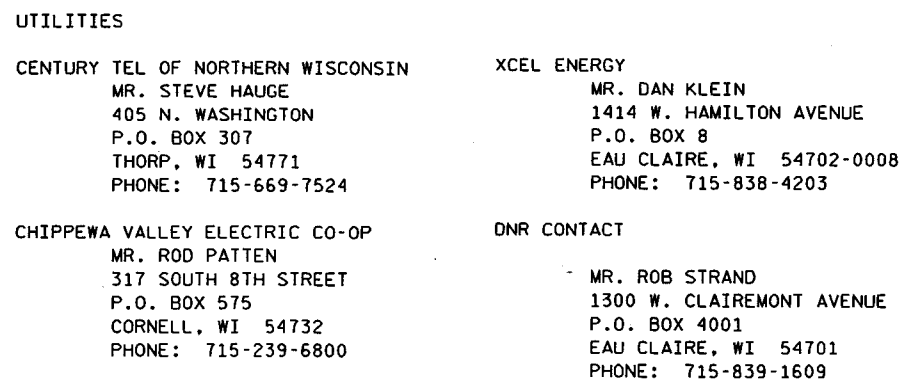


ABUT.	ABUTMENT
AGG.	AGGREGATE
AH.	AHEAD
APPROX.	APPROXIMATE
A.E.W.	APRON ENDWALL
ASPH.	ASPHALTIC
A.D.T.	AVERAGE DAILY TRAFFIC
AZ.	AZIMUTH
BK.	BACK
BEG.	BEGIN
B.M.	BENCH MARK
C/L	CENTER LINE
CL.	CLASS
CONC.	CONCRETE
CONST.	CONSTRUCTION
CO.	COUNTY
C.A.C.P.	CORRUGATED ALUMINUM CULVERT PIPE
C.P.C.P.	CORRUGATED POLYETHYLENE CULVERT PIPE
C.S.C.P.	CORRUGATED STEEL CULVERT PIPE
C.T.H.	COUNTY TRUNK HIGHWAY
X-SEC.	CROSS SECTION
CR.	CRUSHED
CFS	CUBIC FEET/SECOND
C.Y., CU. YD.	CUBIC YARD
CULV.	CULVERT
C.P.	CULVERT PIPE
D.O.T.	DEPARTMENT OF TRANSPORTATION
D.H.V.	DESIGN HOUR VOLUME
DIA.	DIAMETER
D.	DIRECTIONAL DISTRIBUTION
DISCH. OR DIS.	DISCHARGE
EA.	EACH
ELECT.	ELECTRIC
EL. OR ELEV.	ELEVATION
EMB.	EMBANKMENT
E.B.S.	EXCAVATION BELOW SUBGRADE
EXIST.	EXISTING
FERT.	FERTILIZE
F.E.	FIELD ENTRANCE
FIN.	FINISHED
FT.	FOOT
F.L.	FLOW LINE
GA.	GAUGE
HORIZ.	HORIZONTAL
CWT.	HUNDREDWEIGHT
INL.	INLET
LT.	LEFT
L.H.F.	LEFT-HAND FORWARD
LIN.	LINEAR
LIN. FT.	LINEAR FOOT
L.S.	LUMP SUM
MAX.	MAXIMUM
MI.	MILE
MISC.	MISCELLANEOUS
N.E.	NORTH EAST
N.W.	NORTH WEST
PAVT	PAVEMENT
P.C.	POINT OF CURVATURE
P.I.	POINT OF INTERSECTION
P.T.	POINT OF TANGENCY
P.O.T.	POINT ON TANGENT
LB.	POUND
P.E.	PRIVATE ENTRANCE
PROJ.	PROJECT
R.	RANGE
R.C.C.P.	REINFORCED CONCRETE CULVERT PIPE
R.C.H.E.C.P.	REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CULVERT PIPE
R.C.P.S.S.	REINFORCED CONCRETE PIPE STORM SEWER
REQ'D	REQUIRED
RT.	RIGHT
R.H.F.	RIGHT-HAND FORWARD
R/W	RIGHT OF WAY
RD.	ROAD
SHR.	SHRINKAGE
SL.	SLOPE
STD.	STANDARD
S.D.O.	STANDARD DETAIL DRAWINGS
S.T.H.	STATE TRUNK HIGHWAY
STA.	STATION
S.P.P.A.	STRUCTURAL PLATE PIPE ARCH
STRUCT.	STRUCTURE
SURF.	SURFACE
TEL.	TELEPHONE
TN.	TOWN
T.	TRUCKS (PERCENT OF)
UNCL.	UNCLASSIFIED
U.G.	UNDERGROUND
V.	VELOCITY OR DESIGN SPEED
V.C.	VERTICAL CURVE



* BORING #7 HAS 3.5" ASPHALT OVER 3.5" GRAVEL
OVER 3.5" ASPHALT OVER BASE MATERIAL

8A5-16b	INLET COVERS TYPE B, B-A, C, MS, MS-A & WM
8A5-16c	INLET COVERS TYPE F, HM, HM-S, S, V, HM-GJ & HM-GJ-S
8C1-5	INLETS TYPE 1, 2, 3 & 4
8C5-2	INLETS TYPE 8, 9, 10 & 11
8D1-13	CONCRETE CURB, CONCRETE CURB & GUTTER AND PAVEMENT TIES
8D4-3	CONCRETE SURFACE DRAIN & ASPHALTIC FLUME
8E8-3	TYPICAL INSTALLATIONS OF EROSION BALES/TEMPORARY DITCH CHECKS
8E9-5	SILT FENCE
8E10-1	INLET PROTECTION TYPE A, B AND C
8E11-2	TURBIDITY BARRIER
8F1-11	APRON ENDWALLS FOR CULVERT PIPE
8F4-5	JOINT TIES FOR CONCRETE PIPE
9A1-11a	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND "D" AND TEE INTERSECTION BYPASS LANE
14A2-1	TREE PLANTING DETAIL
14B15-4a&b	STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS
14B18-4a	STEEL PLATE BEAM GUARD, CLASS "A" (AT BRIDGES, OBSTACLES, AND SIDEROADS/DRIVEWAYS
14B24-3a,b&c	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
15A3-1	MARKER POST, FLEXIBLE, FOR CULVERT END
15C2-3	BARRICADES AND SIGNS FOR ROAD CLOSURES
15C8-9a	PAVEMENT MARKING (MAINLINE)
15C8-9B	PAVEMENT MARKING (INTERSECTIONS)

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

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

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS SHALL BE FERTILIZED, SEEDED AND MULCHED.

5" ASPHALTIC CONCRETE PAVEMENT SHALL BE PLACED IN THREE LAYERS AS FOLLOWS: LOWER TWO LAYERS TOTAL=3 $\frac{1}{4}$ ", UPPER LAYER=1 $\frac{3}{4}$ ". (CONSTRUCTION ACTIVITIES MAY DICTATE VARIANCE FROM THESE SUGGESTED DEPTHS.)

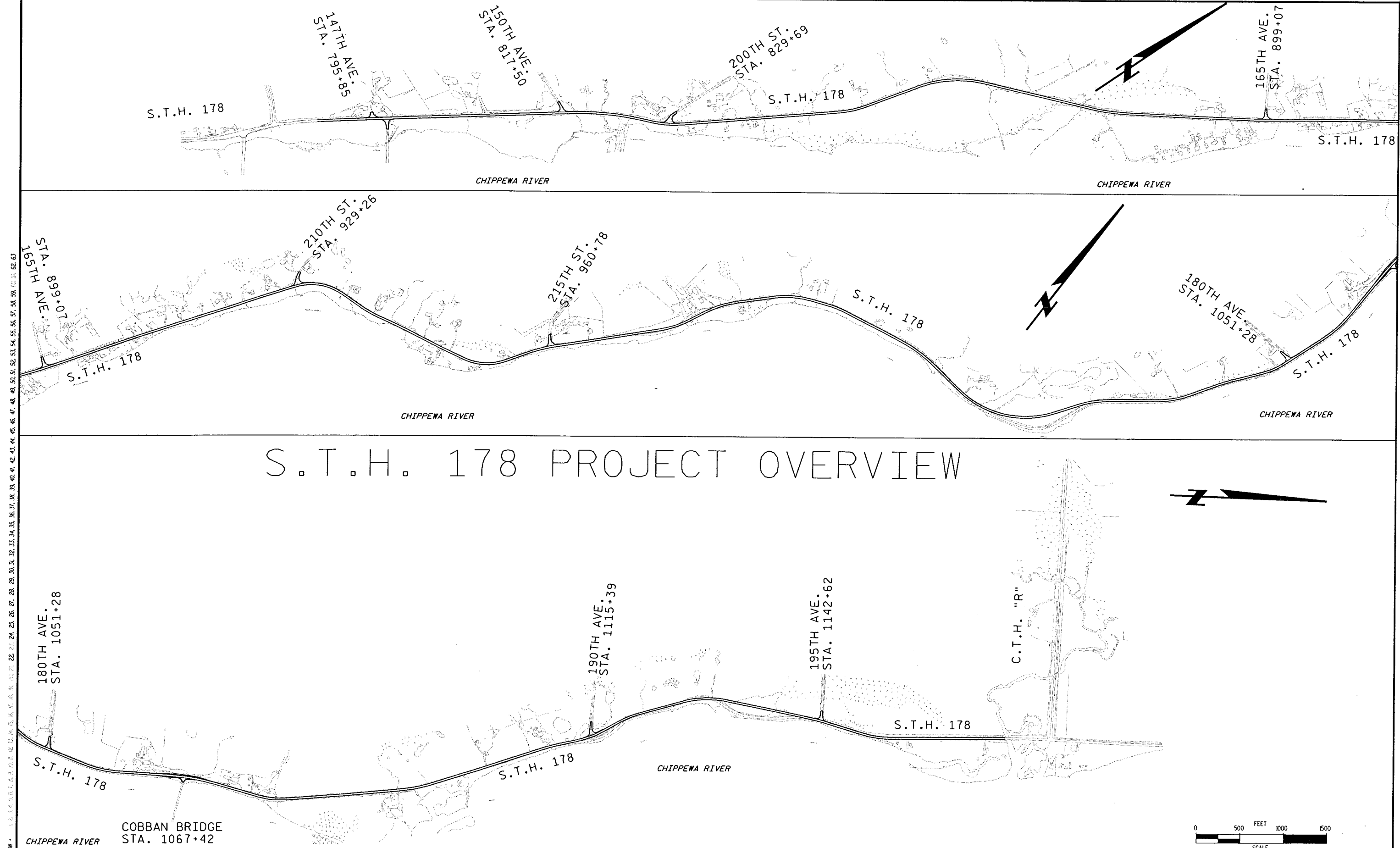
3 $\frac{1}{2}$ " ASPHALTIC CONCRETE PAVEMENT SHALL BE PLACED IN TWO LAYERS AS FOLLOWS: LOWER LAYER=1 $\frac{3}{4}$ ", UPPER LAYER=1 $\frac{3}{4}$ ".

NO OVERHAUL HAS BEEN COMPUTED AND NO OVERHAUL SHALL BE PAID.

ALL CULVERT ELEVATIONS WILL BE VERIFIED BY THE ENGINEER IN THE FIELD.

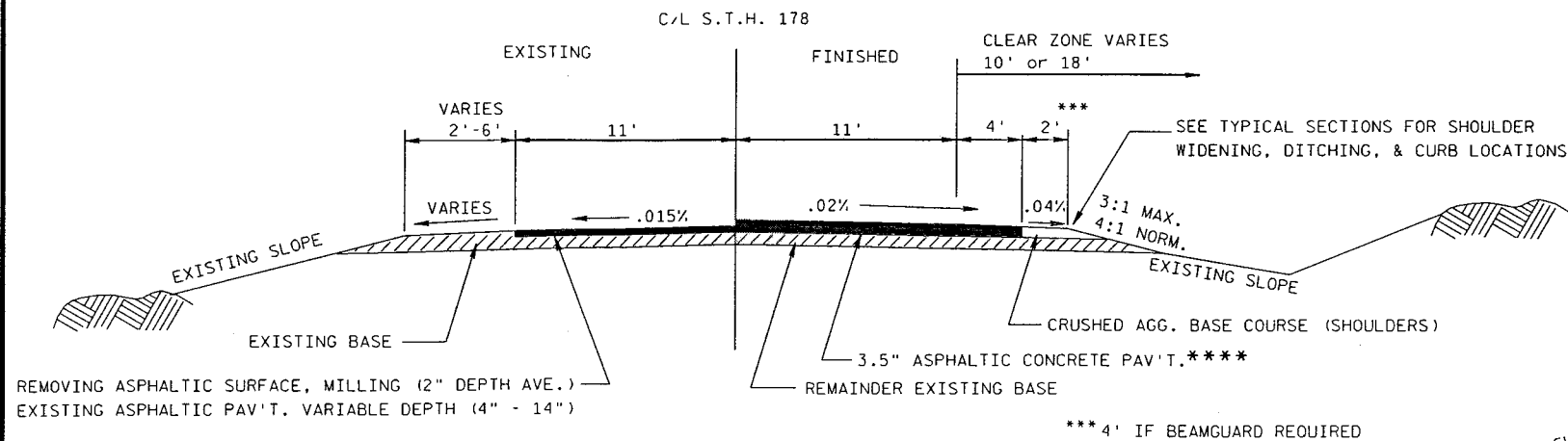
EXCAVATION BELOW SUBGRADE (EBS) IS NOT USED TO BALANCE YARDAGE AND IS NOT SHOWN ON THE CROSS SECTIONS. IT WILL BE MEASURED AND PAID FOR AS COMMON EXCAVATION. THE LOCATIONS FOR EBS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

PERMANENT PAVEMENT MARKING ON STH 178 SHALL BE PLACED SUCH THAT THE TRAFFIC LANES ARE 11' WIDE.



S.T.H. 178 PROJECT OVERVIEW

**** TYPE E-1, LOWER LAYER(S)
TYPE E-3, UPPER LAYER (9.5 mm MIX REQ'D.)

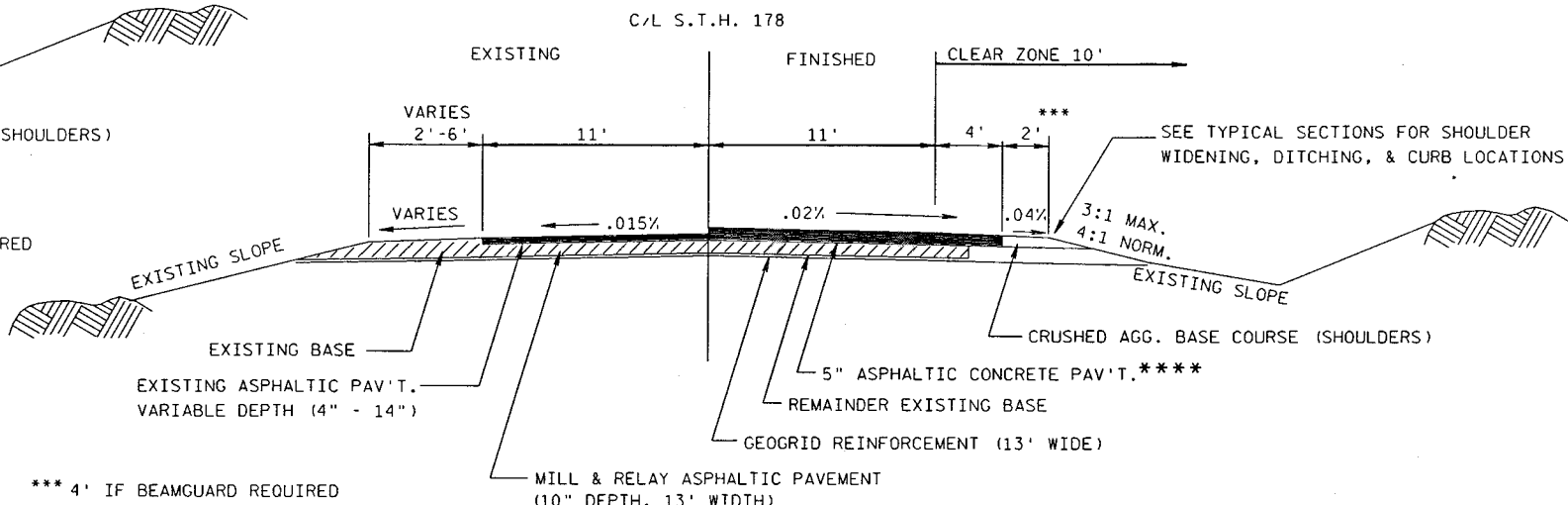


TYPICAL SECTION FOR RESURFACING (NOT TO SCALE)

S.T.H. 178

STA. 794+00 - 823+00* STA. 961+00 - 969+00*
STA. 831+50 - 859+00* STA. 997+50 - 1000+00**
STA. 880+50 - 899+00* STA. 1005+00 - 1008+50**
STA. 904+00 - 906+50** STA. 1074+00 - 1079+00*
STA. 910+50 - 922+00* STA. 1095+00 - 1110+00*
STA. 946+00 - 961+00** STA. 1161+75 - 1163+00*

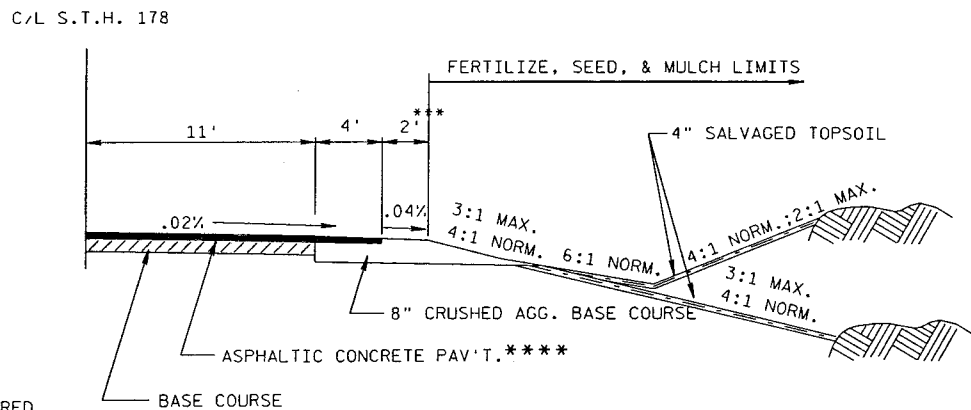
* 10' CLEAR ZONE
** 18' CLEAR ZONE



TYPICAL SECTION FOR RESURFACE/MILL & RELAY - GRID FULL WIDTH (NOT TO SCALE)

S.T.H. 178

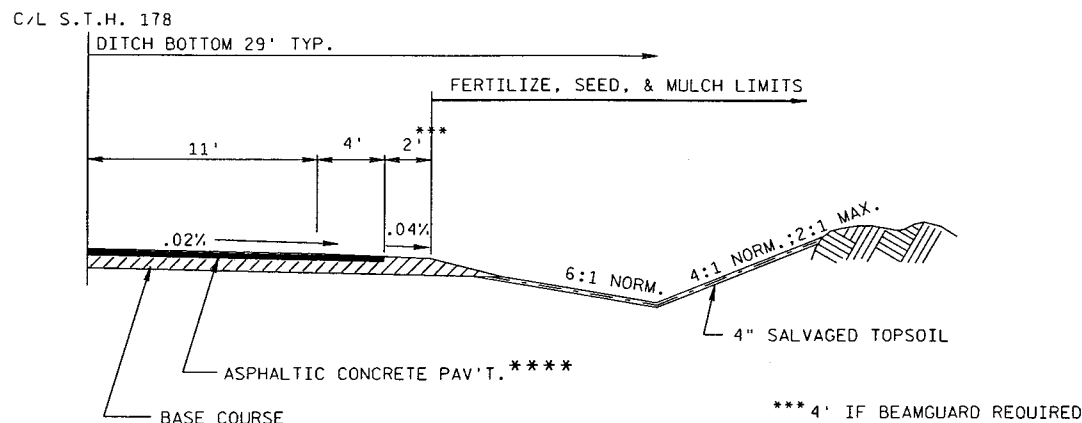
STA. 868+00 - 880+50
STA. 1079+00 - 1084+00
STA. 1088+00 - 1095+00
STA. 1150+00 - 1161+75



TYPICAL SECTION FOR SHOULDER WIDENING (NOT TO SCALE)

S.T.H. 178

STA. 794+00 - 797+00 RT.	STA. 997+50 - 999+00 RT.	STA. 889+00 - 891+00 LT.
STA. 799+00 - 803+00 RT.	STA. 1005+00 - 1006+00 RT.	STA. 912+00 - 913+00 LT.
STA. 805+00 - 807+00 RT.	STA. 1008+00 - 1008+50 RT.	STA. 946+00 - 951+00 LT.
STA. 809+00 - 823+00 RT.	STA. 1076+00 - 1084+00 RT.	STA. 957+00 - 964+00 LT.
STA. 831+50 - 859+00 RT.	STA. 1090+00 - 1099+00 RT.	STA. 998+00 - 1000+00 LT.
STA. 868+00 - 893+00 RT.	STA. 1102+00 - 1110+00 RT.	STA. 1005+00 - 1008+50 LT.
STA. 910+50 - 913+00 RT.	STA. 1150+00 - 1163+00 RT.	STA. 1150+00 - 1163+00 LT.
STA. 920+00 - 922+00 RT.	STA. 810+00 - 823+00 LT.	
STA. 946+00 - 959+00 RT.	STA. 831+50 - 859+00 LT.	
STA. 962+00 - 969+00 RT.	STA. 868+00 - 873+00 LT.	

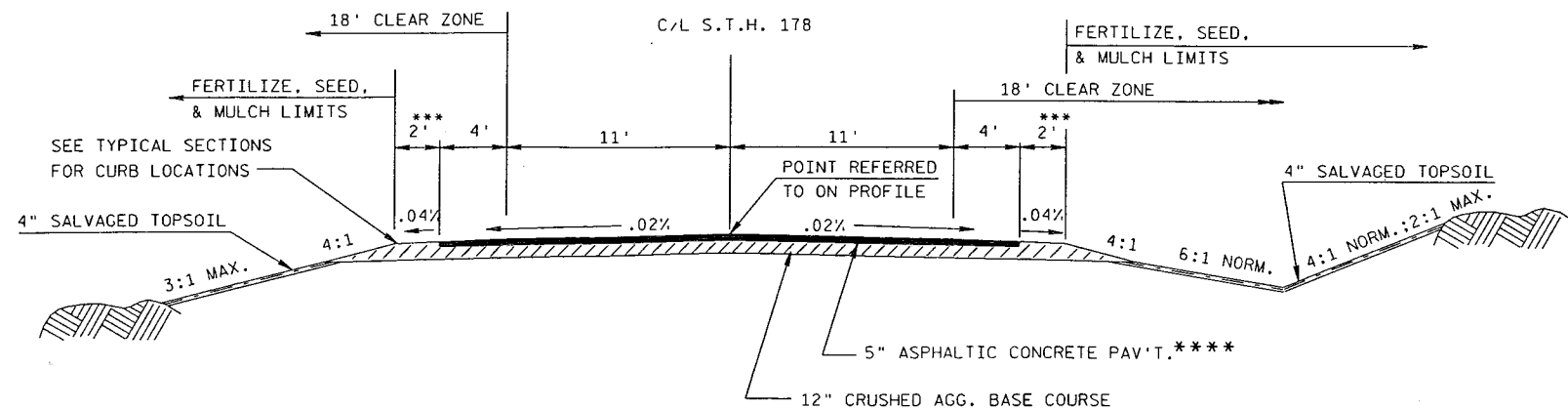


TYPICAL SECTION FOR DITCHING (NOT TO SCALE)

S.T.H. 178

STA. 904+00 - 906+50 LT.	STA. 964+00 - 969+00 LT.
STA. 910+50 - 912+00 LT.	STA. 1074+00 - 1084+00 LT.
STA. 913+00 - 914+00 LT.	STA. 1088+00 - 1108+00 LT.
STA. 951+00 - 957+00 LT.	

