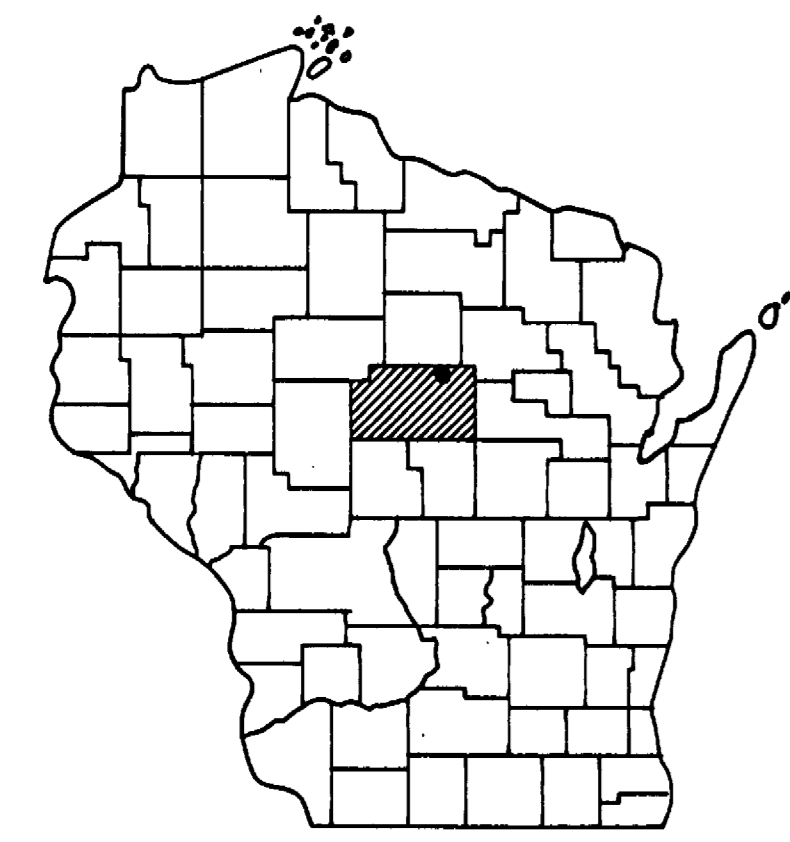


STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
9471-04-71		

INDEX OF SHEETS

Sheet No. 1	Title
Sheet No.	Typical Sections and Details
Sheet No.	Estimate of Quantities
Sheet No.	Miscellaneous Quantities
Sheet No.	Right of Way Plat
Sheet No.	Plan and Profile
Sheet No.	Standard Detail Drawings
Sheet No.	Sign Plates
Sheet No.	Structure Plans
Sheet No.	Computer Earthwork Data
Sheet No.	Cross Sections

TOTAL SHEETS =



PROJECT LOCATION

DESIGN DESIGNATION

A.D.T. (1994)	=	761
A.D.T. (2014)	=	887
D.H.V.	=	75
D.	=	60/40
T.	=	5%
V.	=	55 MPH
ESALS	=	24,966

CONVENTIONAL SIGNS

COUNTY LINE		COMBUSTIBLE FLUIDS (UNDER PRESSURE)	
CORPORATE LIMITS		UNDERGROUND UTILITIES	
PROPERTY LINE		GAS	
LOT LINE		ELECTRIC	
LIMITED HIGHWAY EASEMENT		TELEPHONE	
EXISTING RIGHT OF WAY		SERVICE PEDESTAL	
NEW RIGHT OF WAY		CABLE MARKER	
REFERENCE LINE		POWER POLE	
SLOPE INTERCEPT		TELEPHONE POLE	
ORIGINAL GROUND		RAILROADS	
MARSH OR ROCK PROFILE		MARSH	
CULVERT IN PLACE		WOODED AREA	
CULVERT REQUIRED			
CULVERT REQUIRED (Profile)			