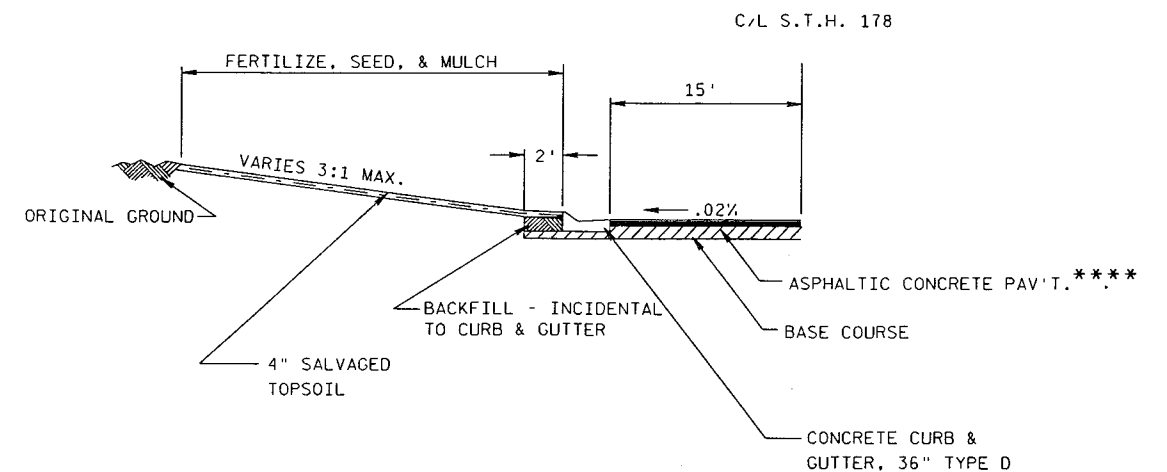
LEVELS ON - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63



TYPICAL SECTION FOR PROFILE ADJUSTMENT (NOT TO SCALE)

S.T.H. 178

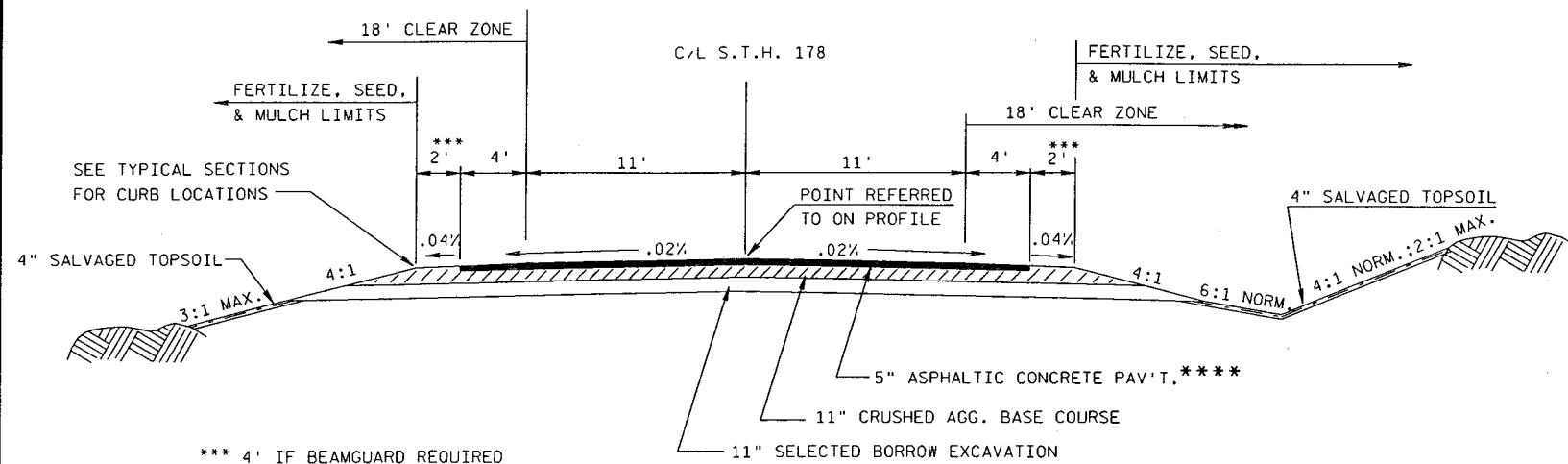
STA. 823+00 - 831+50	STA. 985+50 - 997+50
STA. 899+00 - 904+00	STA. 1000+00 - 1005+00
STA. 906+50 - 910+50	STA. 1063+00 - 1074+00
STA. 922+00 - 946+00	STA. 1084+00 - 1088+00



TYPICAL SECTION FOR CURB (NOT TO SCALE)

S.T.H. 178

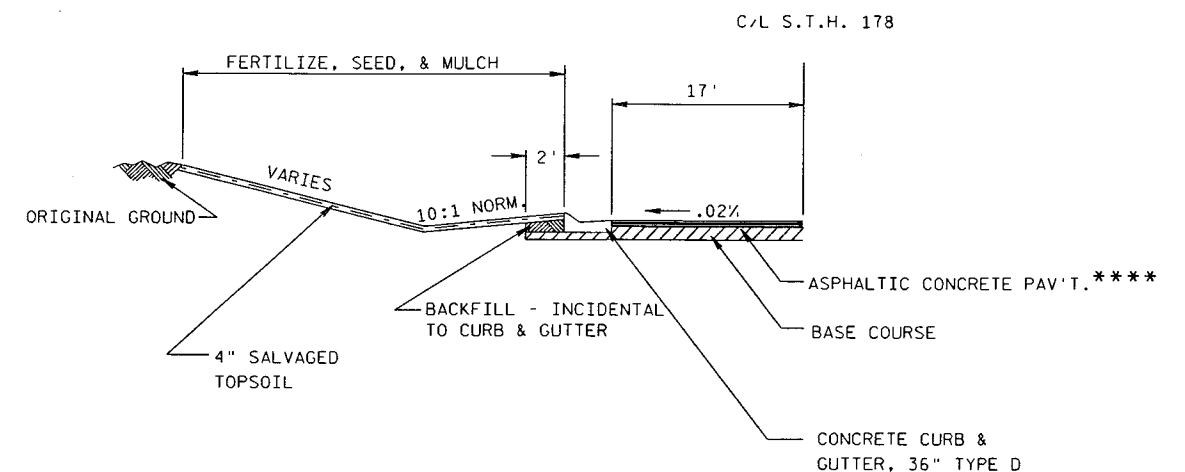
STA. 906+20 - 911+00, LEFT
STA. 913+50 - 927+20, LEFT
STA. 935+50 - 938+50, LEFT
STA. 1066+50 - 1074+50, LEFT
STA. 1107+50 - 1110+50, LEFT



TYPICAL SECTION FOR RECONSTRUCTION (NOT TO SCALE)

S.T.H. 178

STA. 859+00 - 868+00
STA. 969+00 - 985+50
STA. 1008+50 - 1031+50
STA. 1110+00 - 1142+00

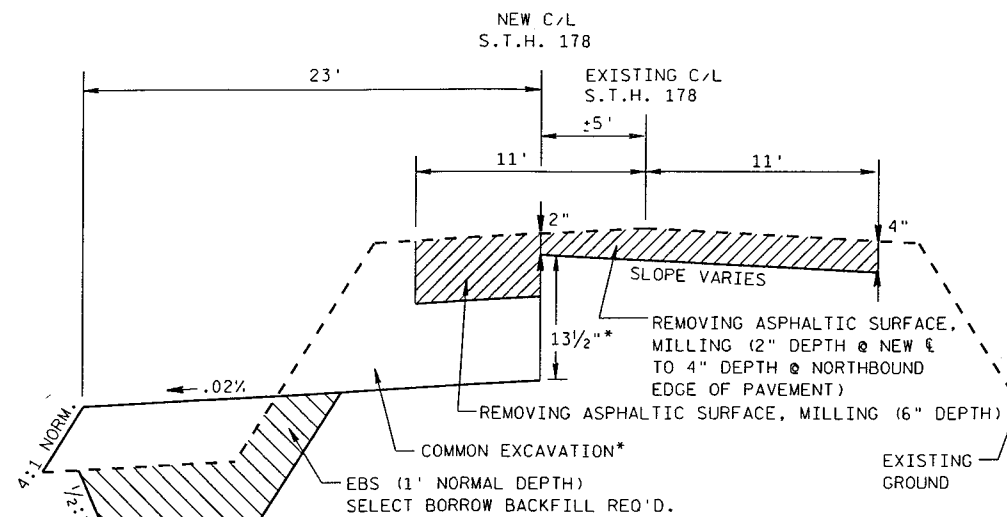


TYPICAL SECTION FOR CURB (NOT TO SCALE)

S.T.H. 178

STA. 969+60 - 982+00, LEFT
STA. 994+20 - 997+50, LEFT
STA. 1123+00 - 1127+30, LEFT

**** TYPE E-1, LOWER LAYER (S)
TYPE E-3, UPPER LAYER (9.5 mm MIX REQ'D.)

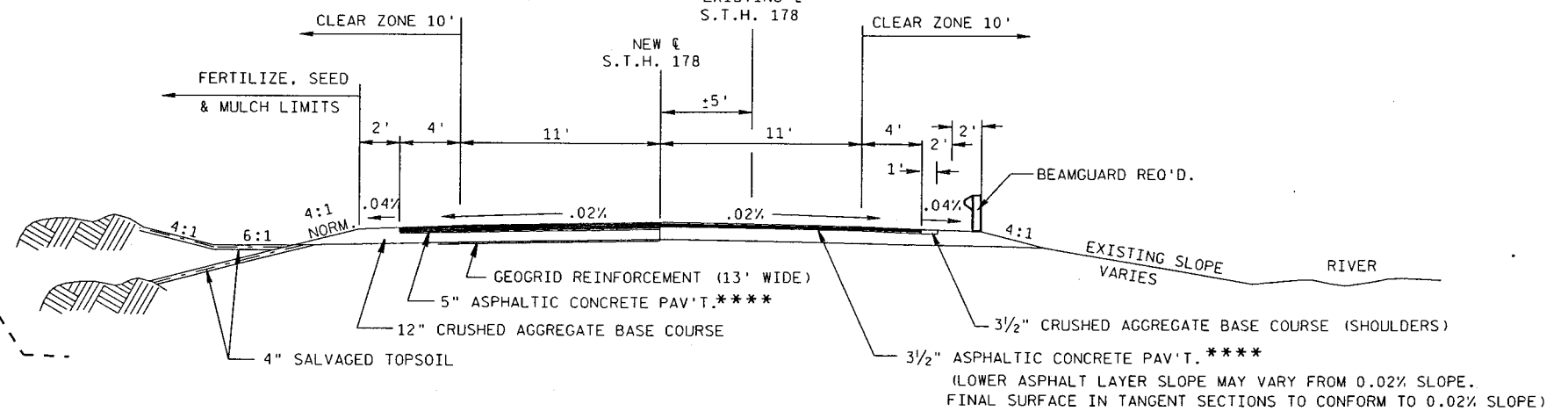


* EXCAVATE TO A DEPTH OF 15 1/2" FROM EXISTING GROUND @ NEW C

**TYPICAL GRADING/MILLING SECTION
FOR ALIGNMENT SHIFT - GRID 1/2 WIDTH**

S.T.H. 178

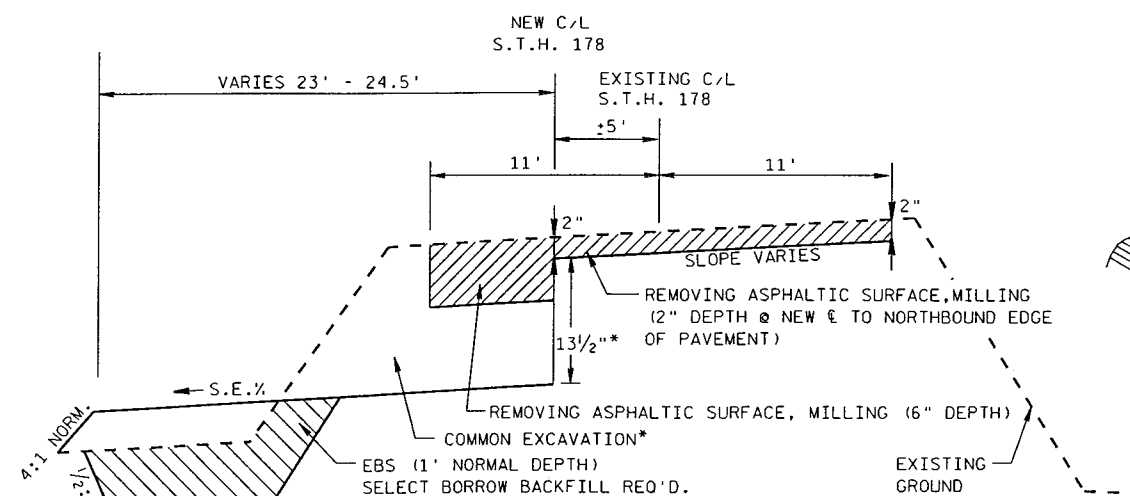
STA. 1031+50 - 1063+00



TYPICAL FINISHED SECTION FOR ALIGNMENT SHIFT - GRID 1/2 WIDTH

S.T.H. 178

STA. 1031+50 - 1063+00

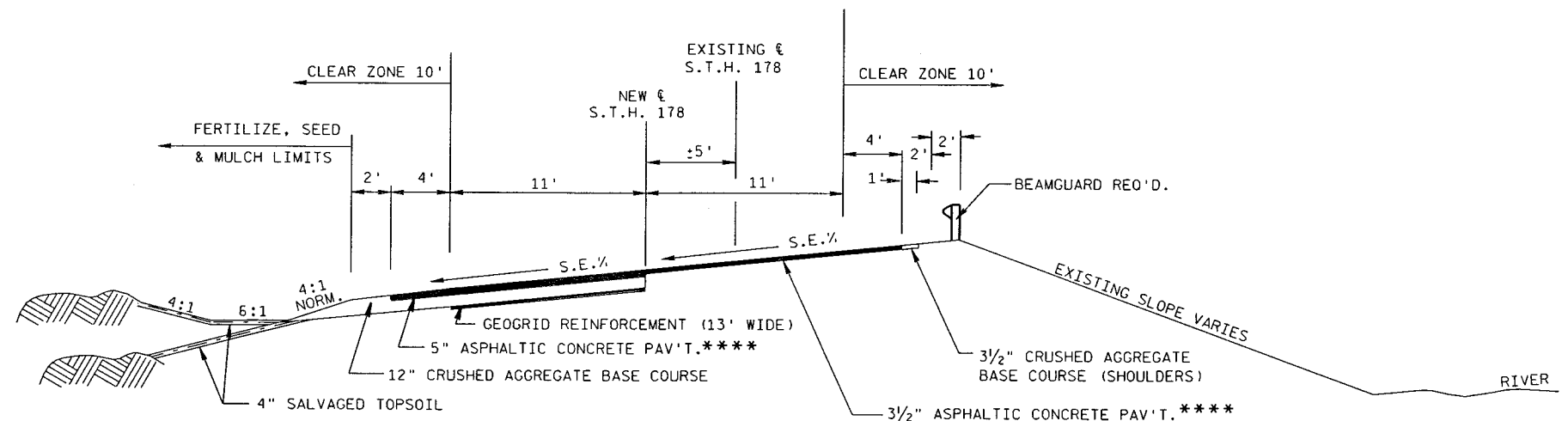


* EXCAVATE TO A DEPTH OF 15 1/2" FROM EXISTING GROUND @ NEW C

**TYPICAL SUPERELEVATED GRADING/MILLING SECTION
FOR ALIGNMENT SHIFT - GRID 1/2 WIDTH**

S.T.H. 178

STA. 1031+50 - 1063+00



**TYPICAL FINISHED SUPERELEVATED SECTION FOR
ALIGNMENT SHIFT - GRID 1/2 WIDTH**

S.T.H. 178

STA. 1031+50 - 1063+00

STATE PROJECT NUMBER: 8600-02-71

HWY: S.T.H. 178

COUNTY: CHIPPEWA

TYPICAL SECTIONS

SCALE, FEET 0

SHEET NO: 6

E

FILE NAME: I:\microstation\Projects\d6_86000201\020303-ts.dgn

PLOT DATE: 19-SEP-2002 15:07

ORG DATE: 4-24-02 leo

PLOT NAME: 020303-ts.i

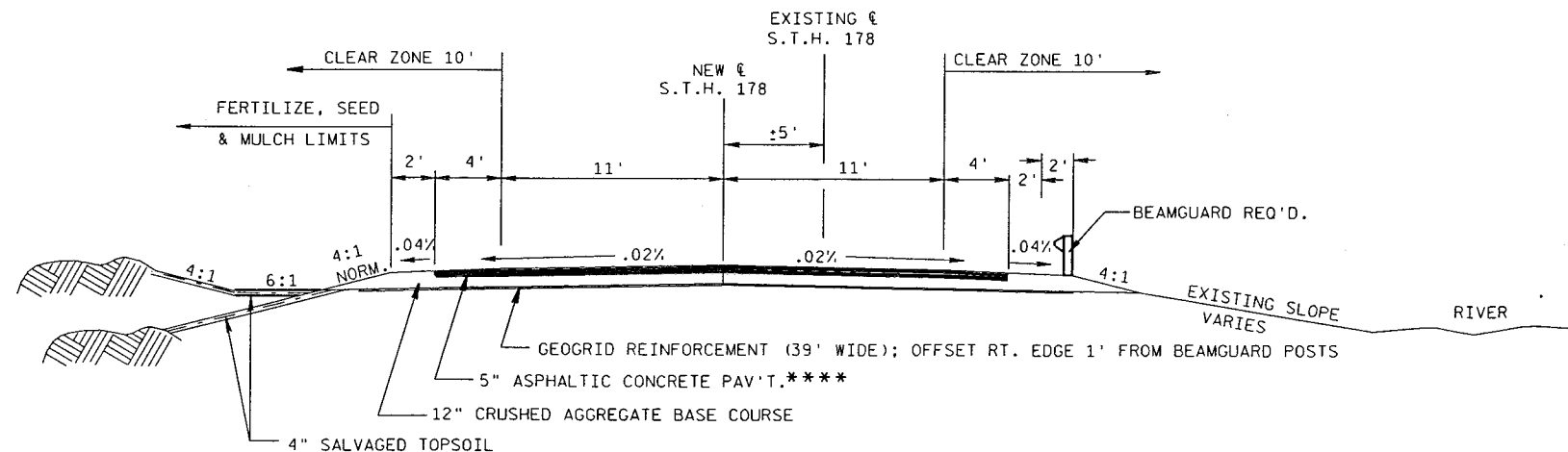
Originator: Dist. 6

PLOT SCALE: 9.977894:1.000000

WISDOT/CADDs SHEET 42

LEVELS ON: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

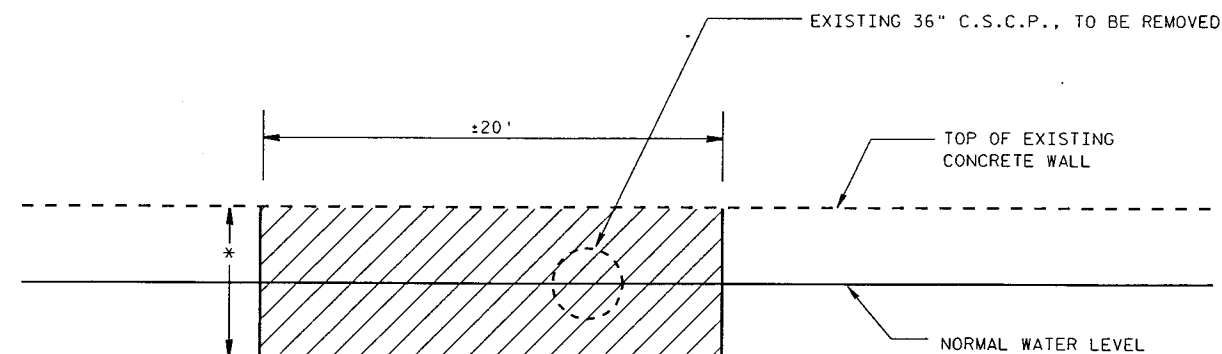
LEVELS ON • 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63



TYPICAL FINISHED SECTION FOR ALIGNMENT SHIFT - GRADE FULL WIDTH

S.T.H. 178

STA. 1142+00 - 1150+00



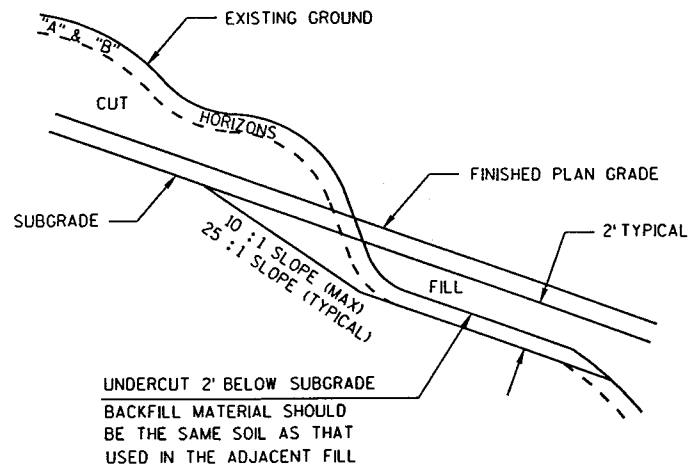
* REMOVE CONCRETE WALL TO DEPTH OF 2' BELOW BOTTOM OF PROPOSED CULVERTS

LIMITS FOR REMOVING MASONRY

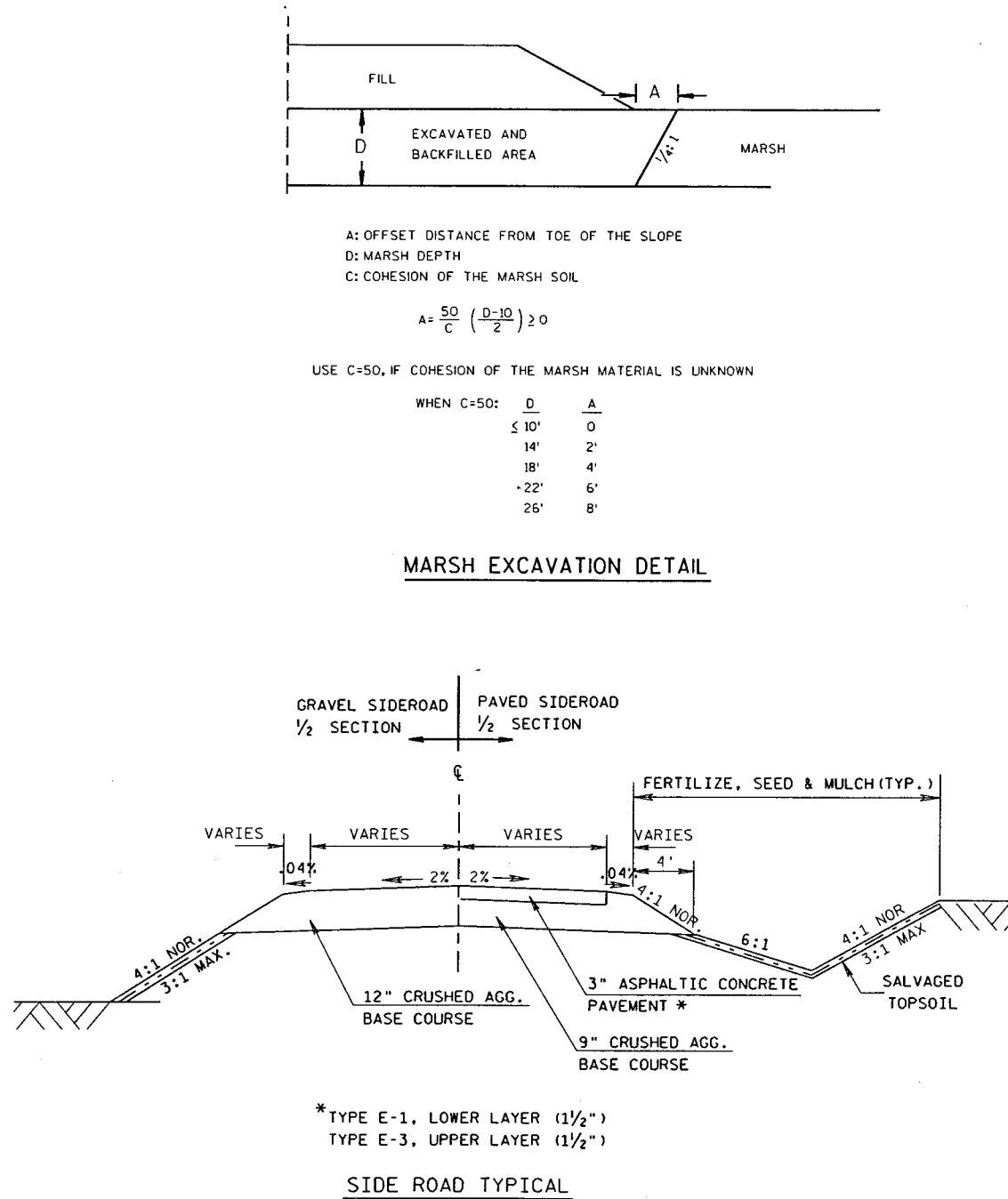
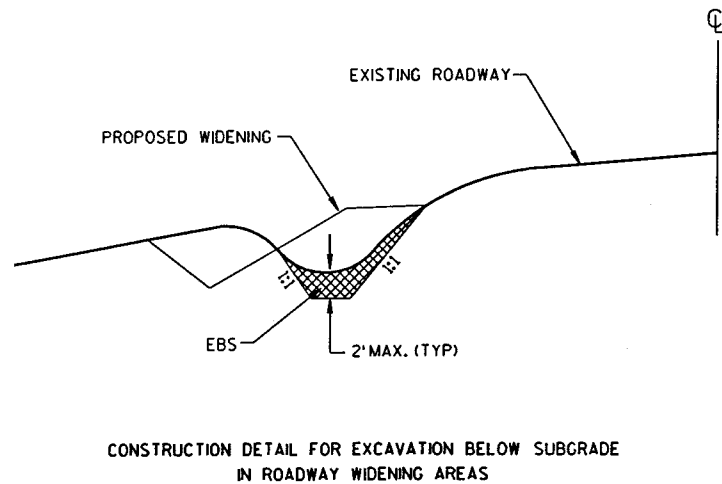
DETAIL FOR REMOVING MASONRY

STA. 942±62, RT.

LEVELS ON - 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

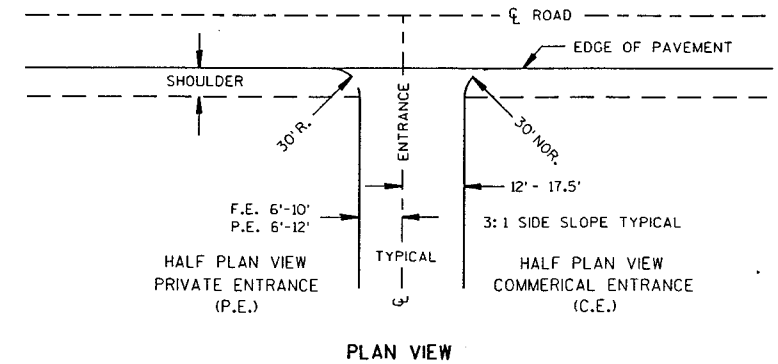


SUBGRADE UNDERCUTTING AT CUT-TO-FILL TRANSITION

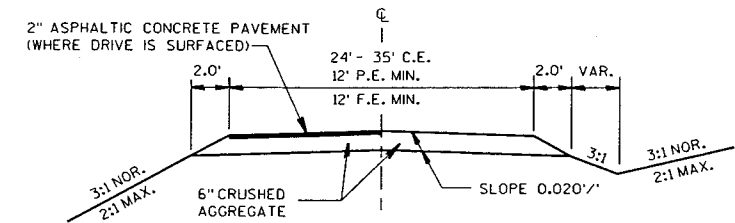


MARSH EXCAVATION DETAIL

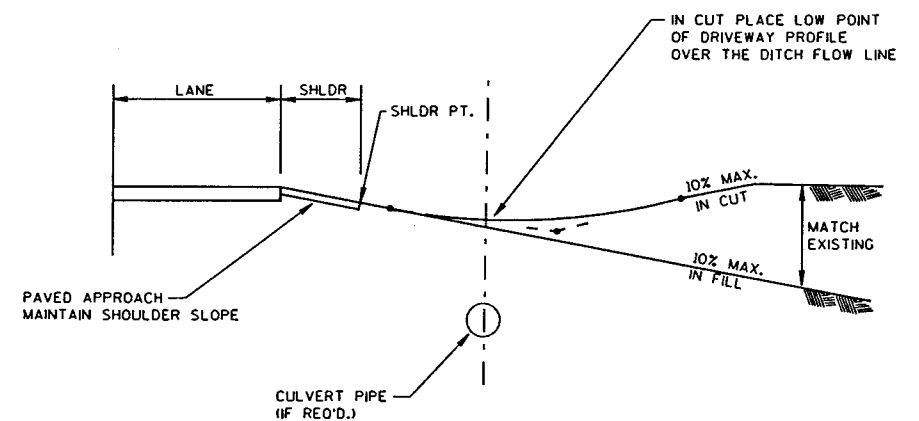
SIDE ROAD TYPICAL



RURAL DRIVEWAY DETAIL

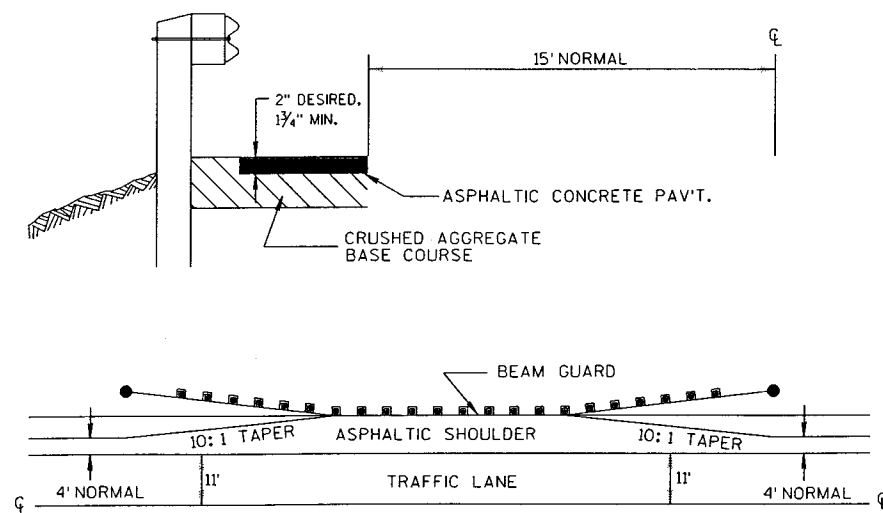


TYPICAL SECTION FOR PRIVATE ENTRANCES

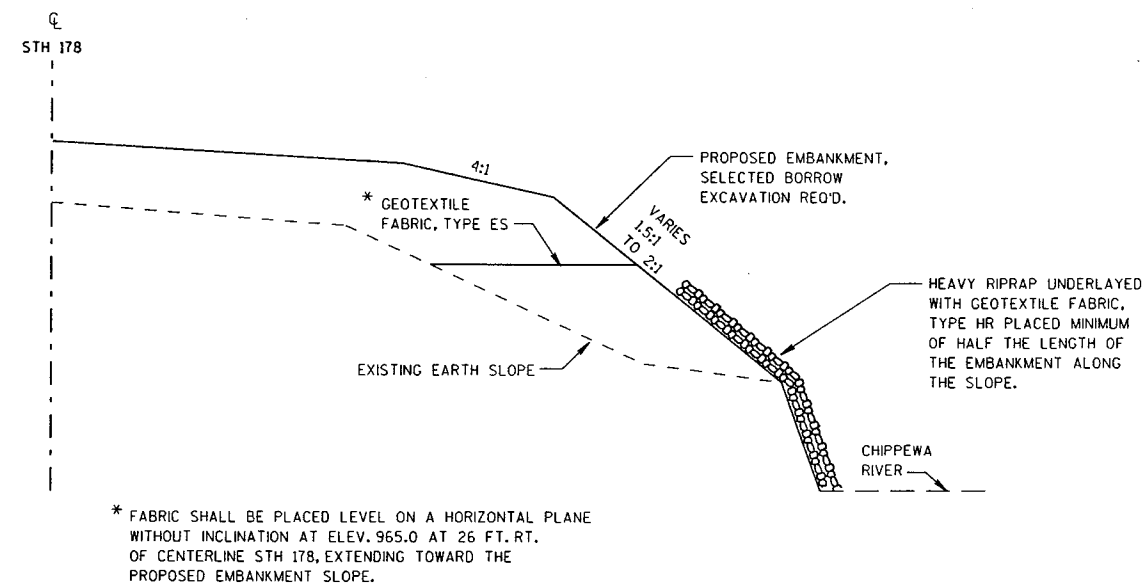


TYPICAL DRIVEWAY PROFILES

LEVELS ON - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

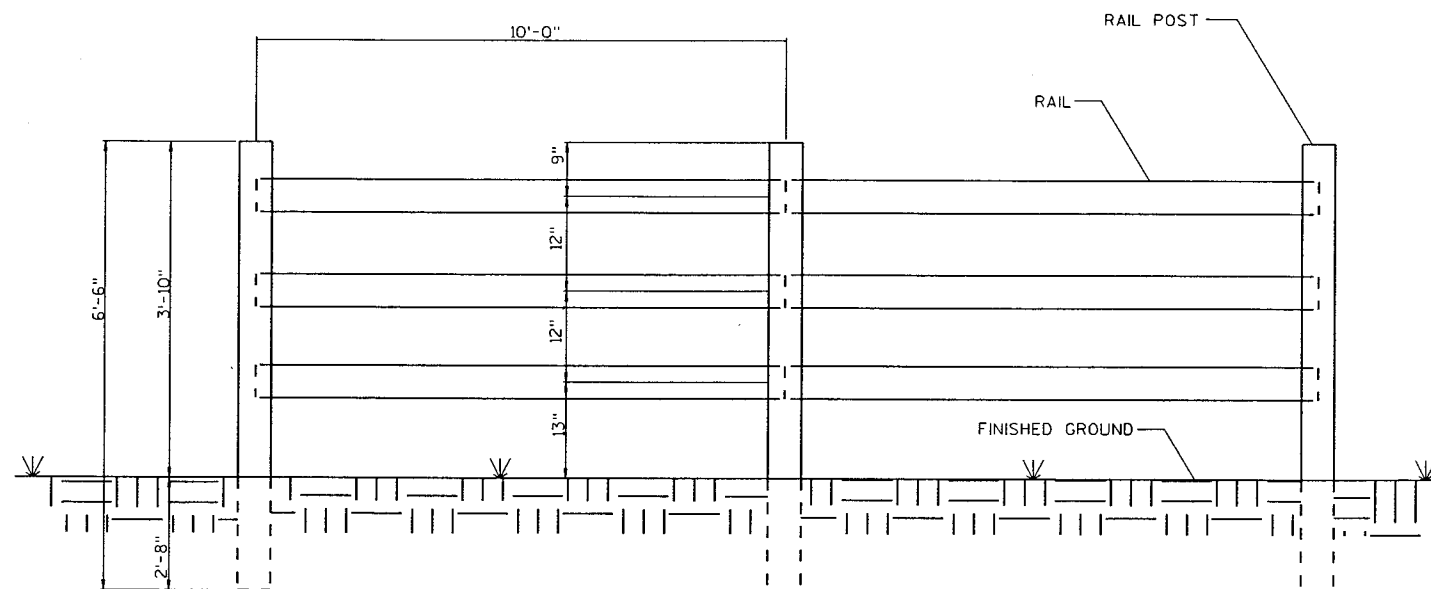


DETAIL FOR ASPHALTIC SHOULDER AT GUARDRAIL



EMBANKMENT CONSTRUCTION DETAIL

STA. 976+25 - 978+00 RT.



SPLIT RAIL FENCE DETAIL

STA. 923+62 - 924+92 LT.
STA. 925+12 - 926+42 LT.

STATE PROJECT NUMBER: 8600-02-71

HWY: S.T.H. 178

COUNTY: CHIPPEWA

SPECIAL DETAILS

SCALE, FEET ⁰

SHEET NO: 9

E

FILE NAME : L:\microstation\Projects\d6_86000201\021003_cd.dgn

PLOT DATE : 19-SEP-2002 13:36

ORG DATE : 7-8-02 leo

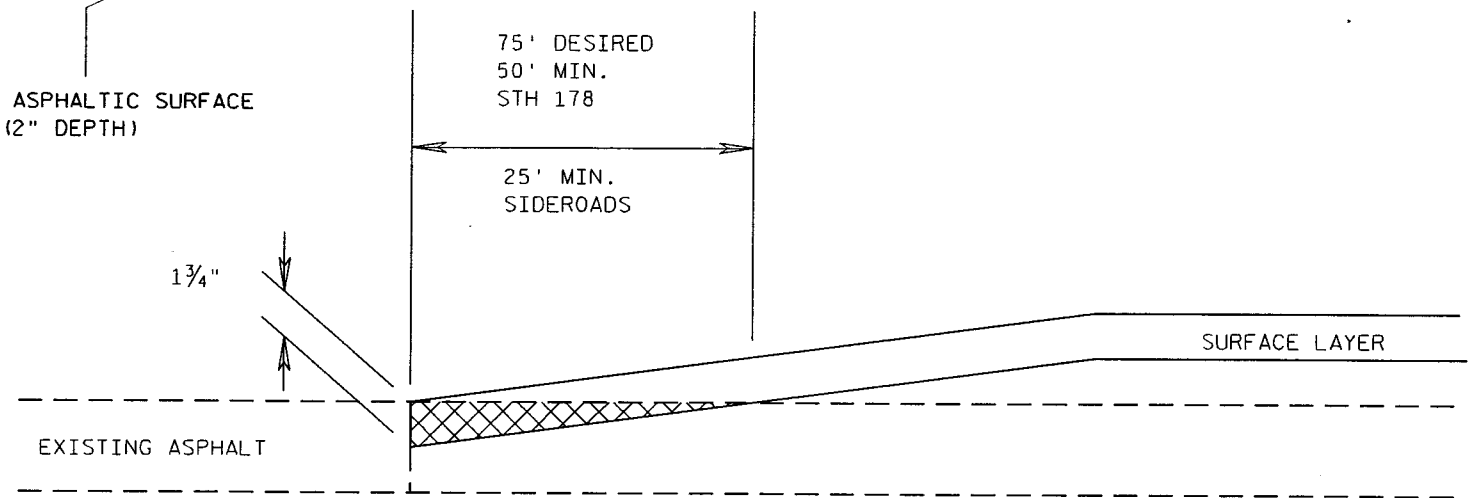
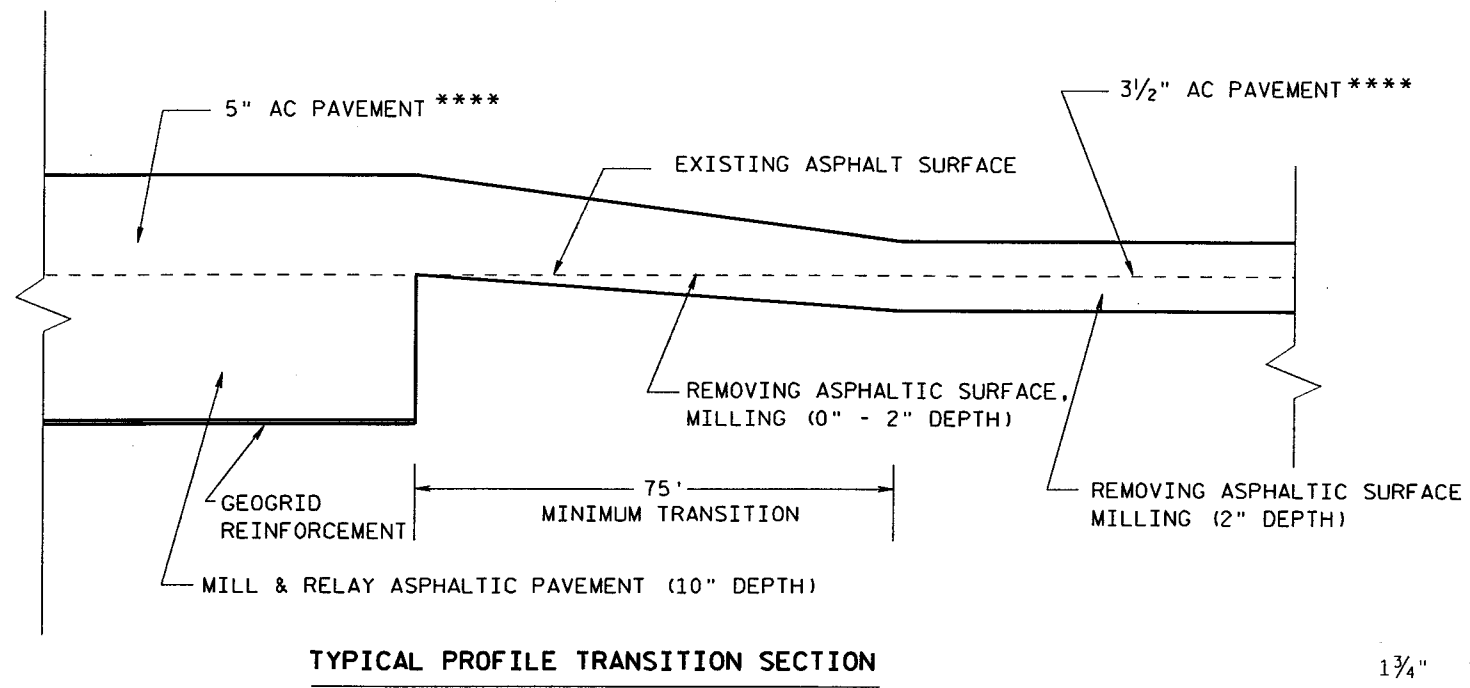
PLOT NAME : 021003CD.I

Originator : Dist. 6

PLOT SCALE : 2.000000:1.000000

WISDOT/CADDs SHEET 42

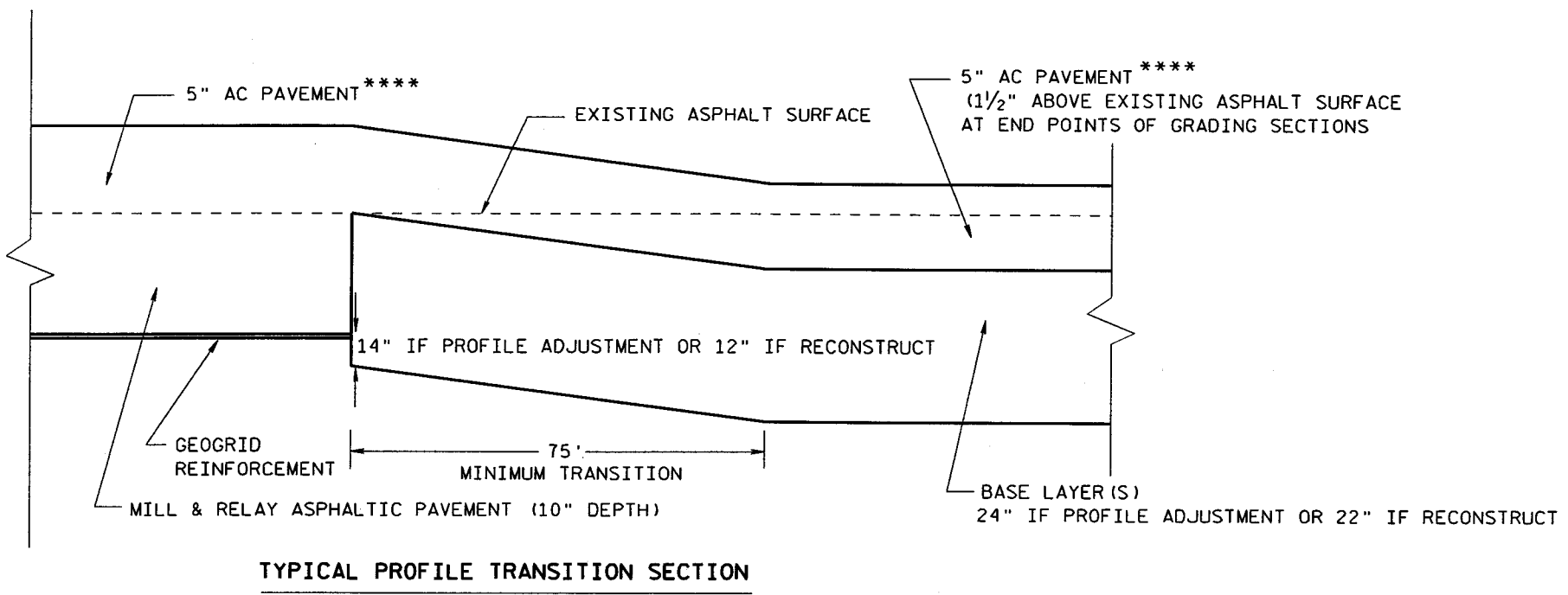
LEVELS ON - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63



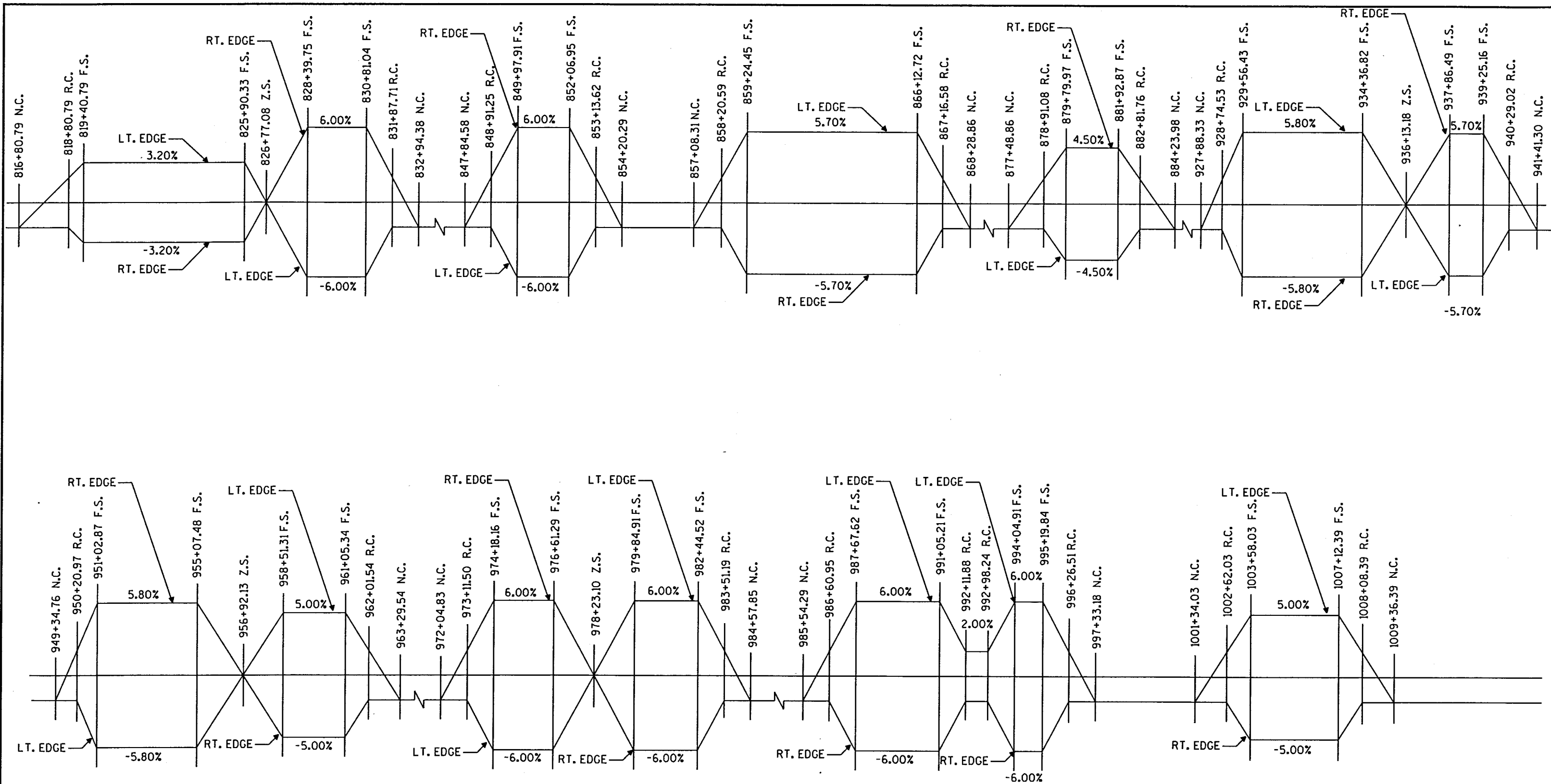
PAID FOR AS REMOVING ASPHALTIC SURFACE BUTT JOINTS

NOTE: ANY SAWCUT USED IN THIS OPERATION CONSIDERED INCIDENTAL TO THIS ITEM

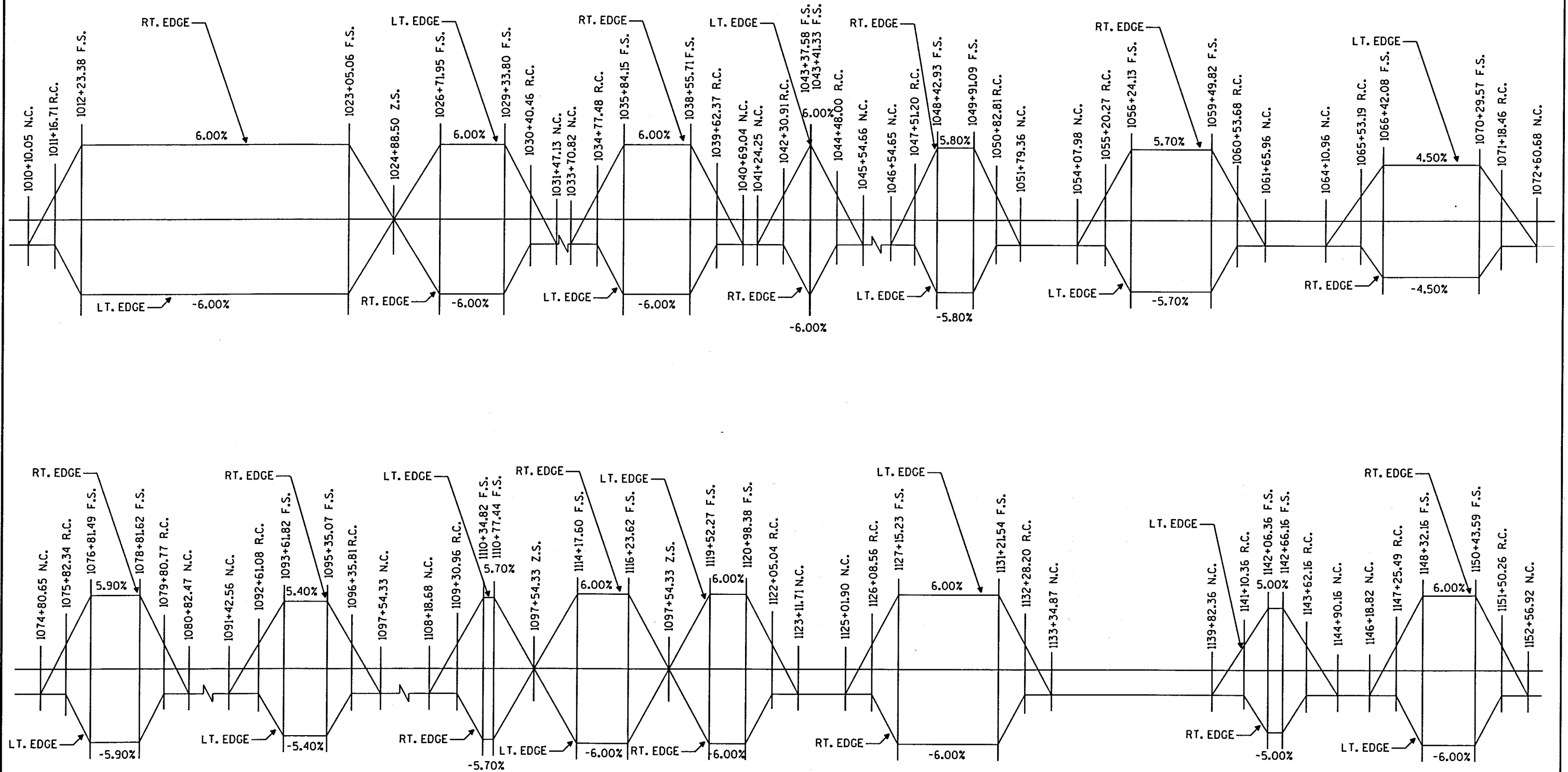
REQUIRED AT BEGIN AND END PAVING LOCATIONS



LEVELS ON - 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63



NOTE: N.C. = NORMAL CROWN (-2.00%)
R.C. = REVERSE CROWN (2.00%)
F.S. = FULL SUPERELEVATION
Z.S. = ZERO SUPERELEVATION (0.00%)



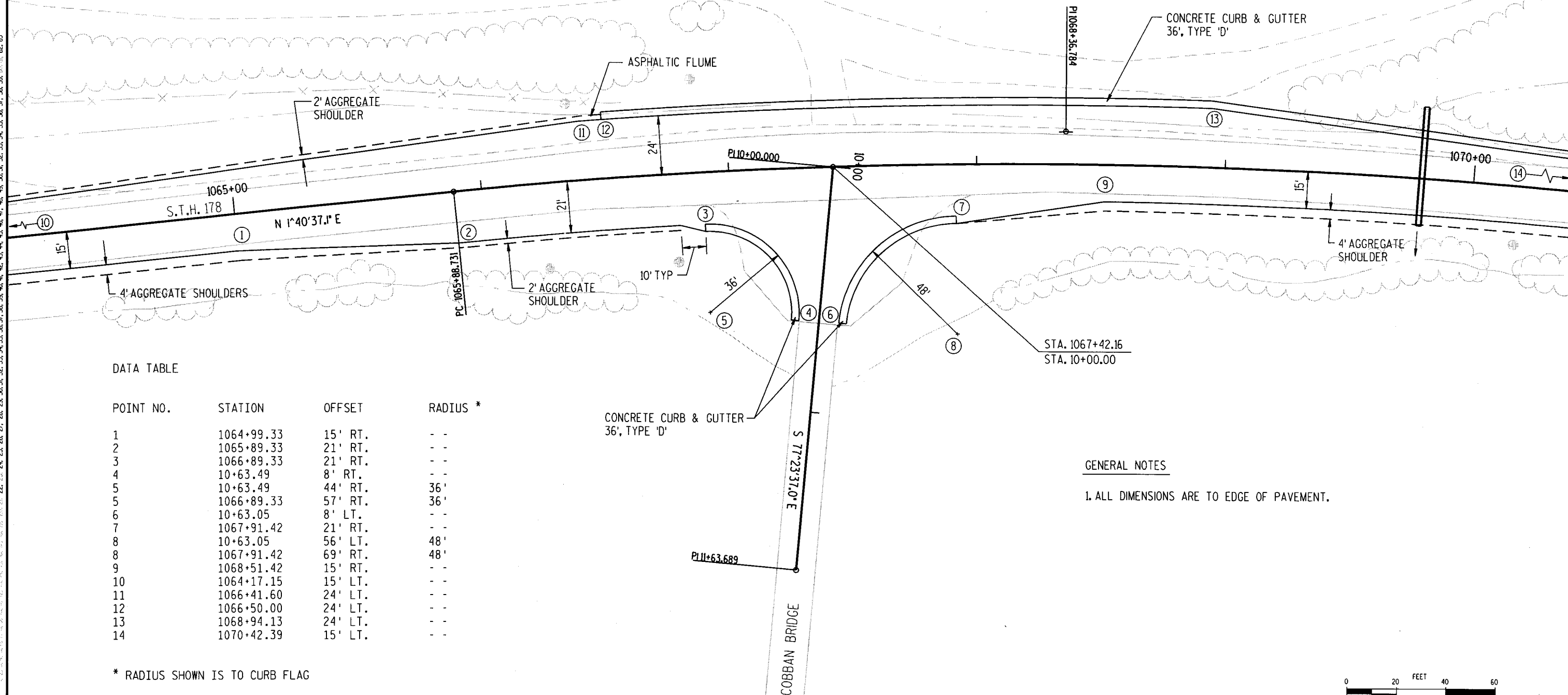
NOTE: N.C. = NORMAL CROWN (-2.00%)
R.C. = REVERSE CROWN (2.00%)
F.S. = FULL SUPERELEVATION
Z.S. = ZERO SUPERELEVATION (0.00%)