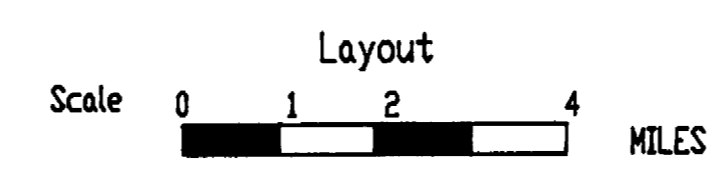
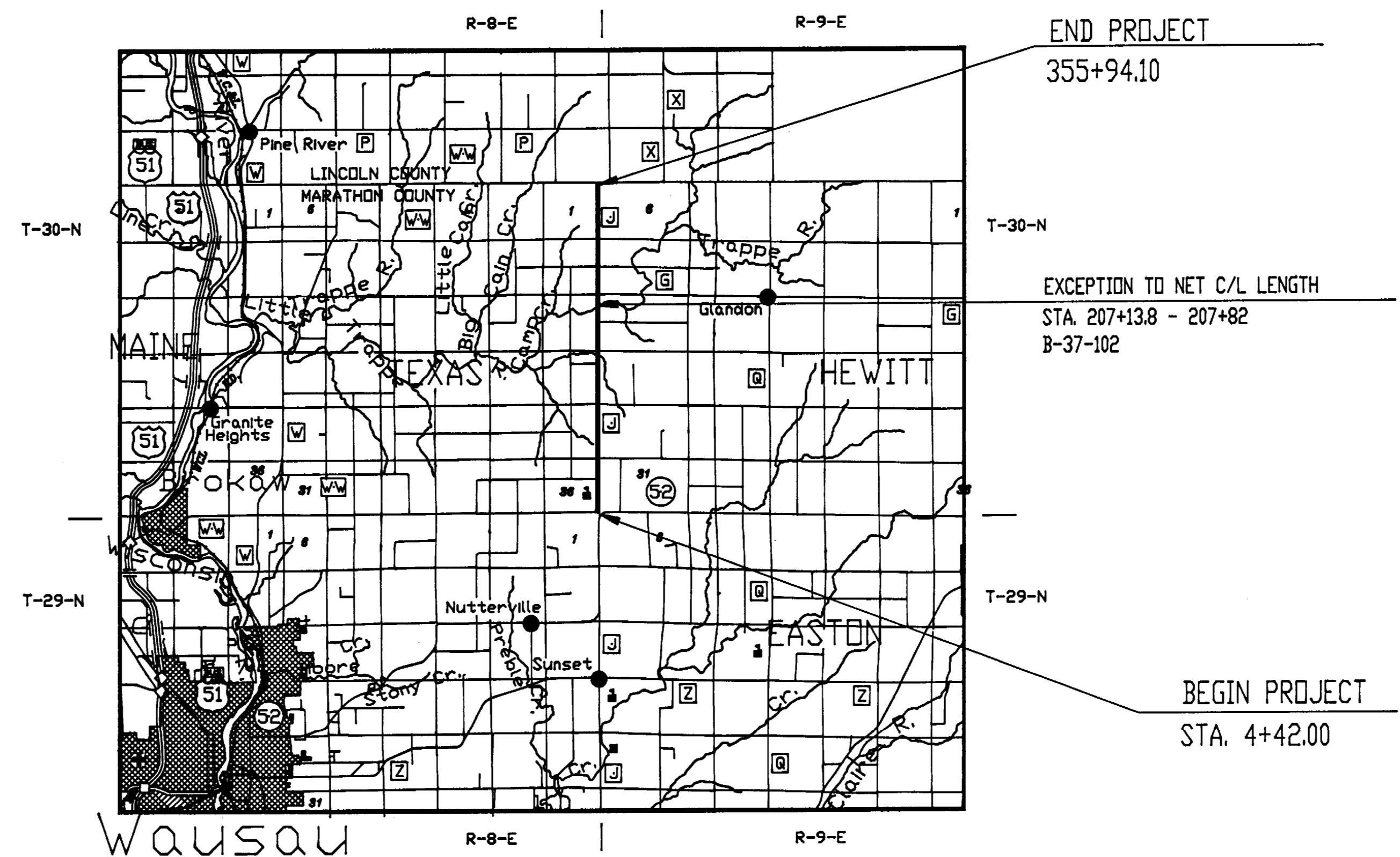
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

S.T.H. 52 - NORTH COUNTY LINE C.T.H. "J"

MARATHON COUNTY

STATE PROJECT NUMBER
9471-04-71



Total Net Length of C.L. = 6.645 Mi. (RURAL)