Curve Data

Δ = 12°21'16.4" (RT)
 D = 2°30'00.0"
 T = 248.053
 L = 494.183
 R = 2291.831
 PISTA = 1068+36.784
 PIX = 1656390.657
 PIY = 466849.019



LEVELS ON: 1. 1064+99.33 2. 1065+89.33 3. 1066+89.33 4. 10+63.49 5. 10+63.49 6. 1066+89.33 7. 10+63.05 8. 1067+91.42 9. 1067+91.42 10. 1064+17.15 11. 1066+41.60 12. 1066+50.00 13. 1068+94.13 14. 1070+42.39



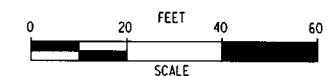
DATA TABLE

POINT NO.	STATION	OFFSET	RADIUS *
1	1064+99.33	15' RT.	- -
2	1065+89.33	21' RT.	- -
3	1066+89.33	21' RT.	- -
4	10+63.49	8' RT.	- -
5	10+63.49	44' RT.	36'
5	1066+89.33	57' RT.	36'
6	10+63.05	8' LT.	- -
7	1067+91.42	21' RT.	- -
8	10+63.05	56' LT.	48'
8	1067+91.42	69' RT.	48'
9	1068+51.42	15' RT.	- -
10	1064+17.15	15' LT.	- -
11	1066+41.60	24' LT.	- -
12	1066+50.00	24' LT.	- -
13	1068+94.13	24' LT.	- -
14	1070+42.39	15' LT.	- -

* RADIUS SHOWN IS TO CURB FLAG

GENERAL NOTES

1. ALL DIMENSIONS ARE TO EDGE OF PAVEMENT.



STATE PROJECT NO: 8600-02-71

HWY: STH 178

COUNTY: CHIPPEWA

INTERSECTION DETAIL - COBBAN BRIDGE

SHEET NO: 13

E

FILE NAME: L:\microstation\Projects\d6_86000201\021101.id.dgn

PLOT DATE: 06-JUN-2002 09:04

ORG DATE:

PLOT NAME:

ORIGINATOR:

PLOT SCALE: 2.000000:1.000000

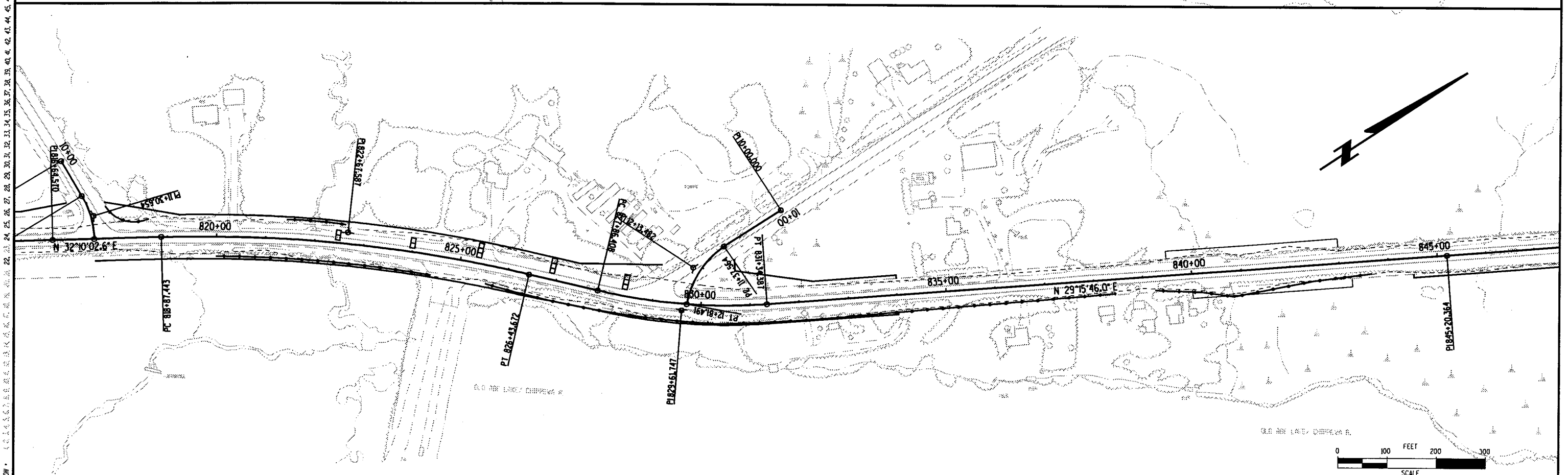
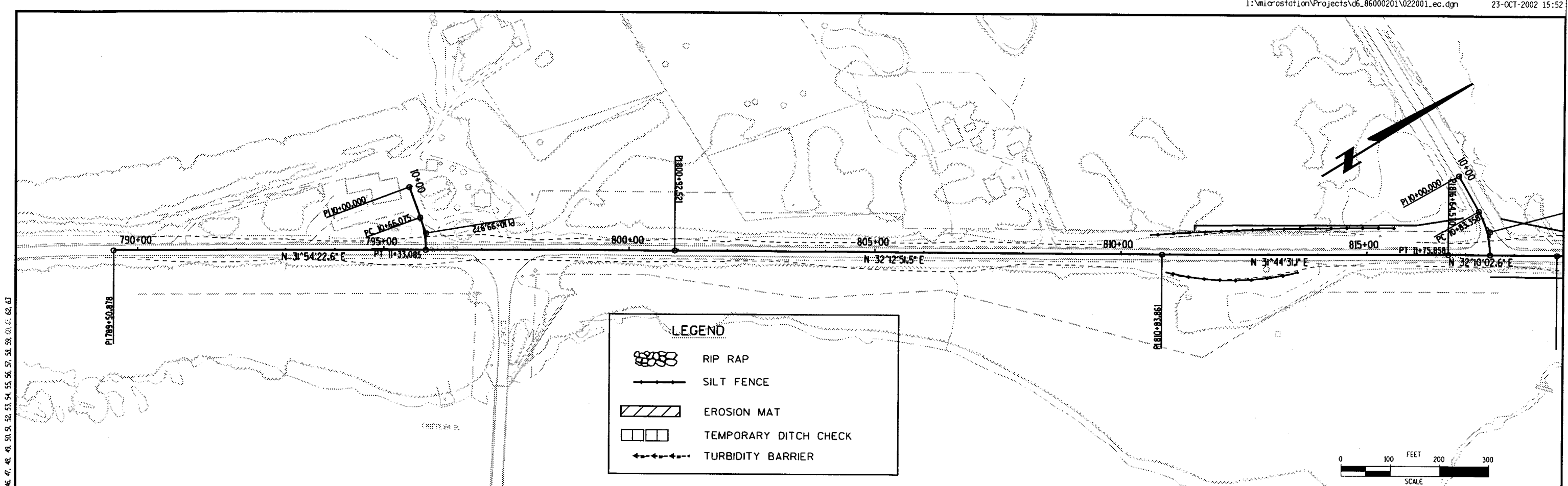
WS007/CADD5 SHEET 42

LEVELS ON - 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

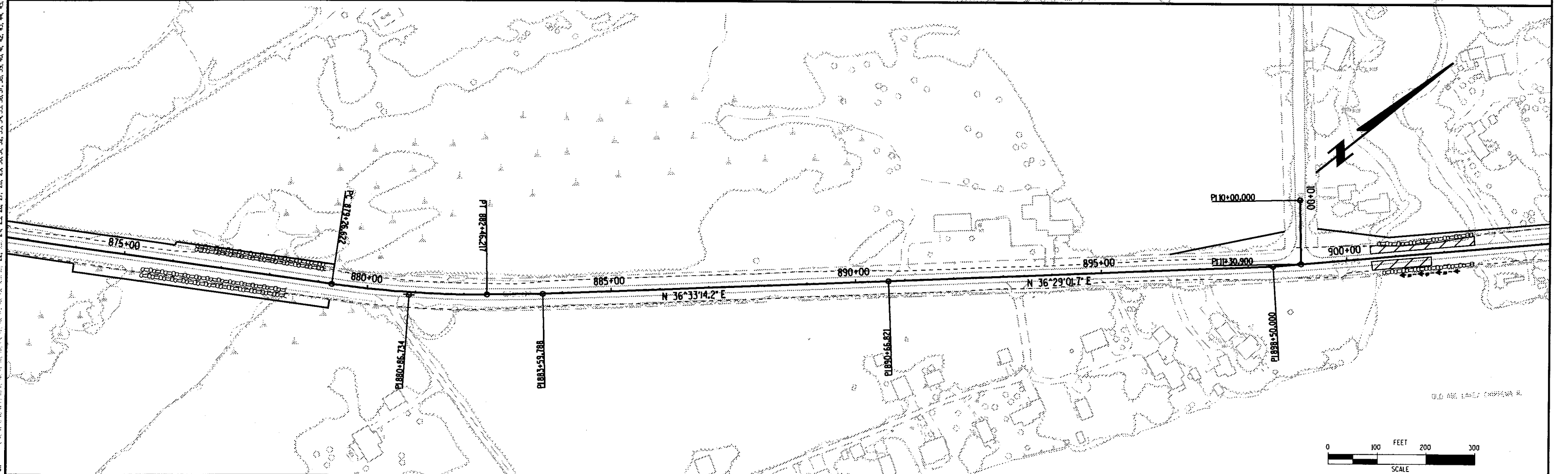
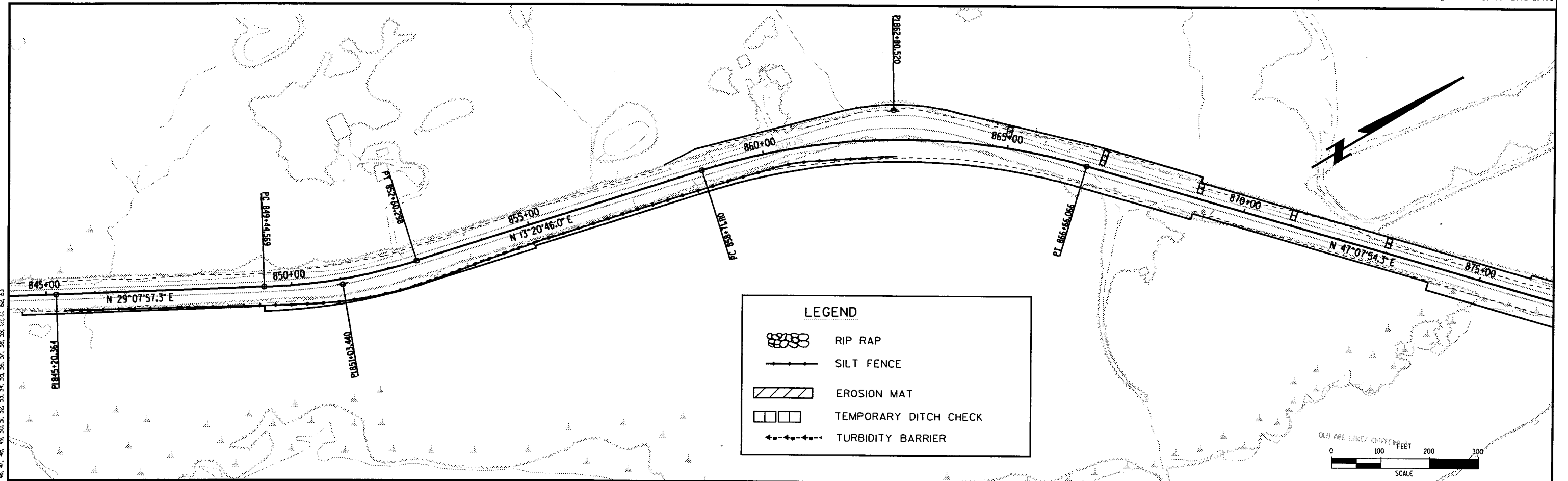
DRAINAGE TABLE

INLET NO.	STATION	LOCATION	INLET TYPE	COVER TYPE	TOP OF BOX	FLOWLINE	DISCHARGE ELEV.	DISCHARGE TO	DEPTH (FT.)	R.C.P.S.S.		% SLOPE
										18"	(L.F.)	
1	917+40	15' LT.	3	HM	970.16	970.49	967.00	DITCH	2.98	36		0.5
2	922+50	15' LT.	3	HM	986.01	986.34	982.00	DITCH	3.83	36		0.5
3	974+00	17' LT.	3	HM	974.29	974.62	970.00	DITCH	4.04	50		0.5
4	974+00	29' LT.	9	MS	974.48	974.48	970.25	INLET 3	4.18	10		0.5
5	1072+26	15' LT.	3	HM	962.77	963.10	959.00	DITCH	3.57	40		0.5

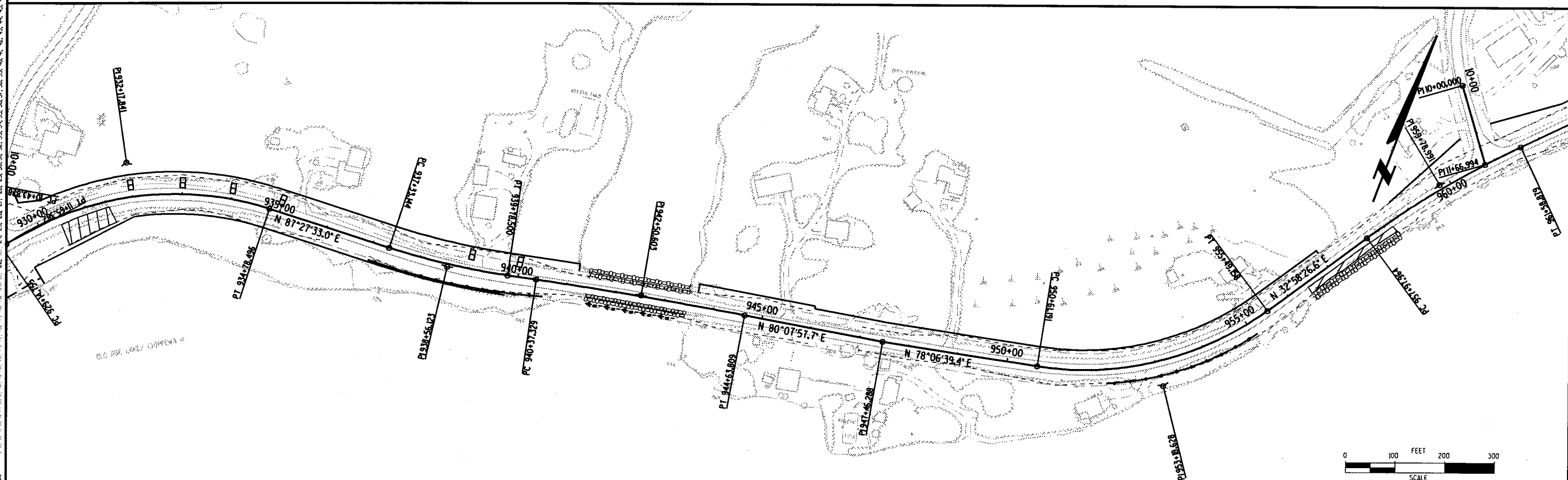
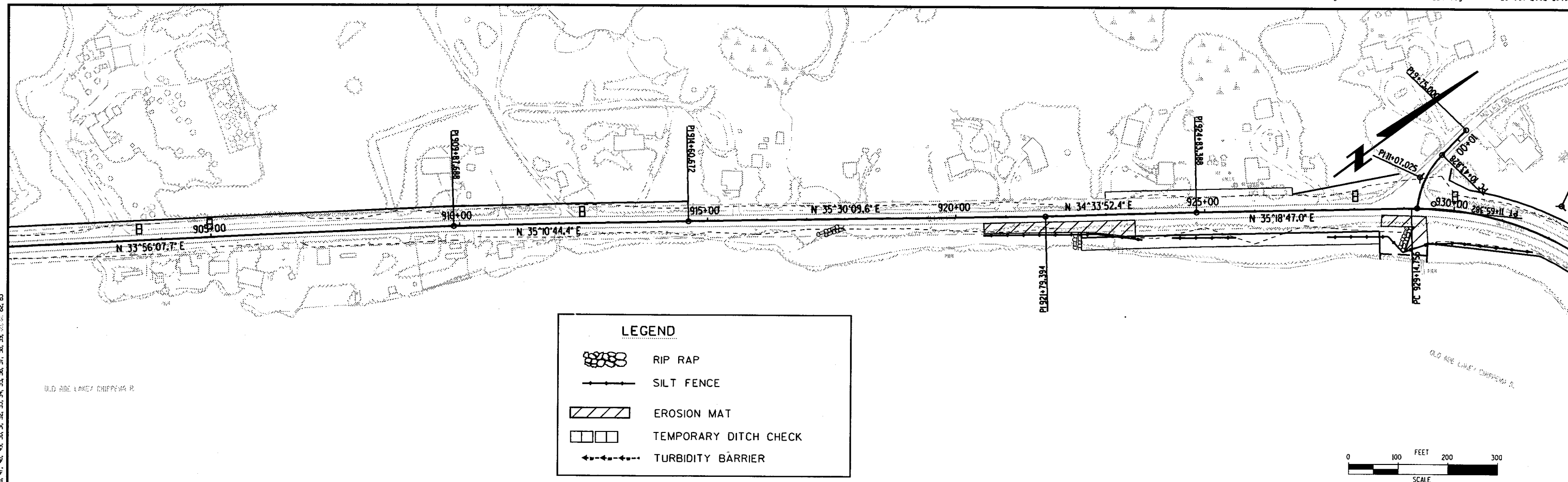
LEVELS ON * 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63



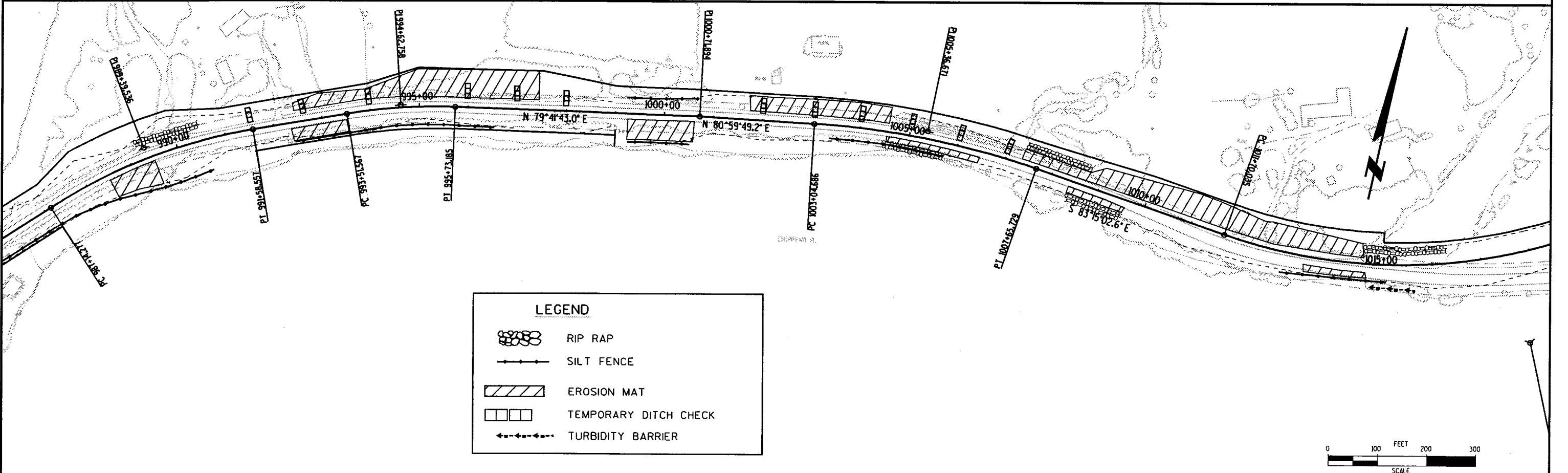
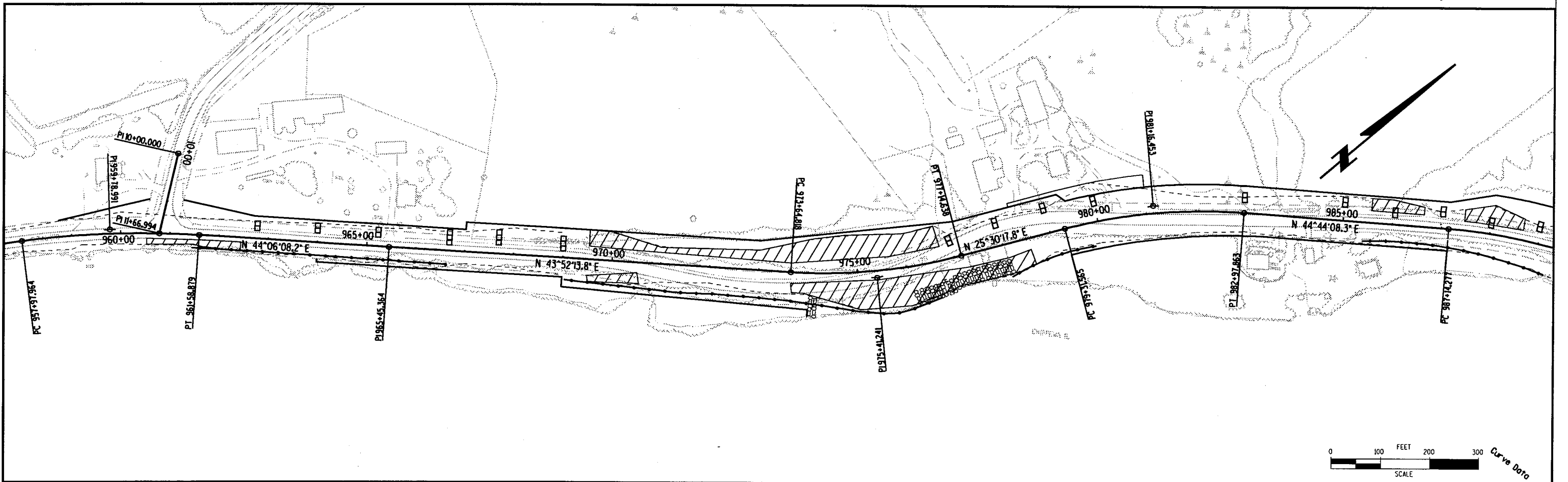
LEVELS ON * 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63



LEVELS ON * 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63



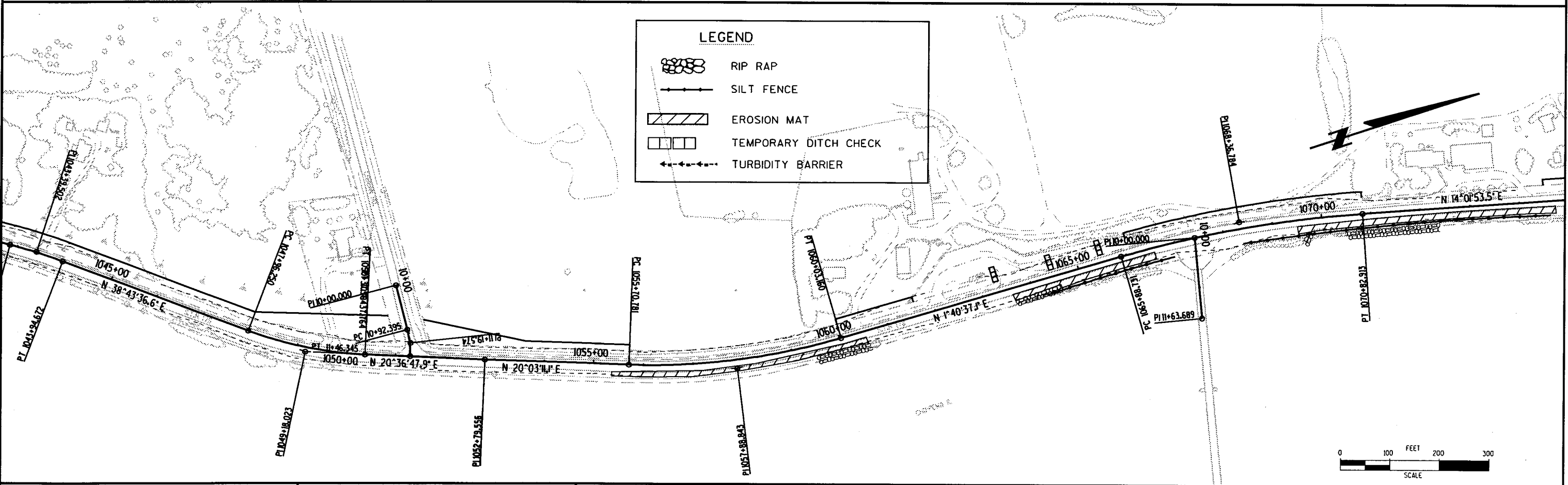
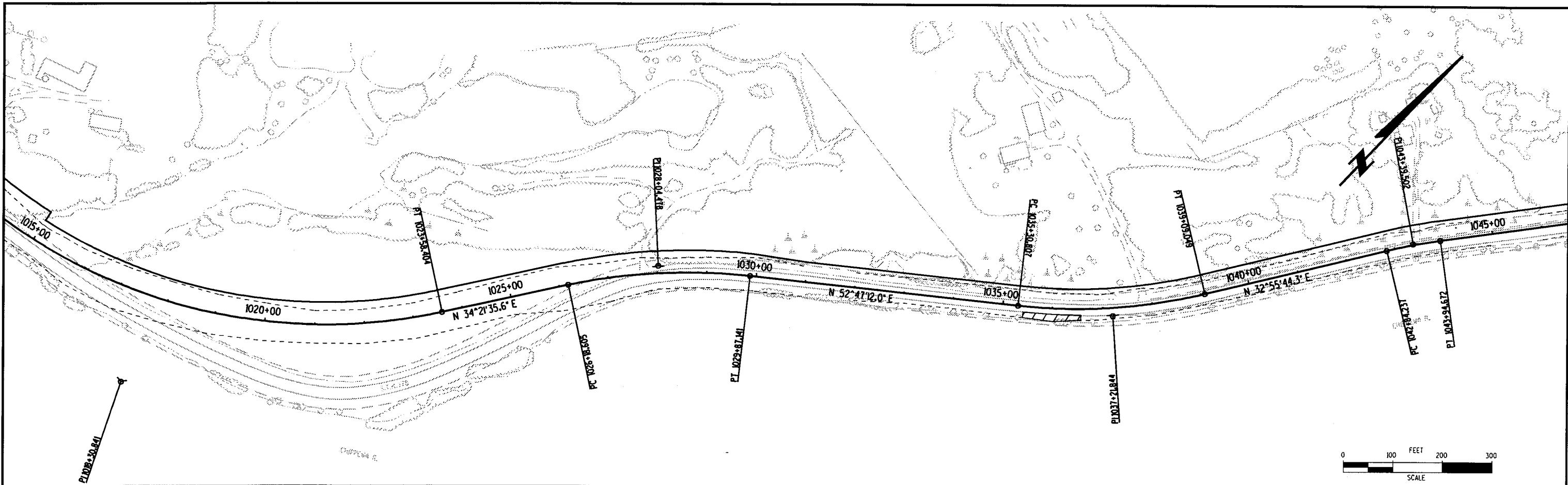
LEVELS ON * (0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63



LEGEND

- RIP RAP
- SILT FENCE
- EROSION MAT
- TEMPORARY DITCH CHECK
- TURBIDITY BARRIER

LEVELS ON - 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63



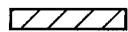
LEGEND



RIP RAP



SILT FENCE



EROSION MAT

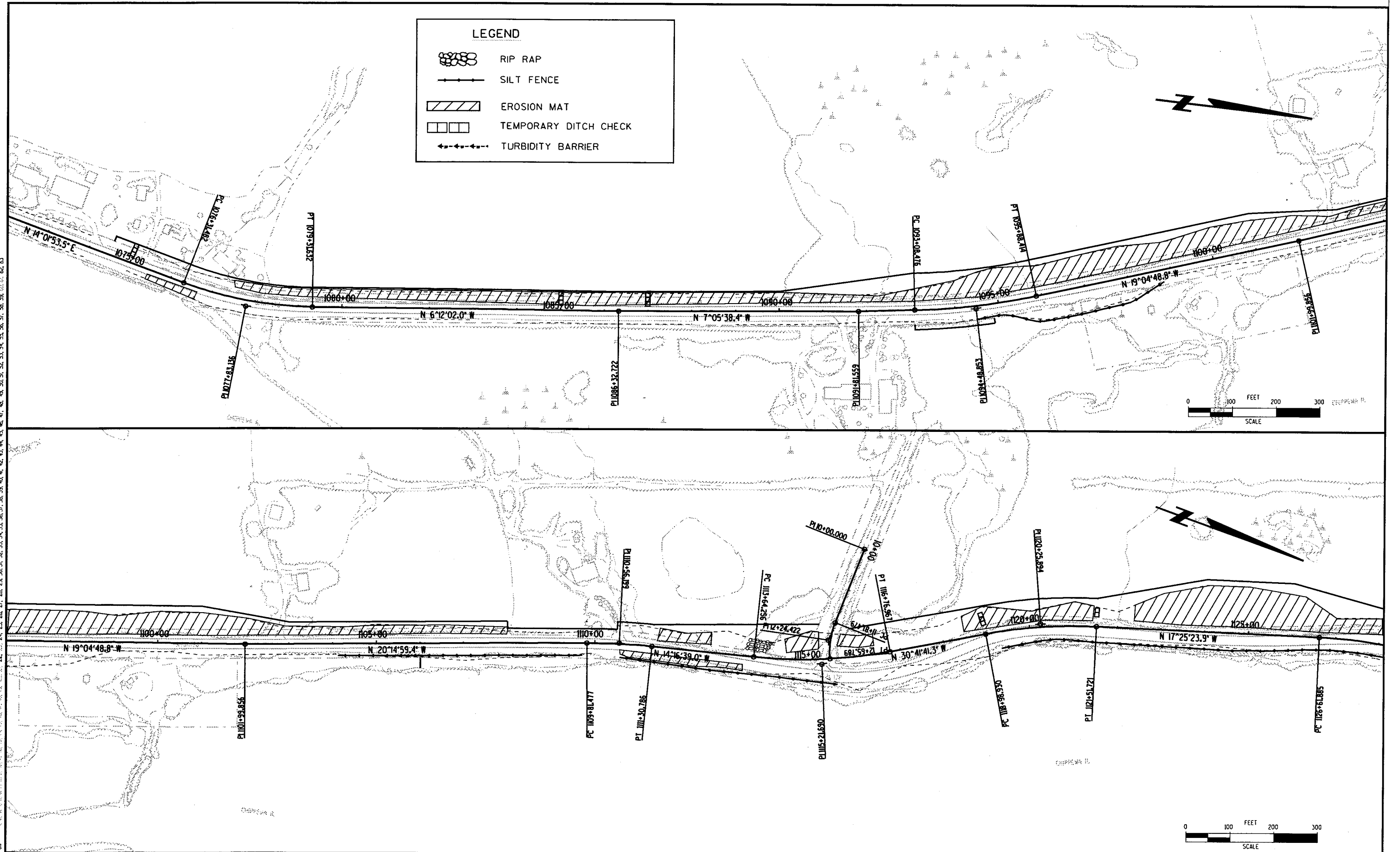


TEMPORARY DITCH CHECK

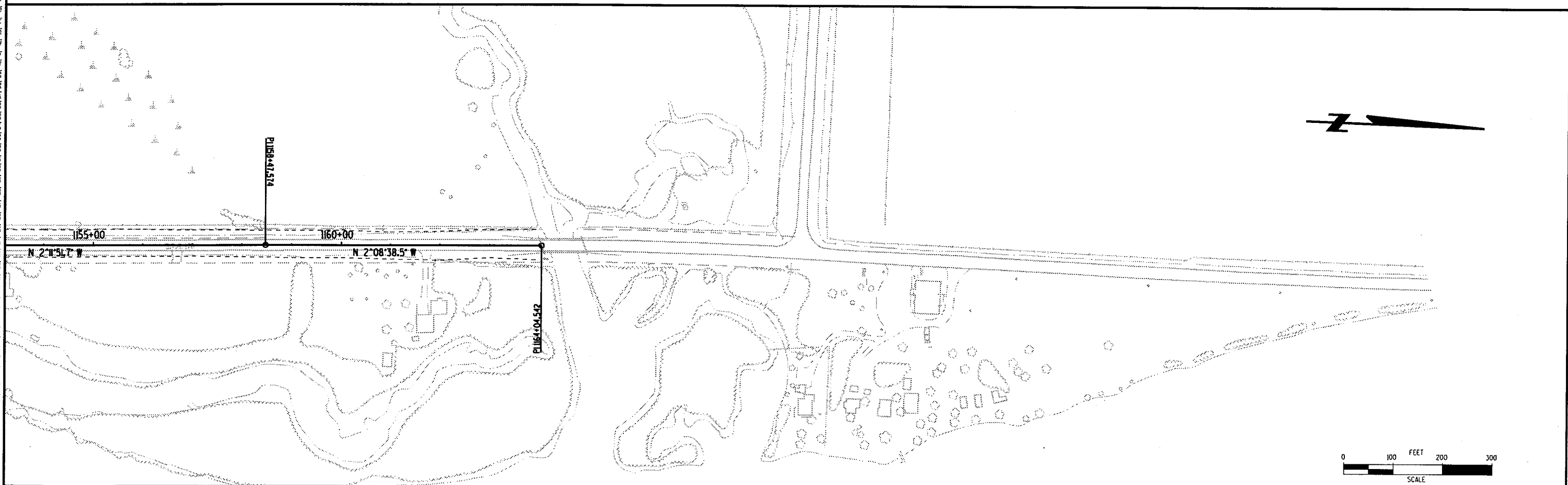
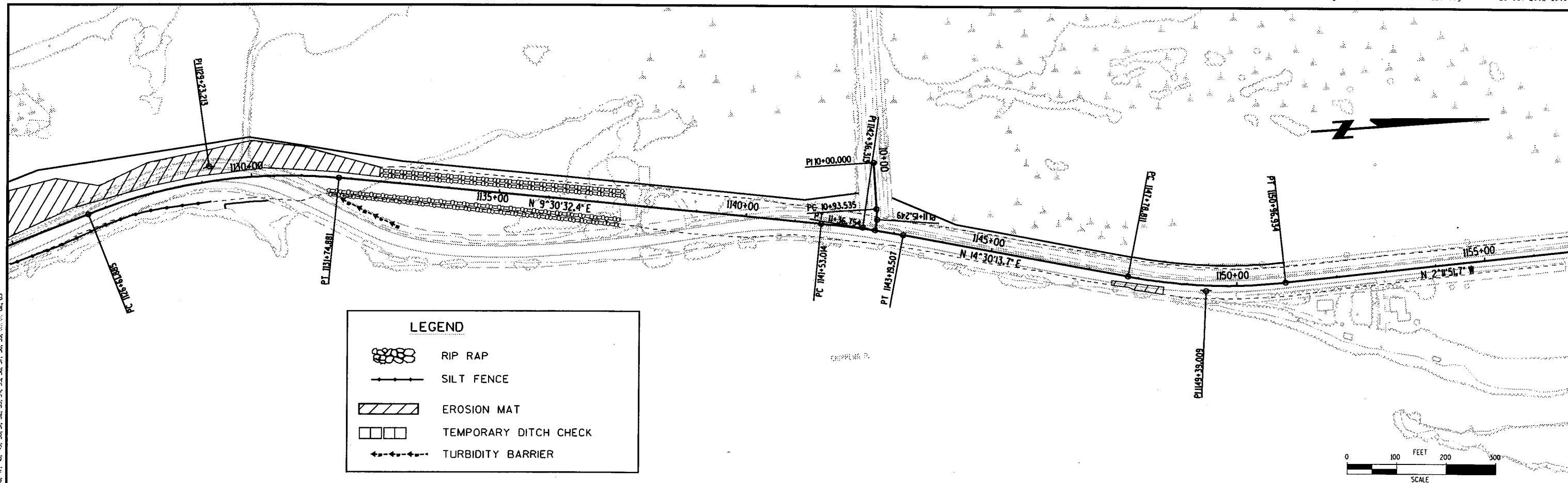


TURBIDITY BARRIER

LEVELS ON * 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63



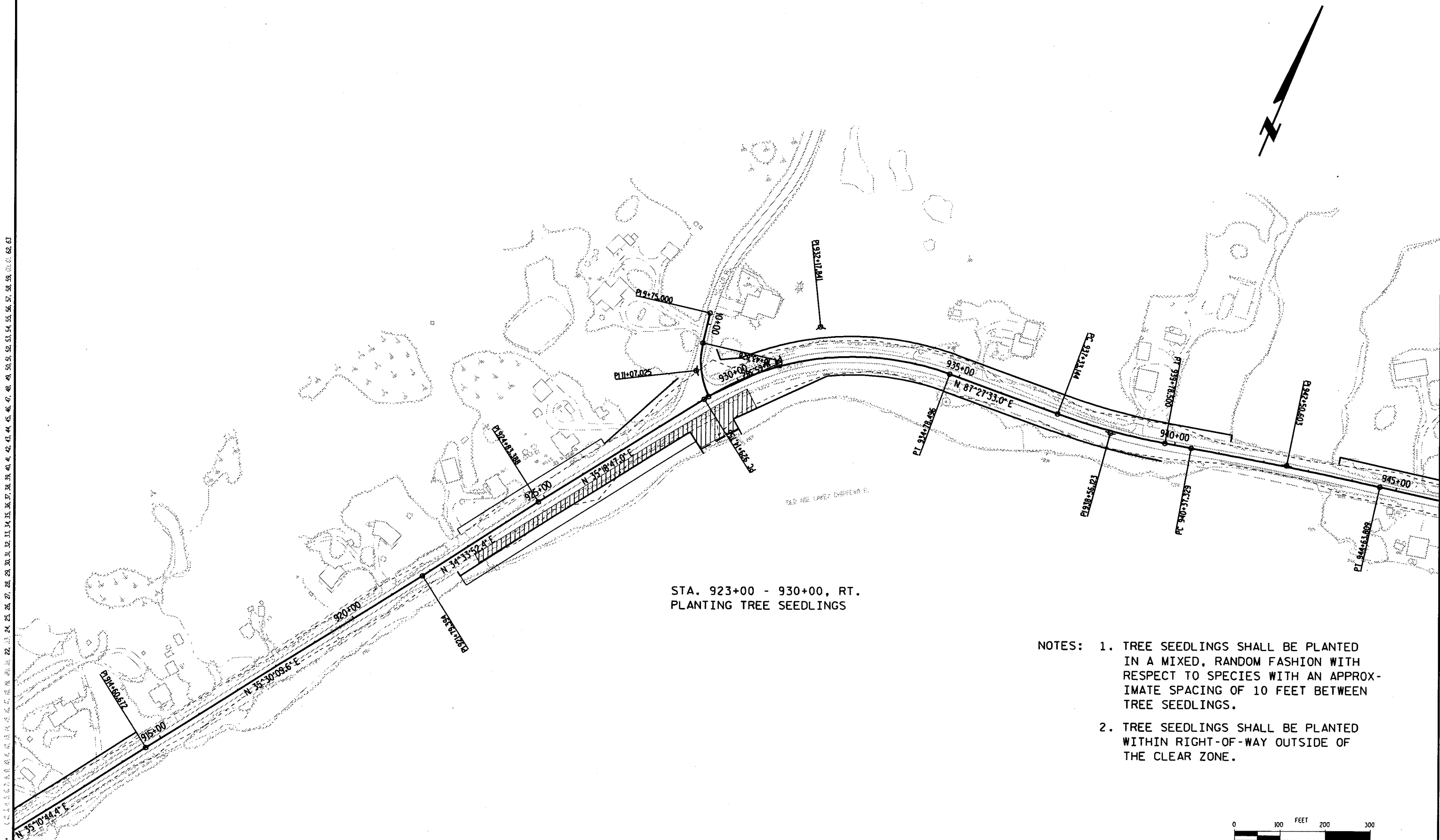
LEVELS ON * 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63



PLANT DATA CHART

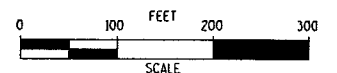
SYMBOL	COMMON NAME	SCIENTIFIC NAME	AMERICAN STANDARD TYPE	AVERAGE MATURE HEIGHT	SIZE WHEN PLANTED	ROOT ZONE MODE	MINIMUM SIZE				MULCH RING DIAMETER	GUYING OR BRACE	RODENT PROTECTION REQ'D.	FERTILIZER PACKETS REQ'D.	PLANT SPACING IN BEDS	QUANTITY	PROJECT TOTAL (EACH)	
							BALL / POT		ROOT SPREAD	PLANT HOLE								
							DIAM.	DEPTH		DIAM.								DEPTH
LARGE GROWING DECIDUOUS TREES																		
GA	ASH, GREEN	FRAXINUS PENNSYLVANICA MARSH.		50'	15"-20" TALL	BR			10"-15"	14"	8"	24"	NO	NO	N/A	N/A	100	100
WA	ASH, WHITE	FRAXINUS AMERICANA L.		75'	15"-20" TALL	BR			10"-15"	14"	8"	24"	NO	NO	N/A	N/A	86	86
SM	MAPLE, SUGAR	ACER SACCHARUM		70'	15"-20" TALL	BR			10"-15"	14"	8"	24"	NO	NO	N/A	N/A	86	86
RO	OAK, NORTHERN RED	QUERCUS RUBRA L.		75'	15"-20" TALL	BR			10"-15"	14"	8"	24"	NO	NO	N/A	N/A	86	86
SMALL - MEDIUM GROWING DECIDUOUS TREES																		
SIM	MAPLE, SILVER	ACER SACCHARINUM		40'	15"-20" TALL	BR			10"-15"	14"	8"	24"	NO	NO	N/A	N/A	100	100
YB	BIRCH, YELLOW	BETULA ALLEGHANIENSIS BRITT.		40'	15"-20" TALL	BR			10"-15"	14"	8"	24"	NO	NO	N/A	N/A	86	86
LARGE GROWING EVERGREEN TREES																		
WP	PINE, WHITE	PINUS STROBUS L.		75'	15"-20" TALL	BR			10"-15"	14"	8"	24"	NO	NO	N/A	N/A	86	86
LARGE GROWING DECIDUOUS SHRUBS																		
LOW - MEDIUM GROWING DECIDUOUS SHRUBS																		
														</				

LEVELS ON + 22.22, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63



STA. 923+00 - 930+00, RT.
PLANTING TREE SEEDLINGS

- NOTES: 1. TREE SEEDLINGS SHALL BE PLANTED IN A MIXED, RANDOM FASHION WITH RESPECT TO SPECIES WITH AN APPROXIMATE SPACING OF 10 FEET BETWEEN TREE SEEDLINGS.
2. TREE SEEDLINGS SHALL BE PLANTED WITHIN RIGHT-OF-WAY OUTSIDE OF THE CLEAR ZONE.



STATE PROJECT NO: 8600-02-71

HWY: STH 178

COUNTY: CHIPPEWA

PLANTING DETAIL

SHEET NO: 23

E

FILE NAME: I:\microstation\Projects\sd6_86000201\023102.pl.dgn

PLOT DATE: 23-OCT-2002 15:56

ORG DATE: 9-19-02 lso

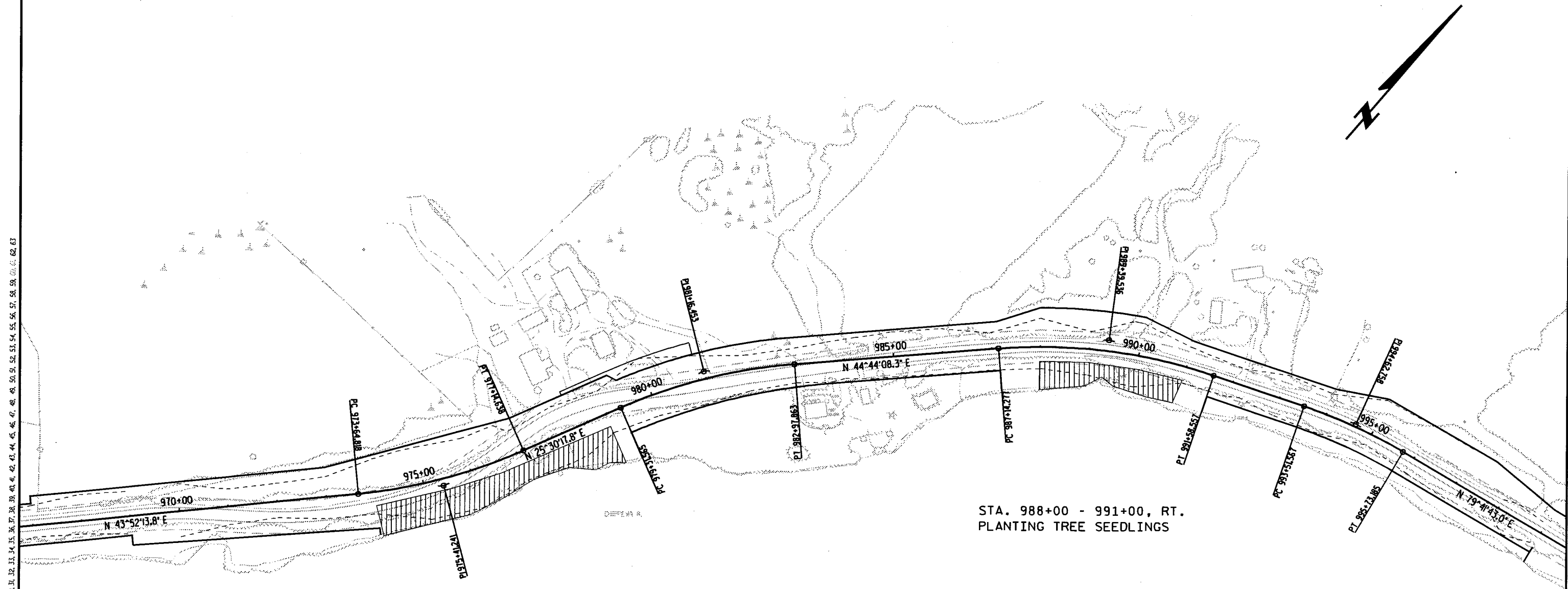
PLOT NAME: 023102.pl

ORIGINATOR: Dst.6

PLOT SCALE: 2.000000:1.000000

MSDOT/CADDIS SHEET 42

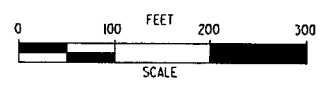
LEVELS ON * 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63



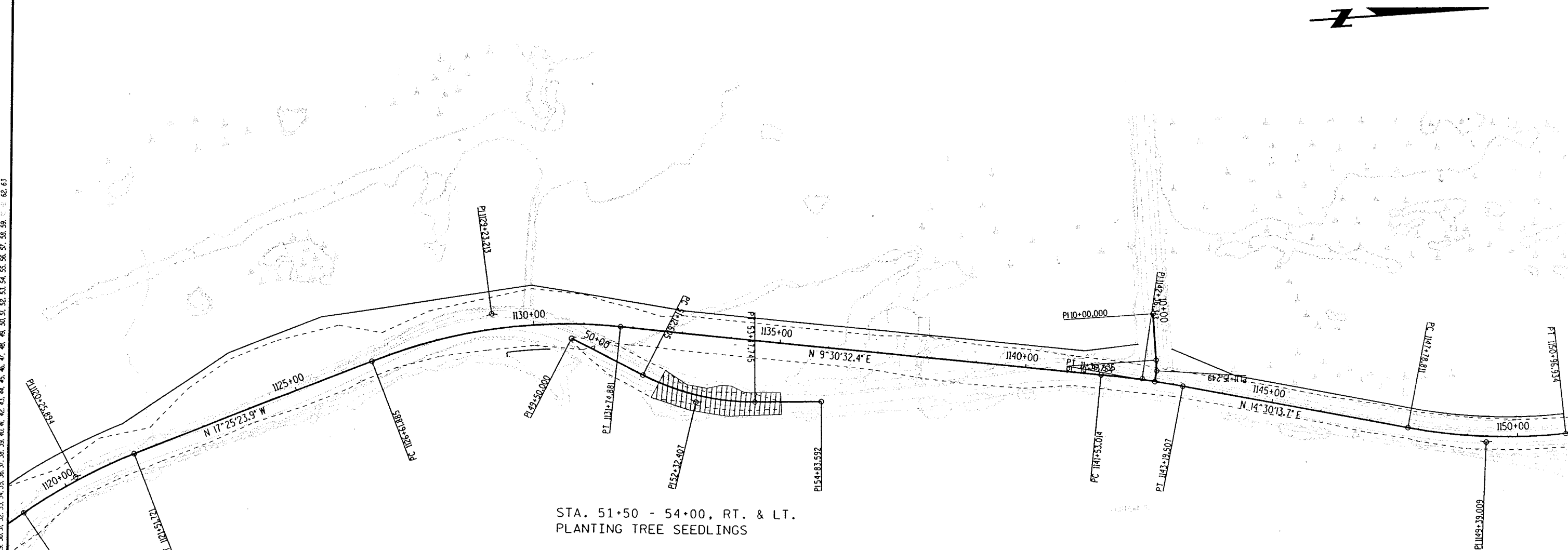
STA. 974+00 - 979+00, RT.
PLANTING TREE SEEDLINGS

STA. 988+00 - 991+00, RT.
PLANTING TREE SEEDLINGS

- NOTES:
1. TREE SEEDLINGS SHALL BE PLANTED IN A MIXED, RANDOM FASHION WITH RESPECT TO SPECIES WITH AN APPROXIMATE SPACING OF 10 FEET BETWEEN TREE SEEDLINGS.
 2. TREE SEEDLINGS SHALL BE PLANTED WITHIN RIGHT-OF-WAY OUTSIDE OF THE CLEAR ZONE.

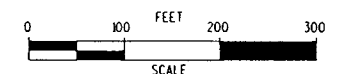


LEVELS ON
22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63



STA. 51+50 - 54+00, RT. & LT.
PLANTING TREE SEEDLINGS

- NOTES:
1. TREE SEEDLINGS SHALL BE PLANTED IN A MIXED, RANDOM FASHION WITH RESPECT TO SPECIES WITH AN APPROXIMATE SPACING OF 10 FEET BETWEEN TREE SEEDLINGS.
 2. TREE SEEDLINGS SHALL BE PLANTED WITHIN RIGHT-OF-WAY OUTSIDE OF THE CLEAR ZONE.



STATE PROJECT NO: 8600-02-71

HWY: STH 178

COUNTY: CHIPPEWA

PLANTING DETAIL

SHEET NO: 25

E

FILE NAME: I:\microstation\Projects\d6.86000201\023104.pl.dgn

PLOT DATE: 19-SEP-2002 10:58

ORG DATE: 9-19-02

PLOT NAME: 023104.pld

ORIGINATOR: Dist. 6

PLOT SCALE: 2.000000:1.000000

WISDOT/CAODS SHEET 42

106) SIGNVIEW. DATA BASE RECORD NUMBER

 PROPOSED POST MOUNTED SIGN(S)

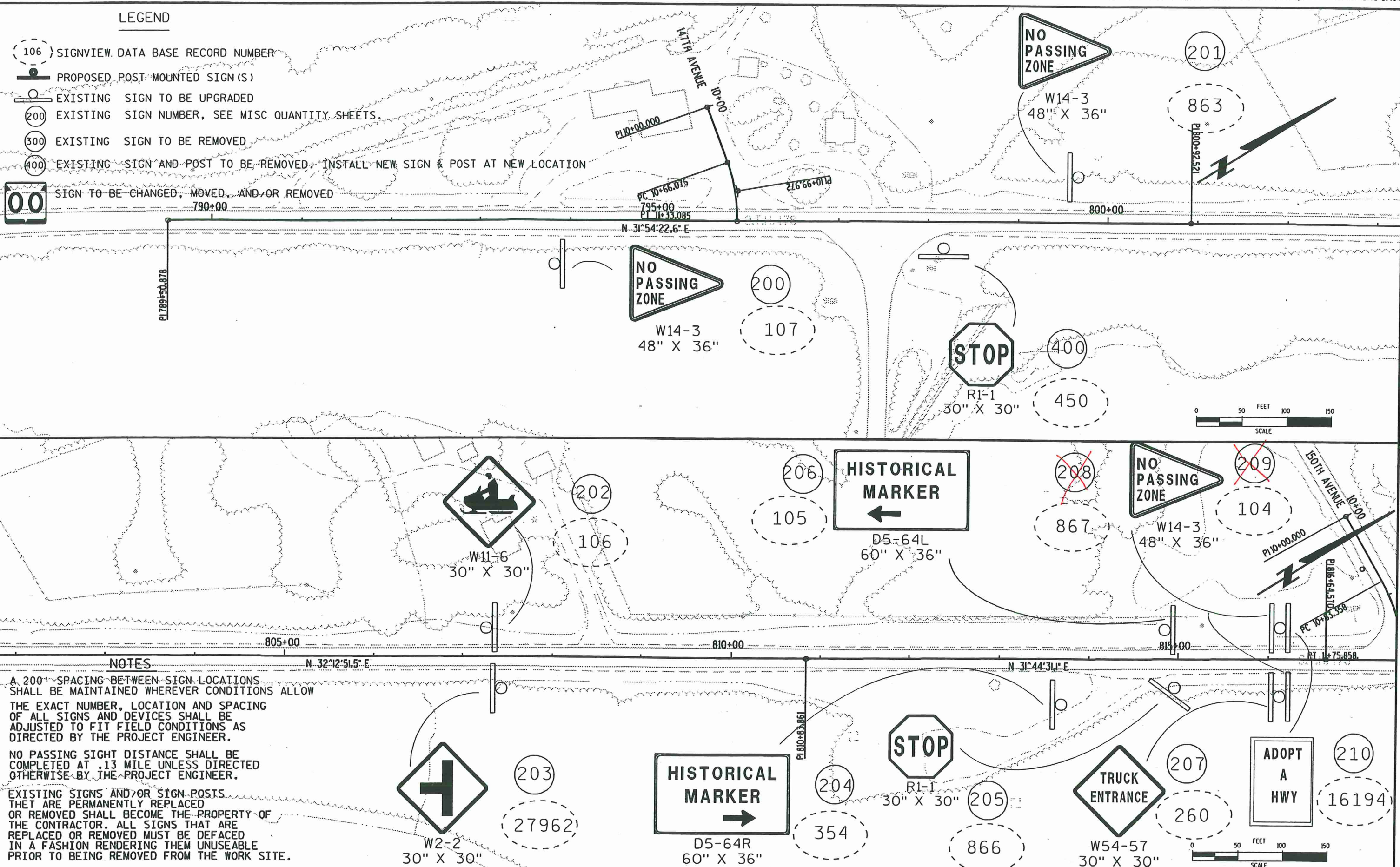
 EXISTING SIGN TO BE UPGRADED

 EXISTING SIGN NUMBER, SEE MISC QUANTITY SHEETS.

 EXISTING SIGN TO BE REMOVED

 EXISTING SIGN AND POST TO BE REMOVED. INSTALL NEW SIGN & POST AT NEW LOCATION

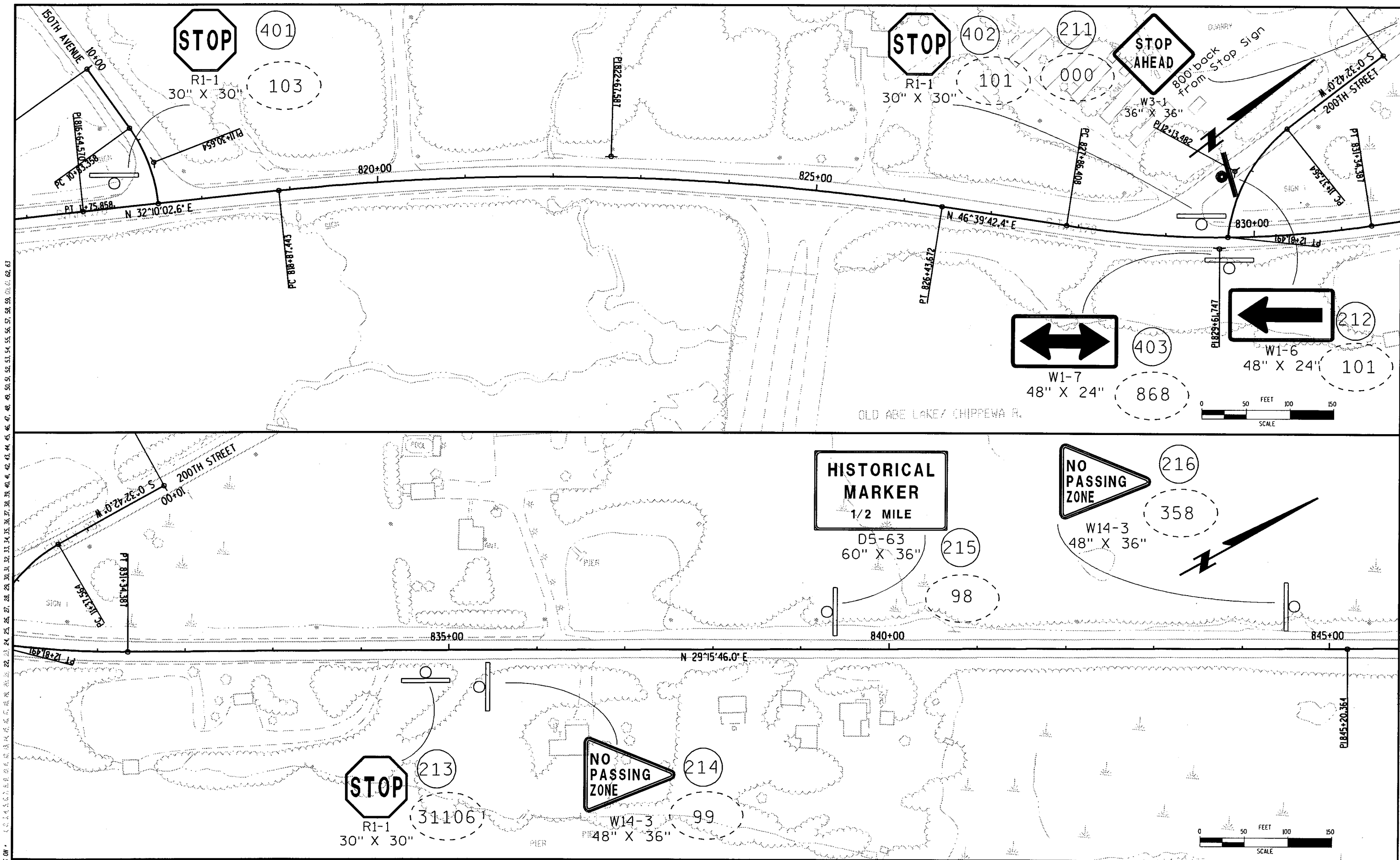
 SIGN TO BE CHANGED, MOVED, AND/OR REMOVED



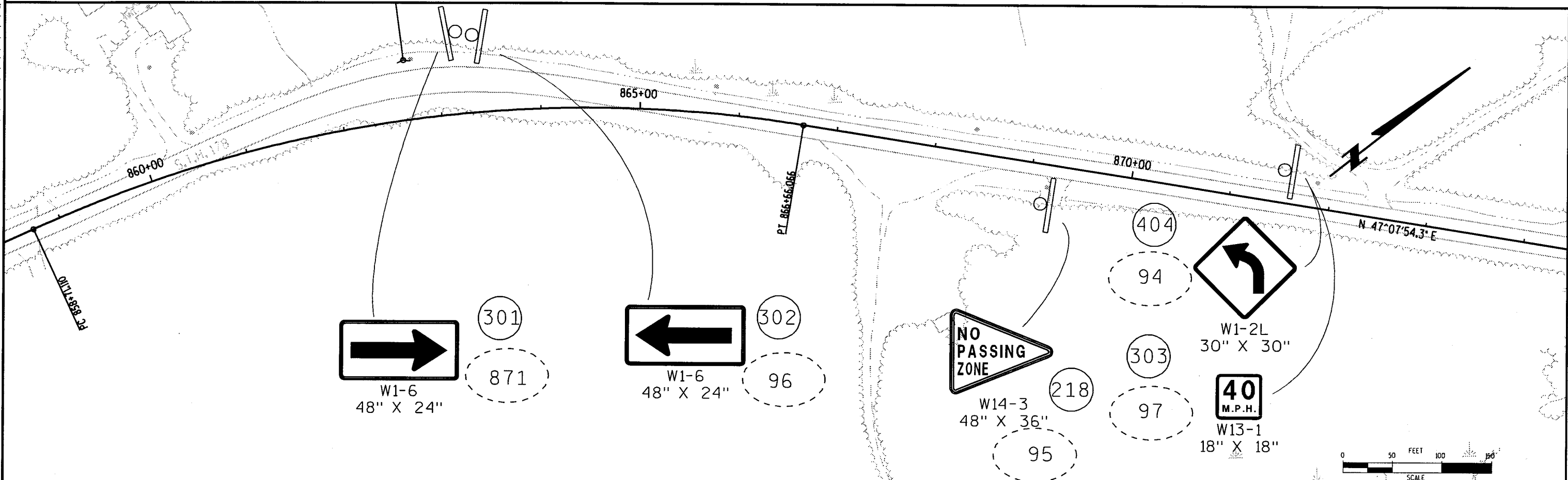
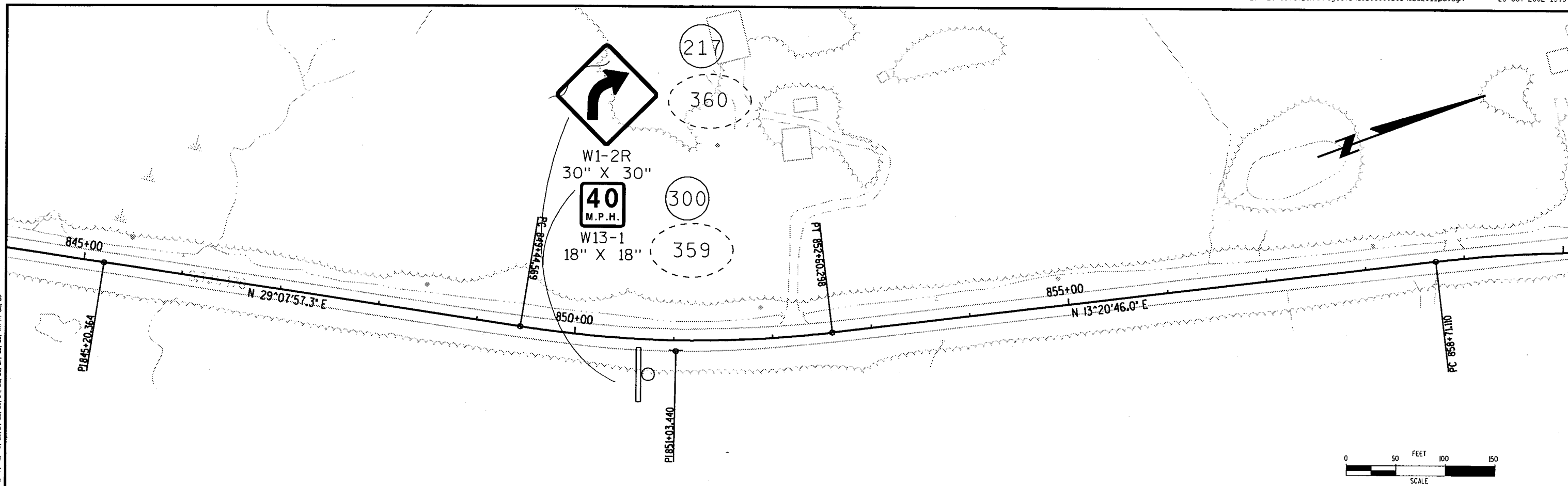
SHEET NO: . 26

PLOT SCALE : 2.000000:1.000000

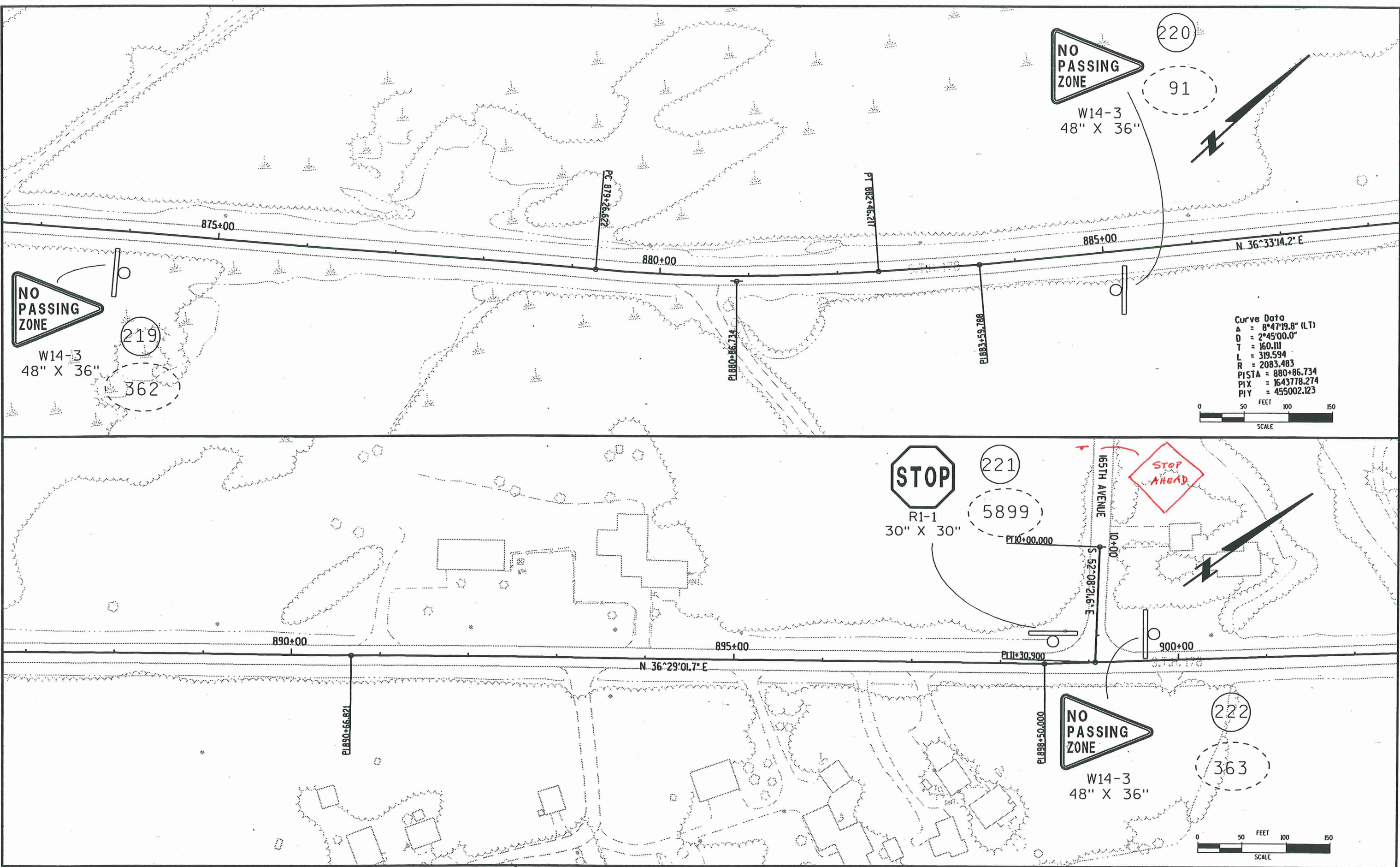
INSOBT/CADD5 SHEET 42



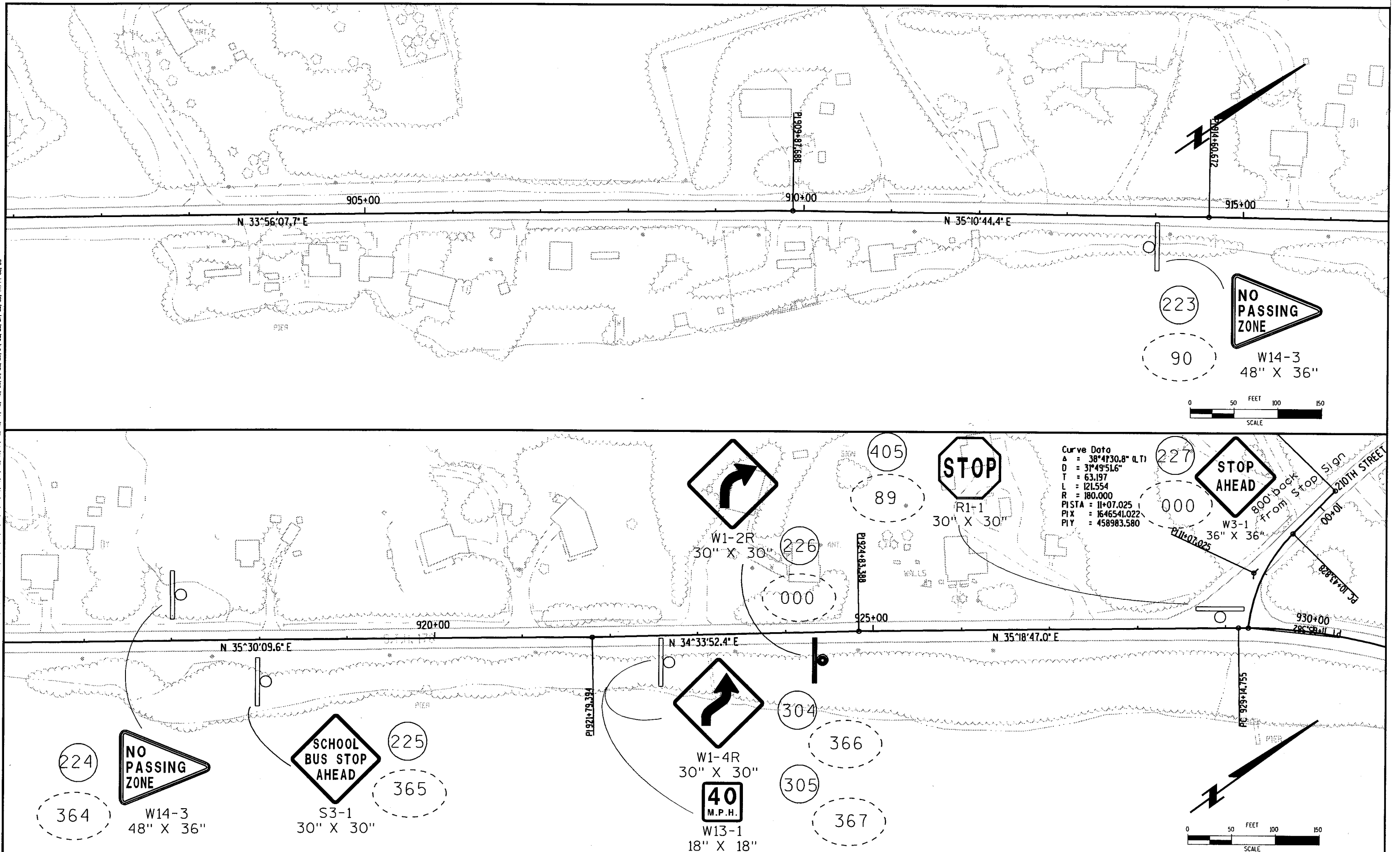
LEVELS ON * (2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63)

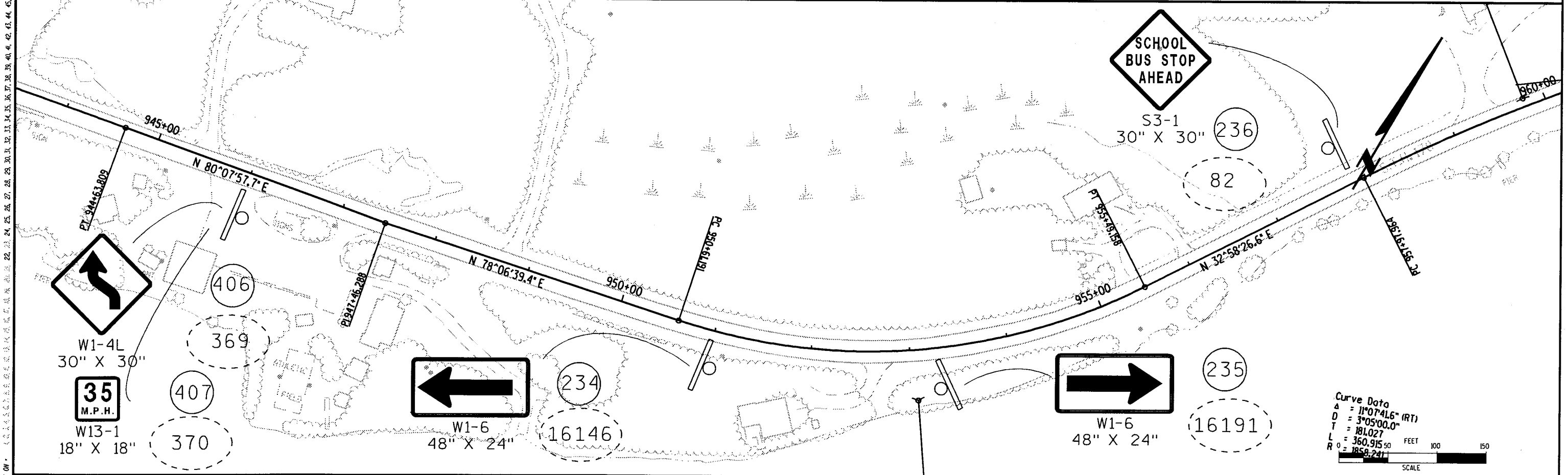
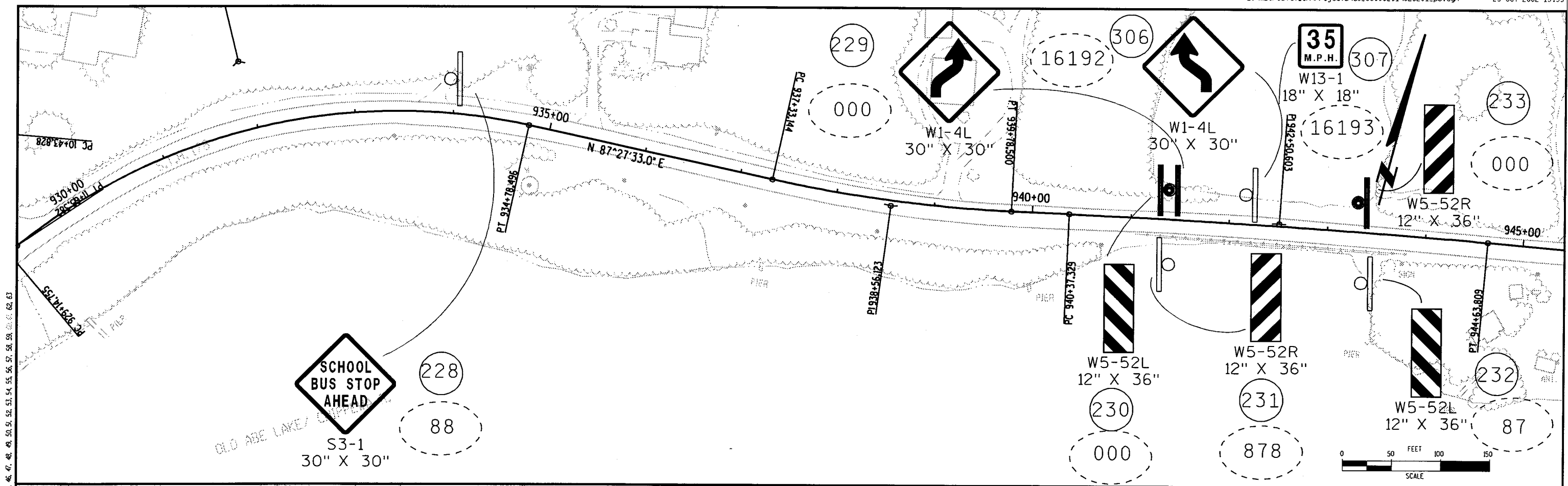


LEVELS ON : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63

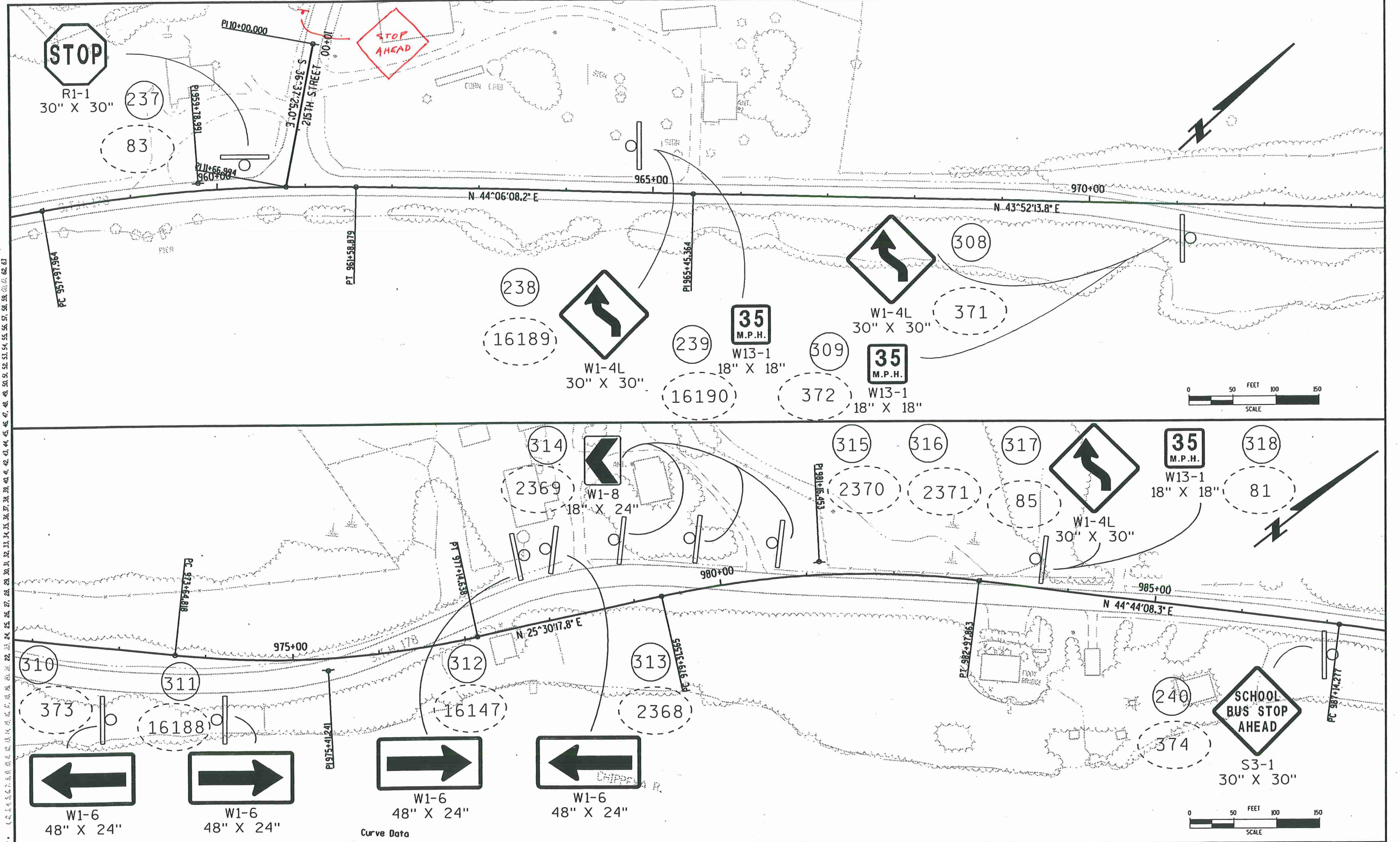


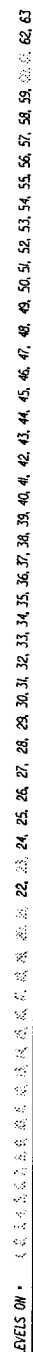
LEVELS ON: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63





LEVELS ON * 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63

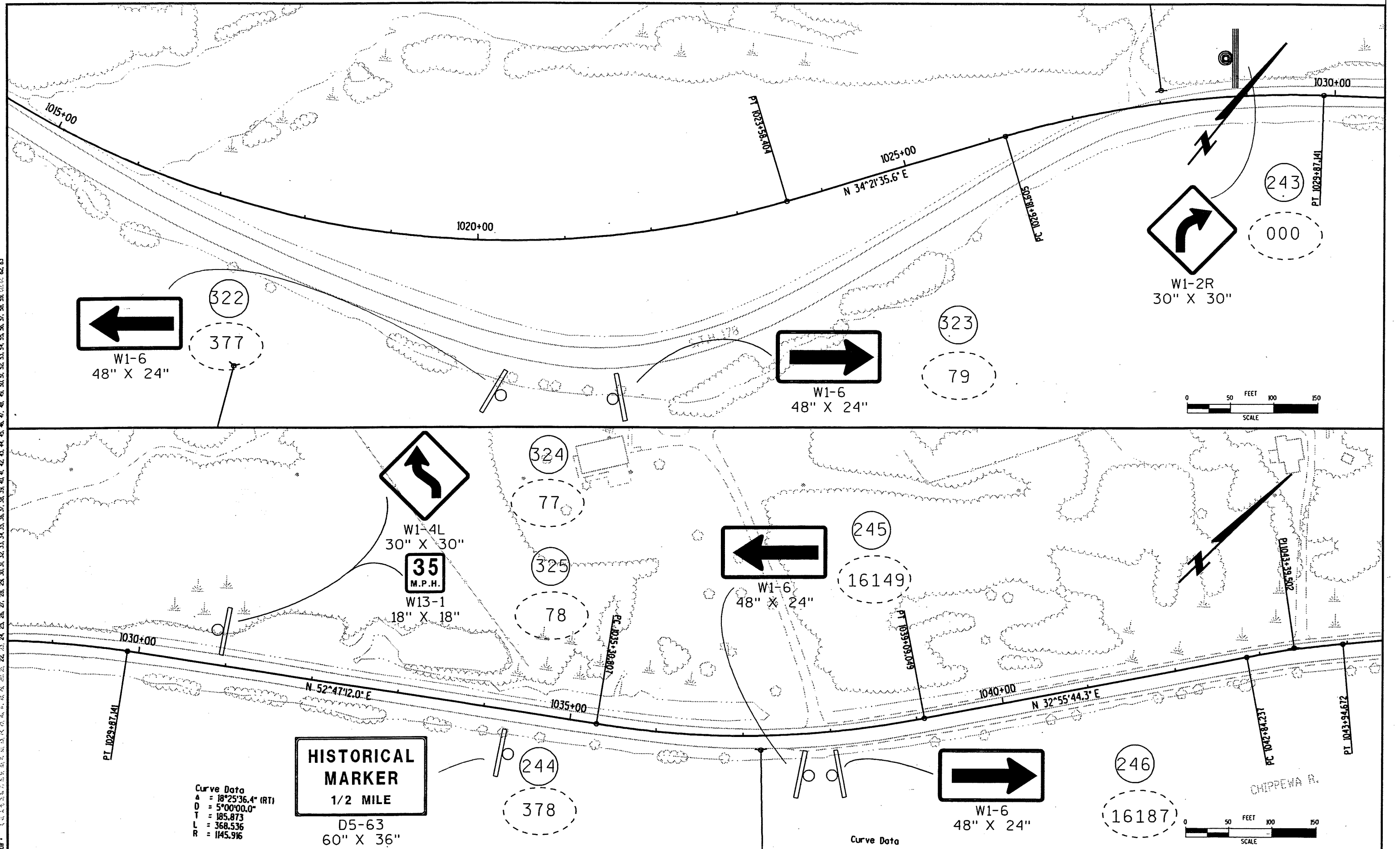


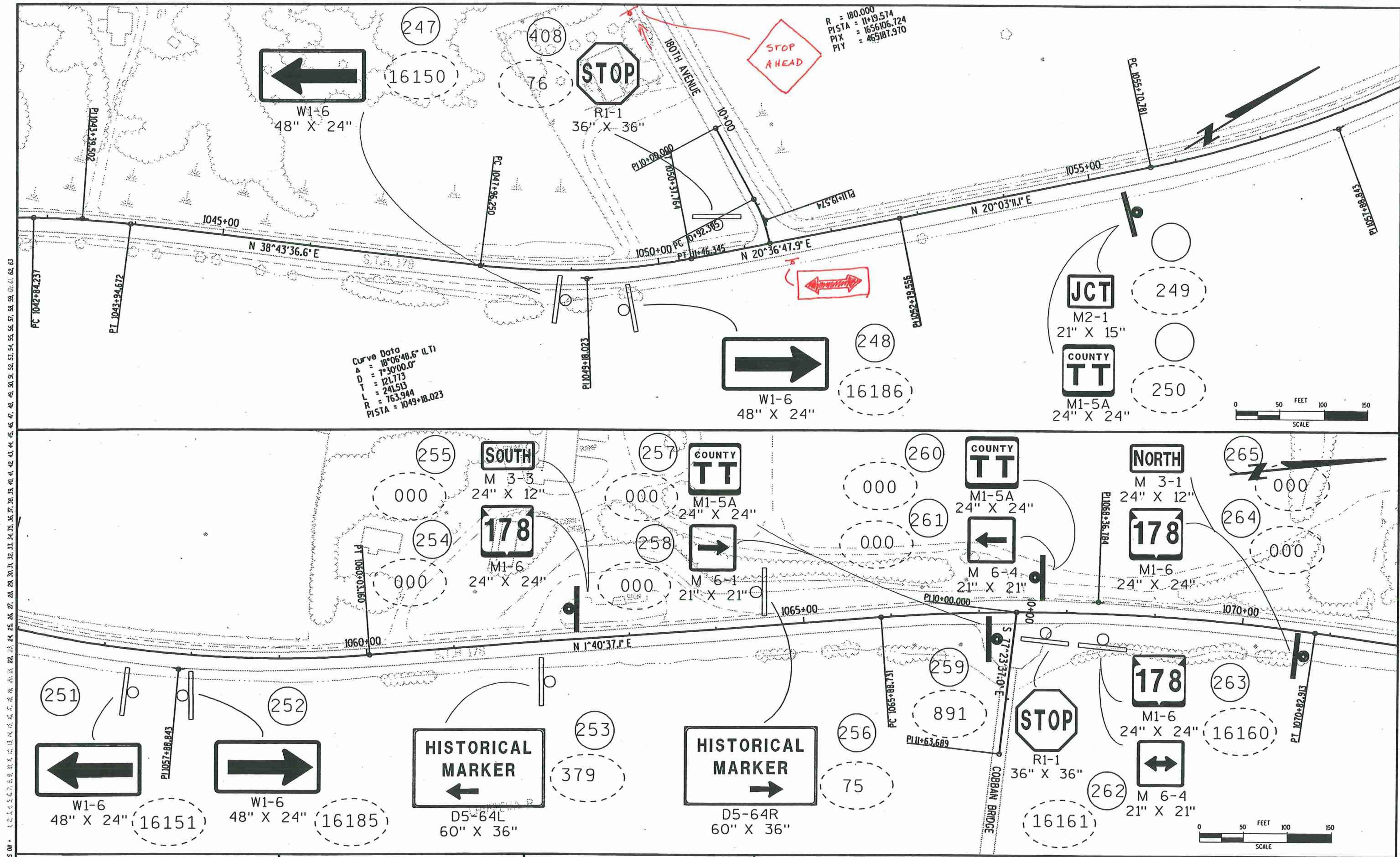


T

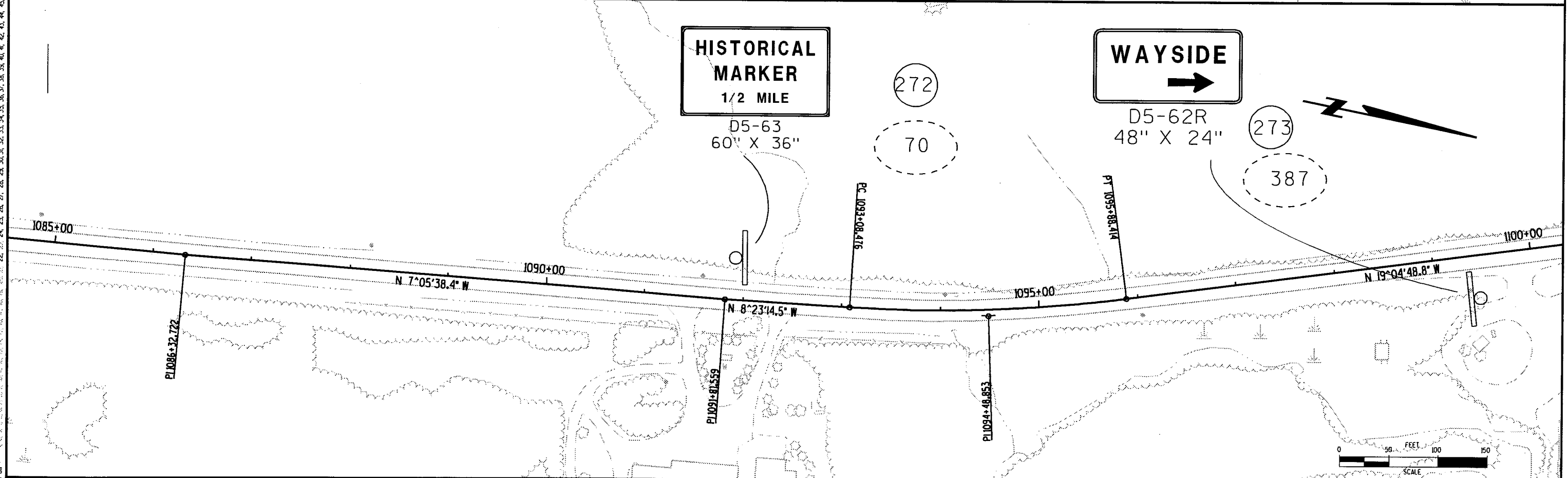
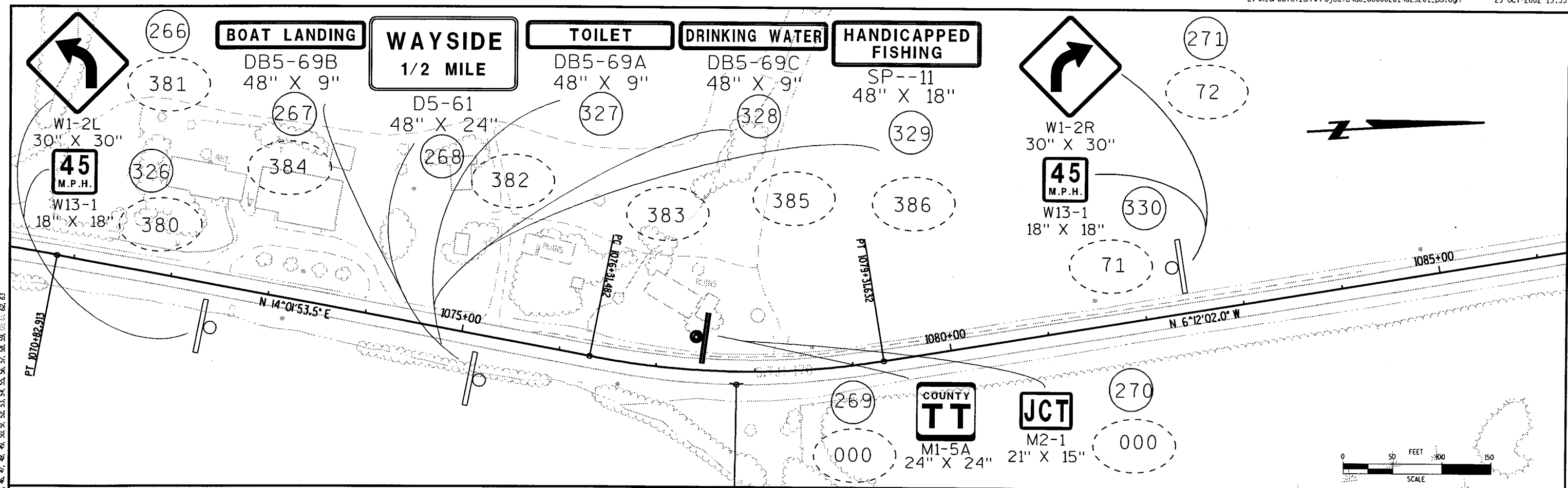
WISDOT/CADD'S SHEET 42

LEVELS ON: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63

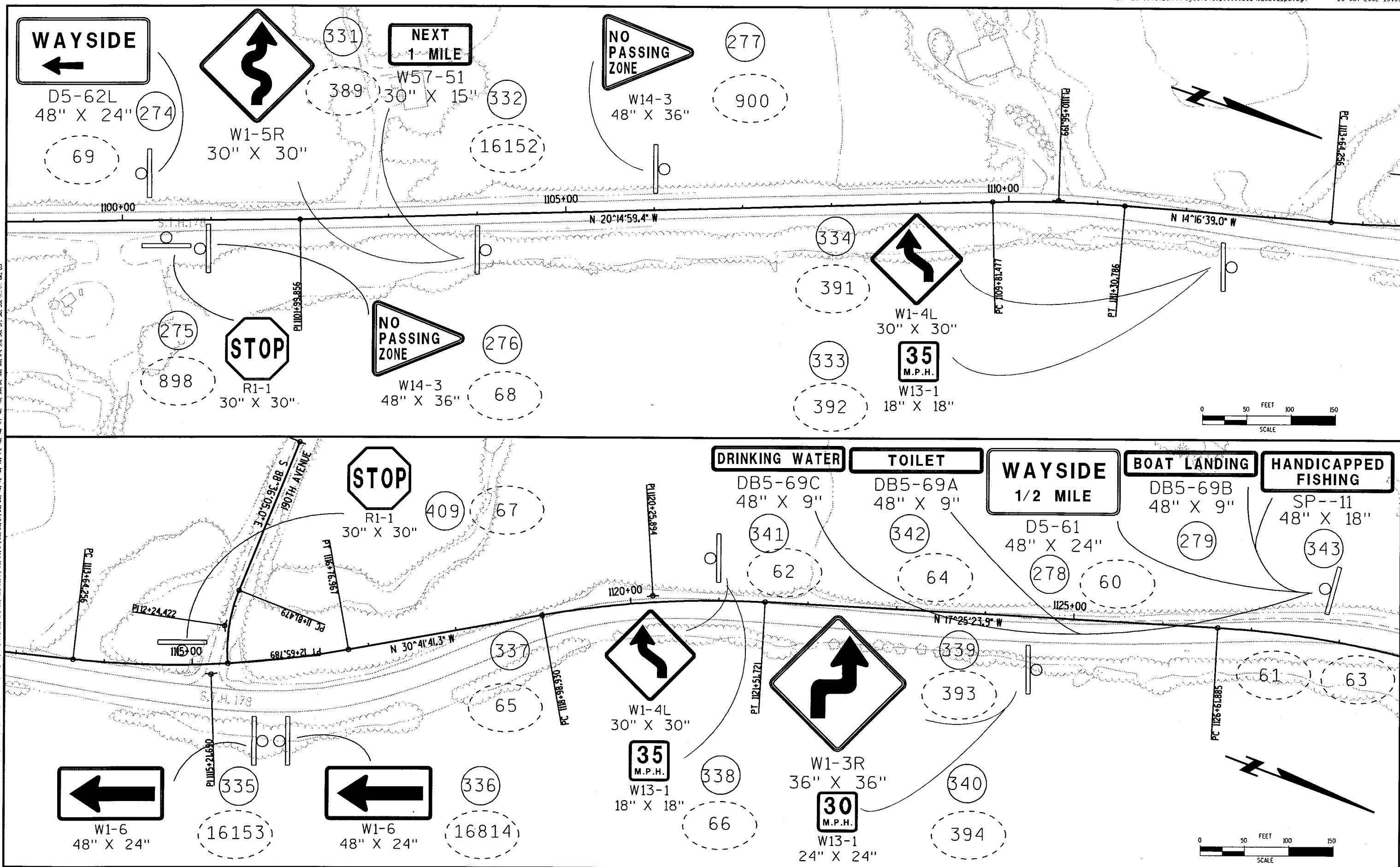




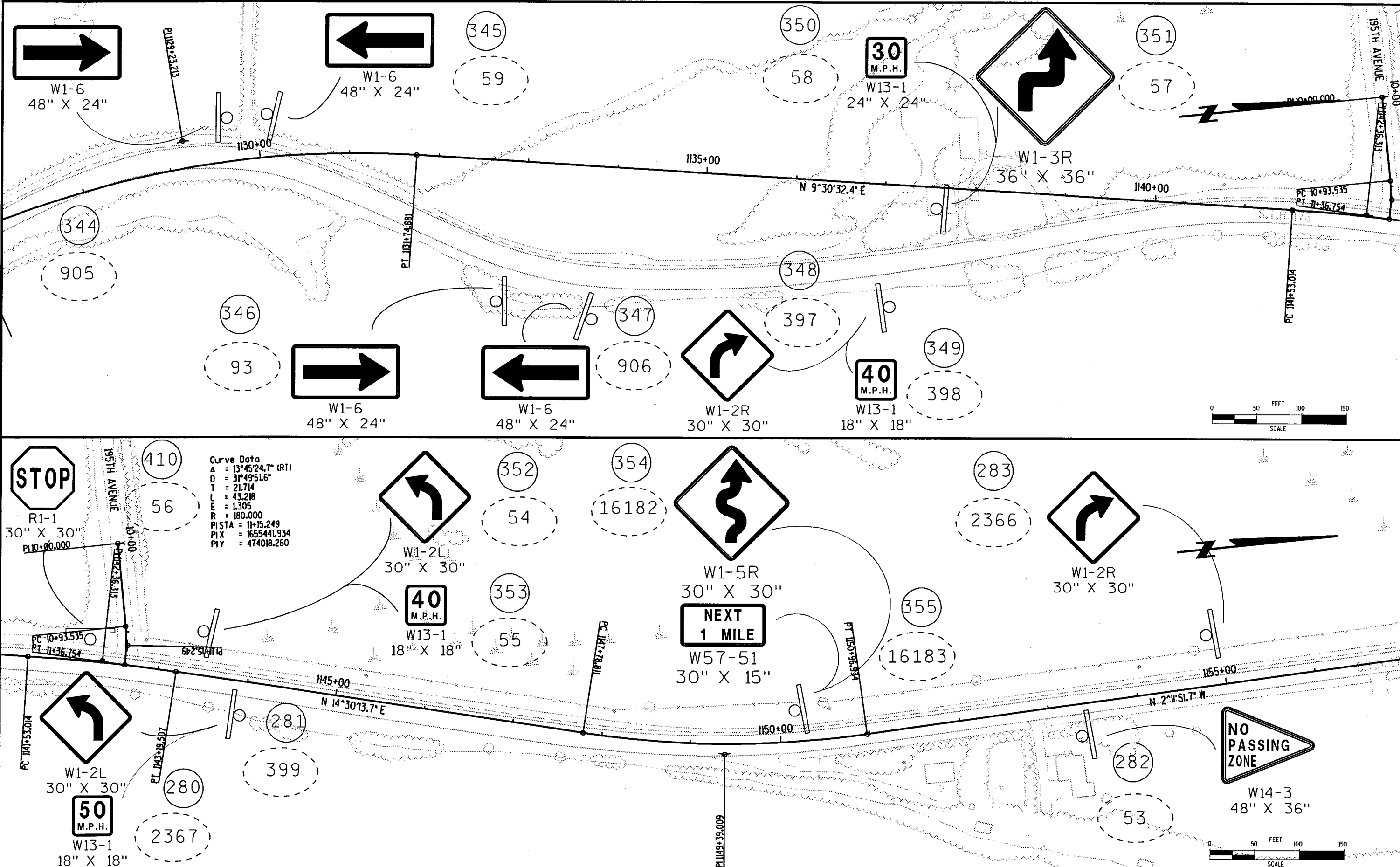
LEVELS ON * 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63



LEVELS ON - 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

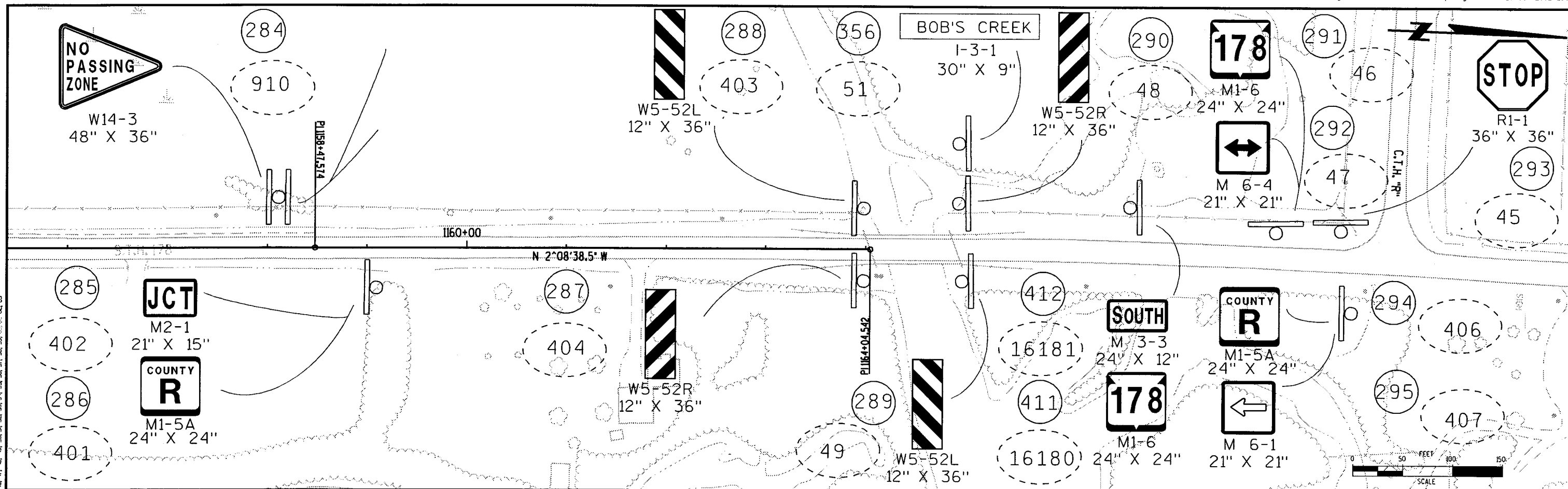


LEVELS ON * 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63



Curve Data
Δ = 13°45'24.7" (RT)
D = 31°49'51.6"
T = 21.714
L = 43.218
E = 1.305
R = 180.000
PISTA = 11+15.249
PIX = 1655441.934
PIY = 474018.260

LEVELS ON * 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63



LEVELS ON • 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

NOTES

A 200' SPACING BETWEEN SIGN LOCATIONS SHALL BE MAINTAINED WHEREVER CONDITIONS ALLOW.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE PROJECT ENGINEER.

NO PASSING SIGHT DISTANCE SHALL BE COMPLETED AT .21 MILE FOR THIS DETOUR. UNLESS DIRECTED OTHERWISE BY THE PROJECT ENGINEER.

NO PASSING ZONE SIGNS AND POSTS SHALL BE INSTALLED PRIOR TO THE OPENING OF THE DETOUR AND ARE TO BE REMOVED AFTER THE DETOUR.

EXISTING SIGNS PERMANENTLY REPLACED ALONG DETOUR ROUTE SHALL REMAIN THE PROPERTY OF THE LOCAL MAINTAINING AUTHORITY AND SHALL BE TEMPORARILY STORED AT THE FIELD OFFICE FOR PICKUP.

EXISTING SIGNS TEMPORARILY REPLACED, REMOVED, OR COVERED FOR THE DETOUR SHALL BE RETURNED TO THEIR ORIGINAL LOCATION(S) UNLESS OTHERWISE SPECIFIED BY THE PROJECT ENGINEER.

LEGEND

—+— TYPE III BARRICADE

--- SIGN(S) TO BE COVERED, OR TEMPORARILY REPLACED / OVERLAID WITH THE SIGN(S) INDICATED ON THE PLAN SHEETS FOR THE DURATION OF THE DETOUR

● PROPOSED POST MOUNTED SIGN(S)

○ EXISTING SIGN

⬡ EXISTING 30" STOP SIGN TO BE REPLACED WITH NEW 30" STOP SIGN PRIOR TO THE DETOUR AND REMAIN AFTER THE DETOUR

⬢ PROPOSED 36" STOP SIGN TO TEMPORARILY REPLACE THE EXISTING 30" STOP SIGN FOR THE DURATION OF THE DETOUR

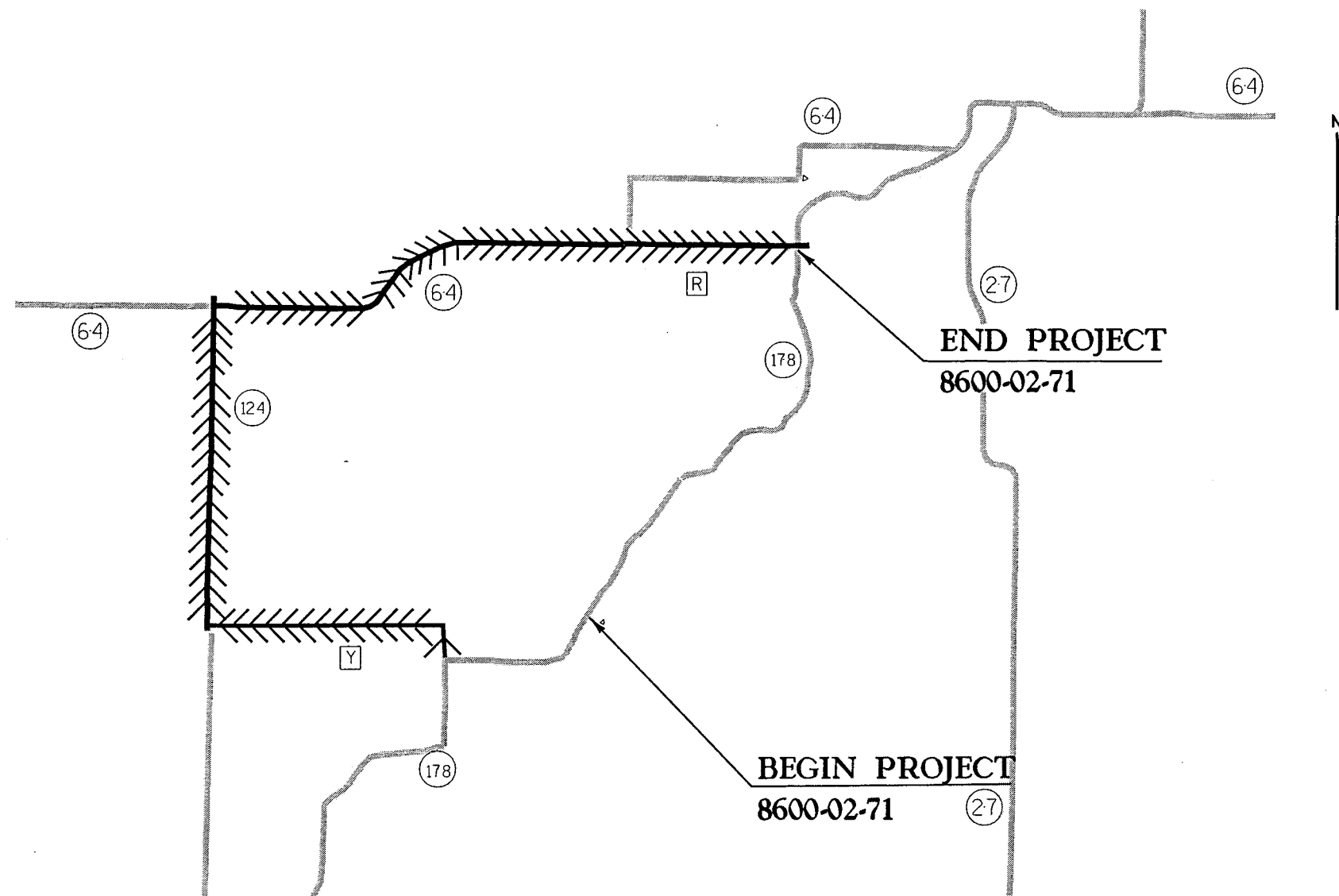
▨ WORK ZONE

64 EXISTING SIGN TO REMAIN IN PLACE

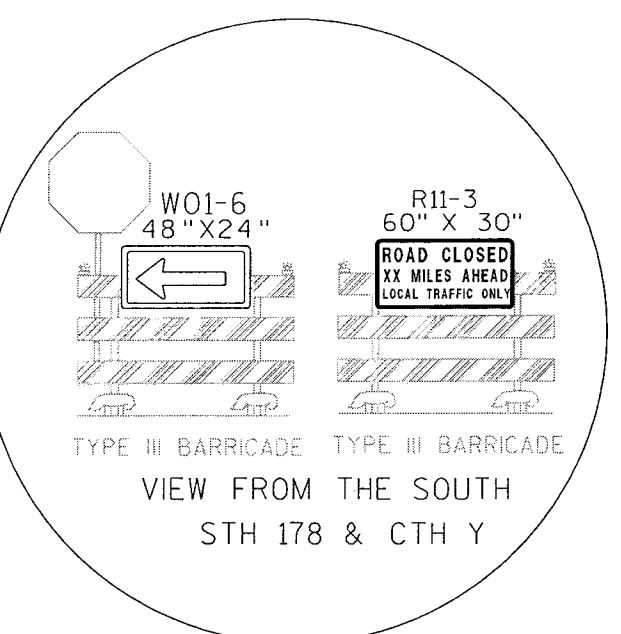
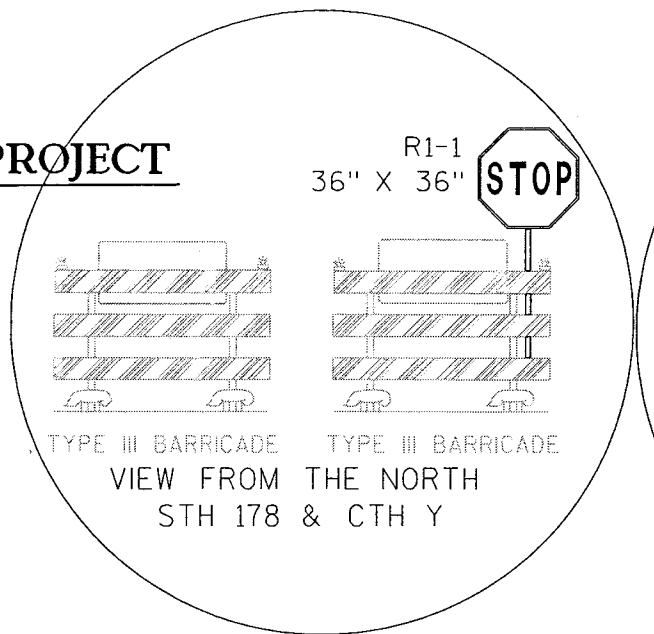
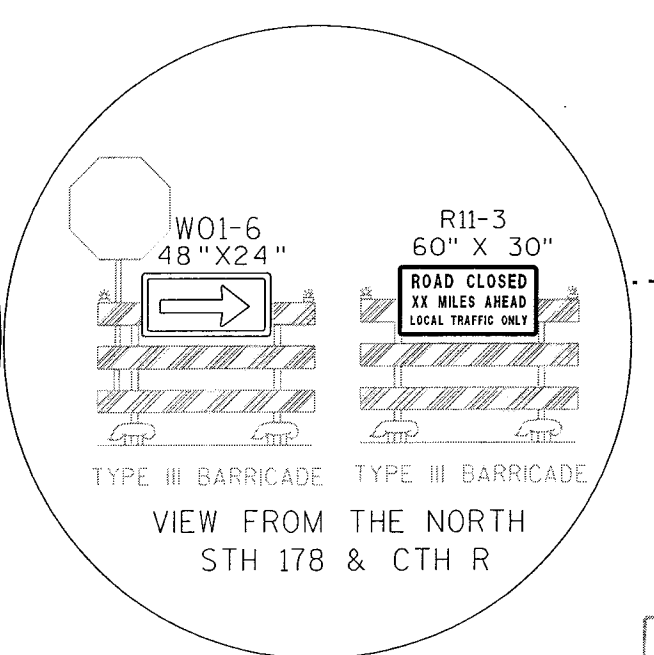
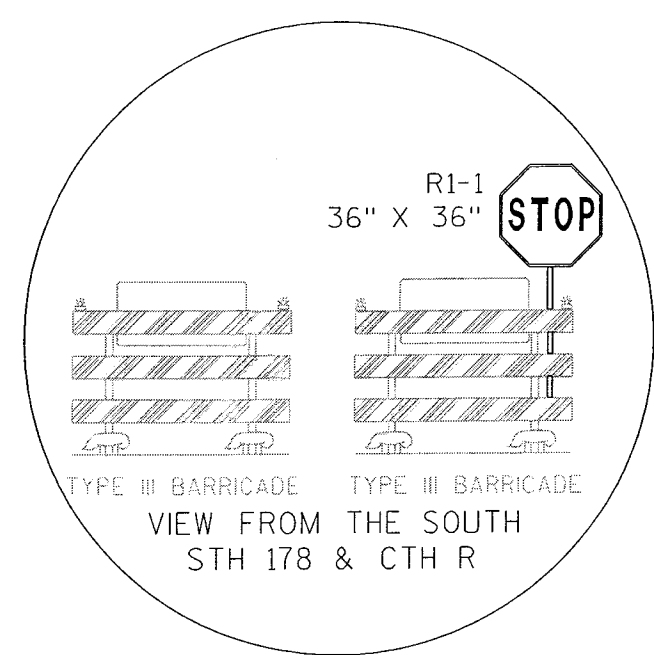
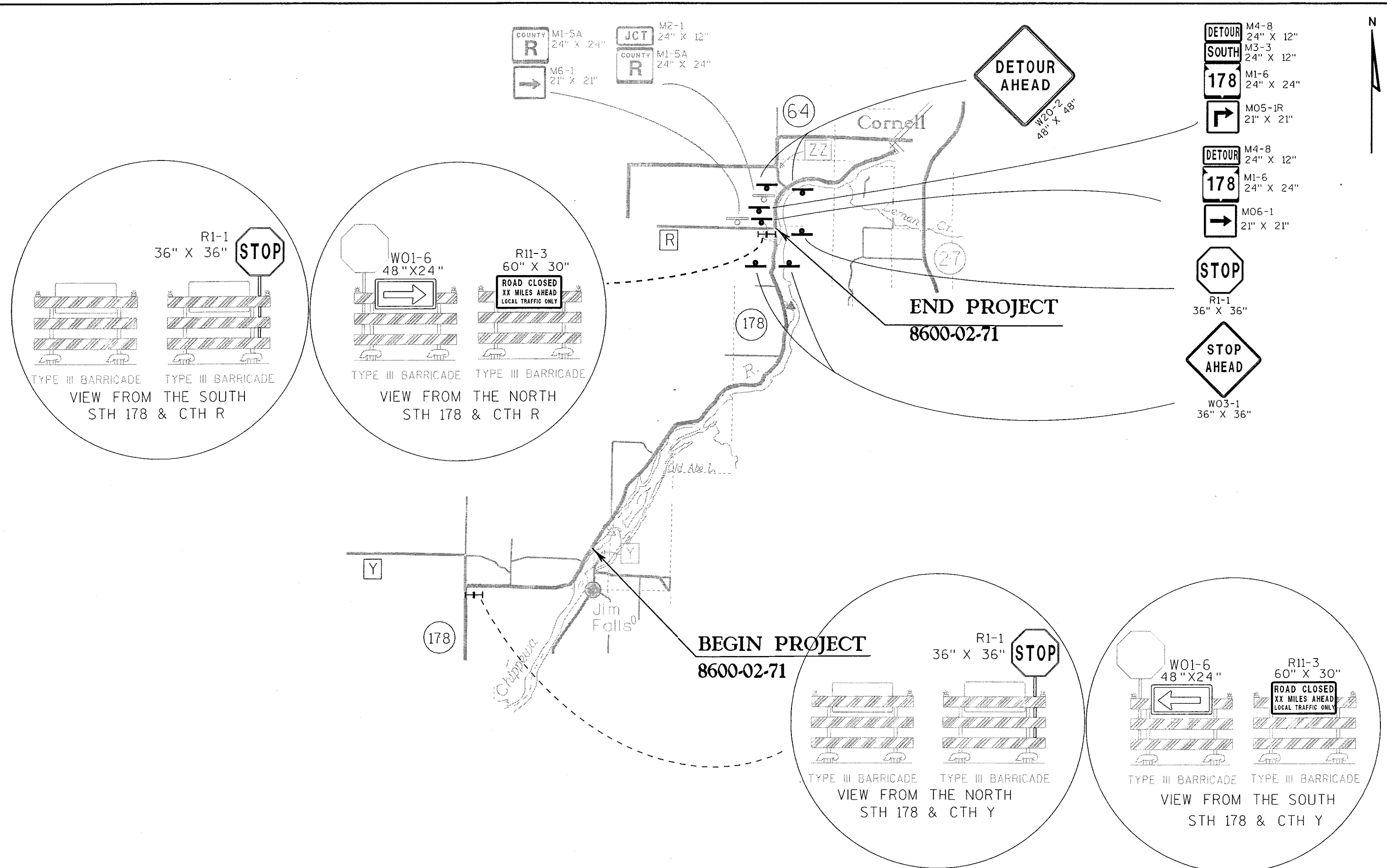
64 SIGN TO BE INSTALLED FOR THE DURATION OF THE DETOUR

RS EXISTING SIGN TO BE REPLACED IN KIND WITH A NEW HIGH INTENSITY SIGN

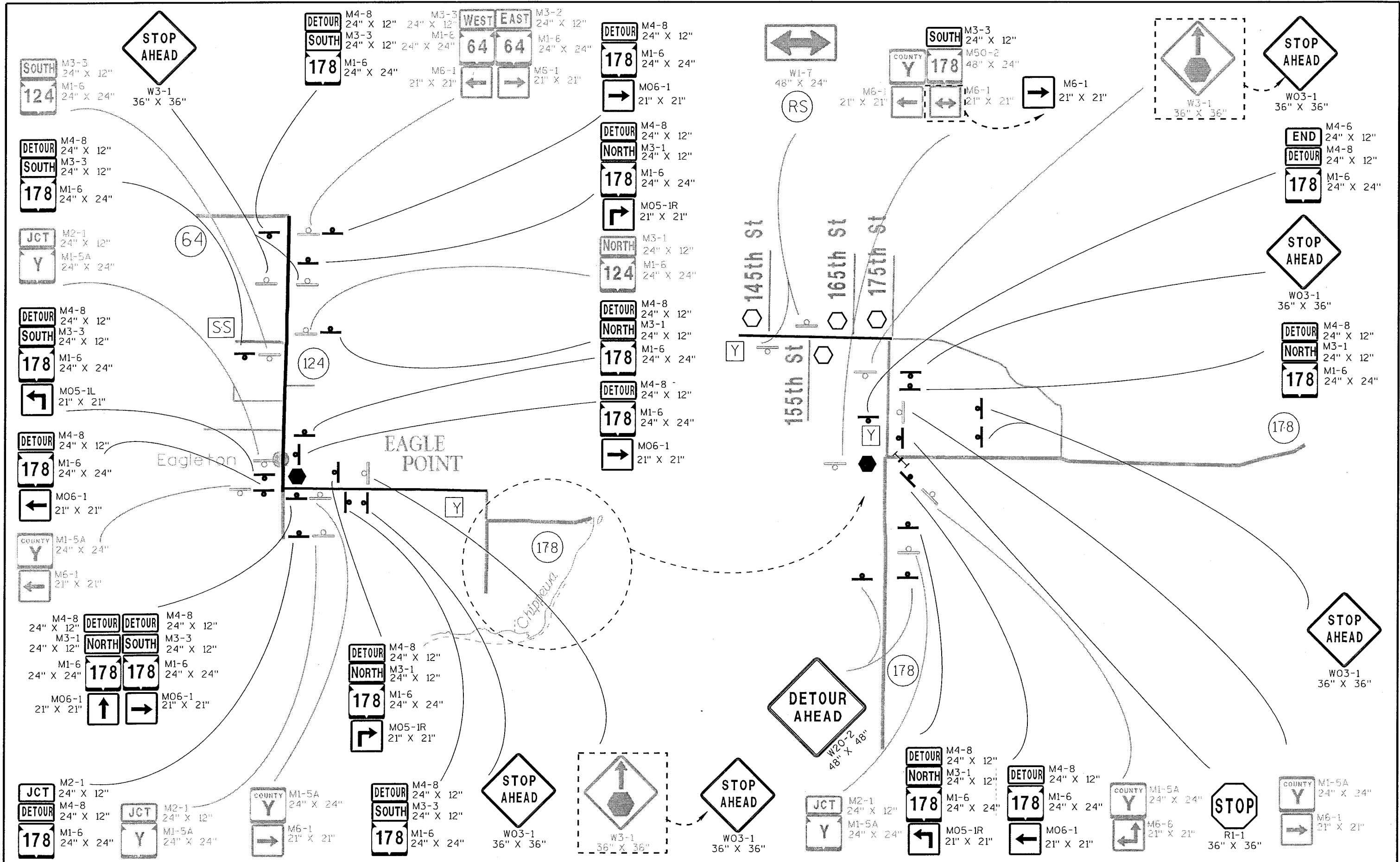
>>>> DETOUR ROUTE



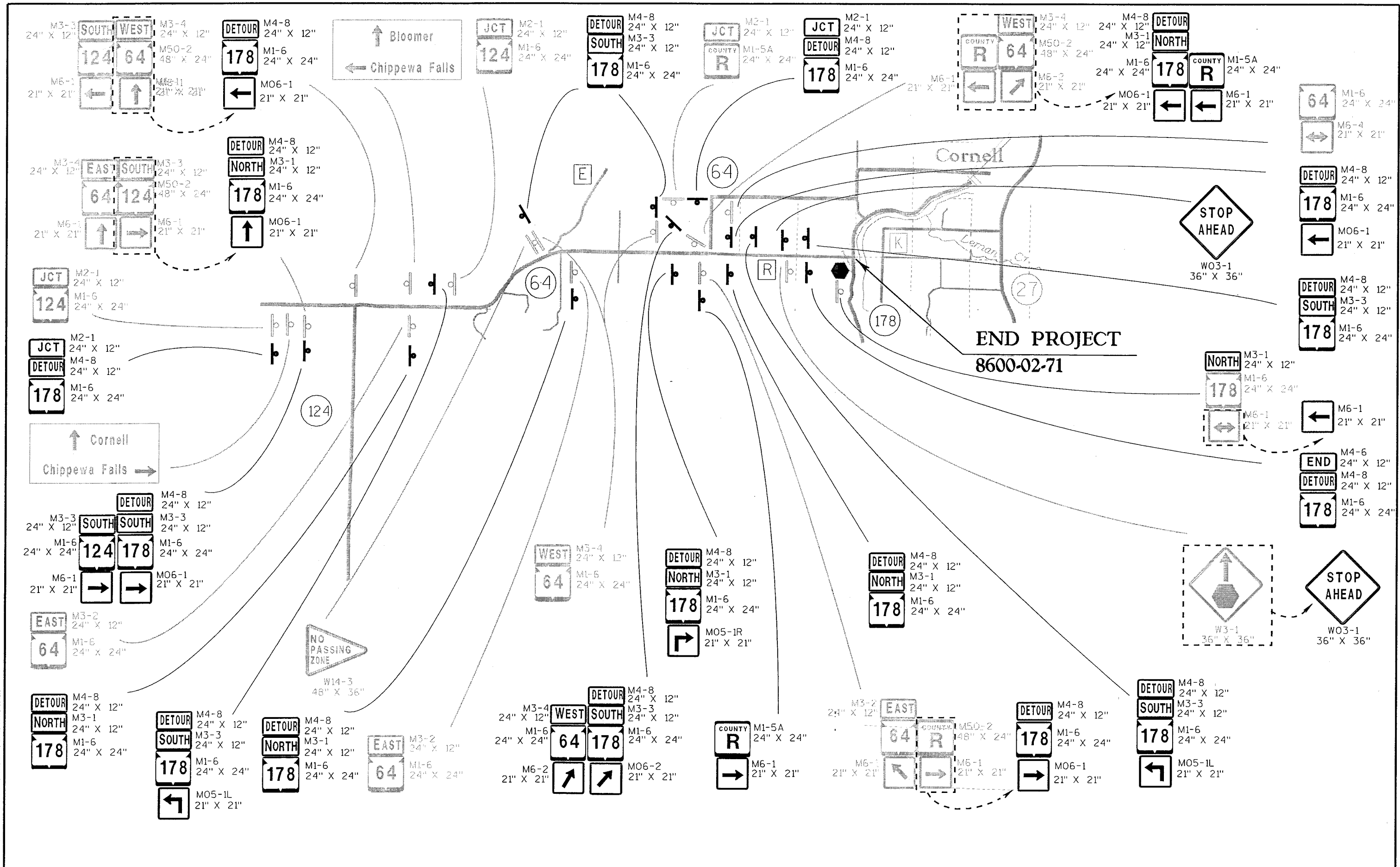
GENERAL NOTES FOR TRAFFIC CONTROL



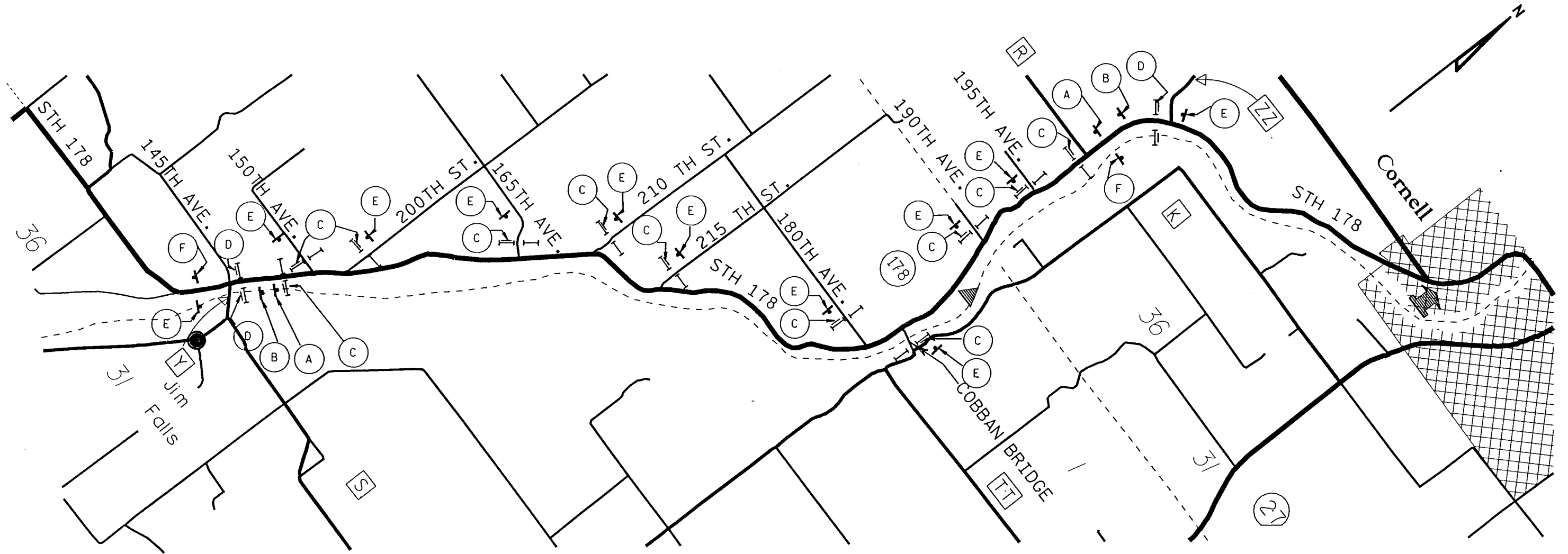
- DETOUR SOUTH 178
- M4-8 24" X 12"
- M3-3 24" X 12"
- M1-6 24" X 24"
- M05-1R 21" X 21"
- DETOUR 178
- M4-8 24" X 12"
- M1-6 24" X 24"
- M06-1 21" X 21"
- STOP R1-1 36" X 36"
- STOP AHEAD W03-1 36" X 36"



LEVELS ON : 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

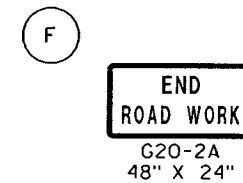
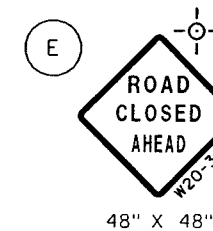
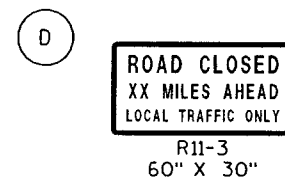
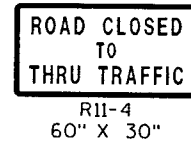
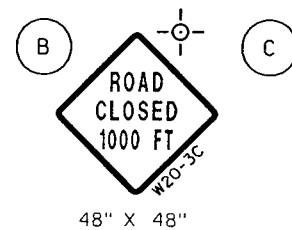
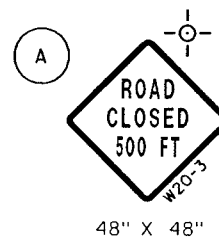


LEVELS ON - 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63



LEGEND

- POST WITH ATTACHED SIGN
- TYPE III BARRICADE
- TYPE III BARRICADE WITH SIGN



STATE PROJECT NUMBER:8600-02-71

HWY: S.T.H. 178

COUNTY:CHIPPEWA

TRAFFIC CONTROL PLAN

SCALE, FEET

SHEET NO: 44 E

FILE NAME : L:\microstation\Projects\d6-86000201\025002.TC.dgn

PLOT DATE : 10-SEP-2002 11:13

PLOT BY : ##...plotuser...## PLOT NAME :

ORG DATE :

Originator : Dist

PLOT SCALE : 1.948794:1.000000

WISDOT/CADDs SHEET 44