ORIGINAL PLANS PREPARED BY
MARATHON COUNTY HIGHWAY DEPARTMENT

1-28-94 DATE
SIGNATURE

1/28/94 DATE
HIGHWAY COMMISSIONER

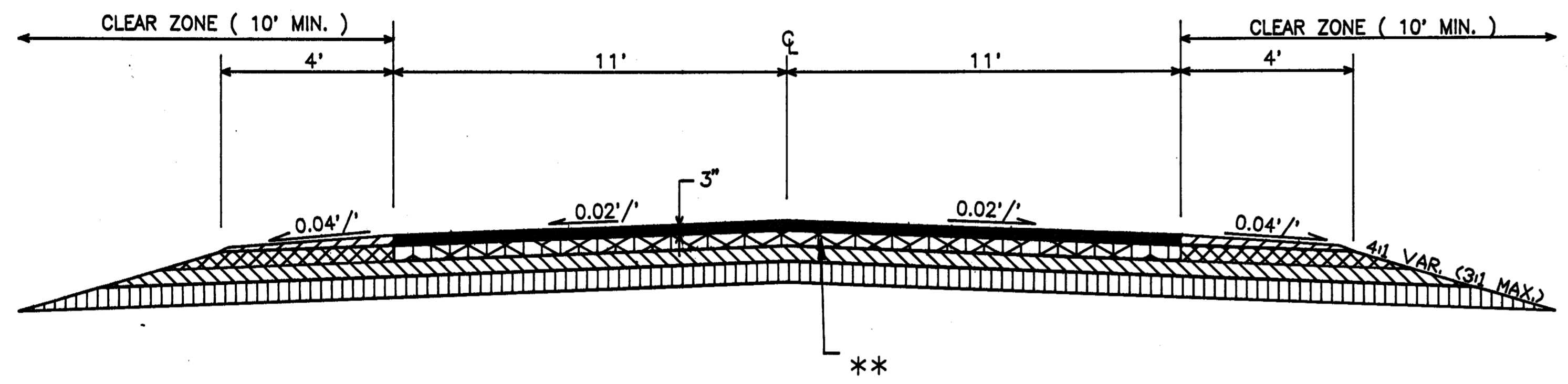
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Surveyor: MARATHON CO. District Checker: B. HODGE
Designer: MARATHON CO. C.L. Checker:
District Supervisor: K. TENEY C.L. Coordinator:

APPROVED
Date: _____ District Transportation Director

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

APPROVED
Date: _____ Division Administrator

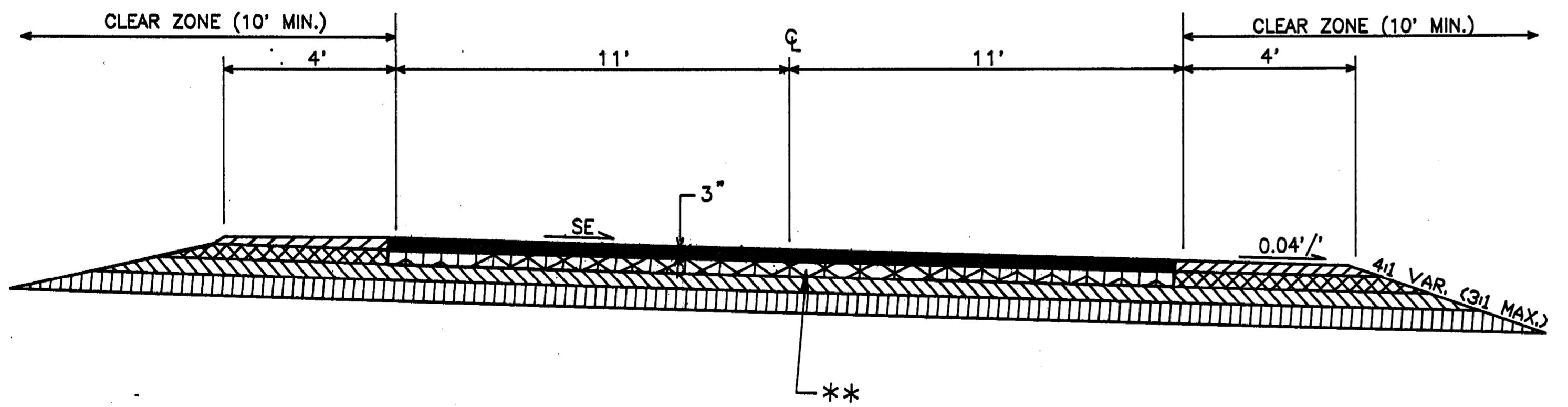


** RESHAPE AND COMPACT THIS LINE
(30' ROADWAY) WITHIN 24 HOURS OF MILLING

TYPICAL TANGENT SECTION

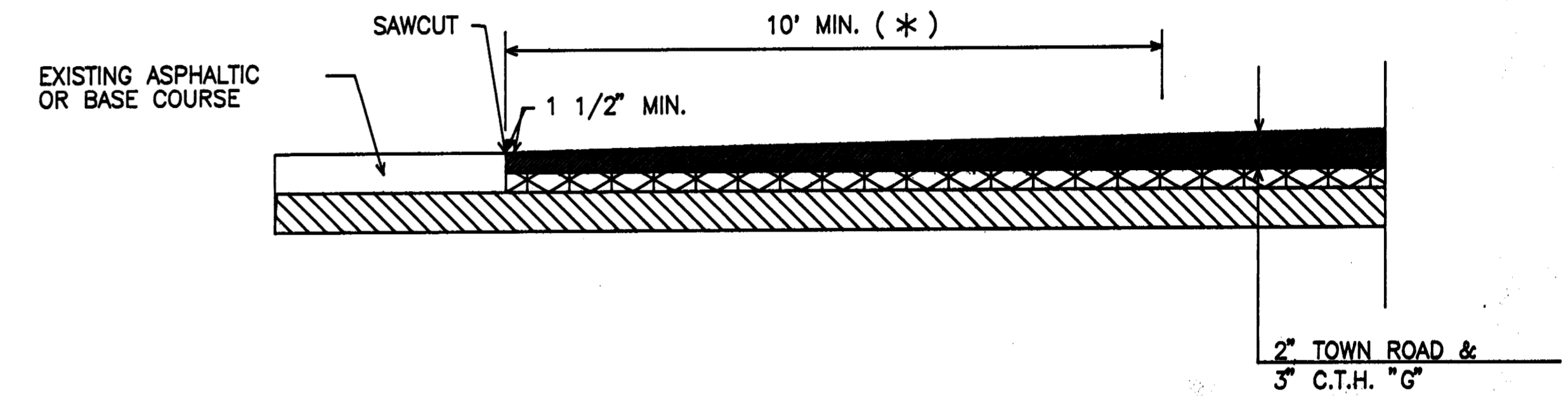
LEGEND

- SINGLE AGGREGATE ASPHALTIC PAVEMENT
- CRUSHED AGGREGATE BASE COURSE (SHOULDER MATERIAL)
- EXISTING ASPHALTIC SURFACE TO BE MILLED (SEE BORING LOG)
- EXISTING GRANITE BASE COURSES
- EXISTING SAND BASE COURSE
- EXISTING SHOULDER MATERIAL TO BE USED IN RESHAPING OF ROADWAY



** RESHAPE AND COMPACT THIS LINE
(30' ROADWAY) WITHIN 24 HOURS OF MILLING

TYPICAL SUPERELEVATED SECTION



* OR AS DIRECTED BY THE ENGINEER

DETAIL OF BUTT JOINT

UTILITIES

WISCONSIN PUBLIC SERVICE
1700 WEST SHERMAN ST.
WAUSAU, WI. 54401
ATTEN. MR. OTTO MARQUARDT
(715) 848-7315

GENERAL TELEPHONE CO.
413 MC CLELLAN ST.
WAUSAU, WI. 54401
ATTEN. MR. RON KOLTON
(715) 847-1511

GENERAL NOTES

ASPHALTIC WASTE MATERIALS RESULTING FROM VARIOUS OPERATIONS UNDER THIS CONTRACT SHALL BE ENTIRELY REMOVED AND PROPERLY DISPOSED OF AT TIME OF OCCURRENCE.

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

UNLESS OTHERWISE SHOWN ALL INTERSECTIONS SHALL BE TYPE "C" MODIFIED.

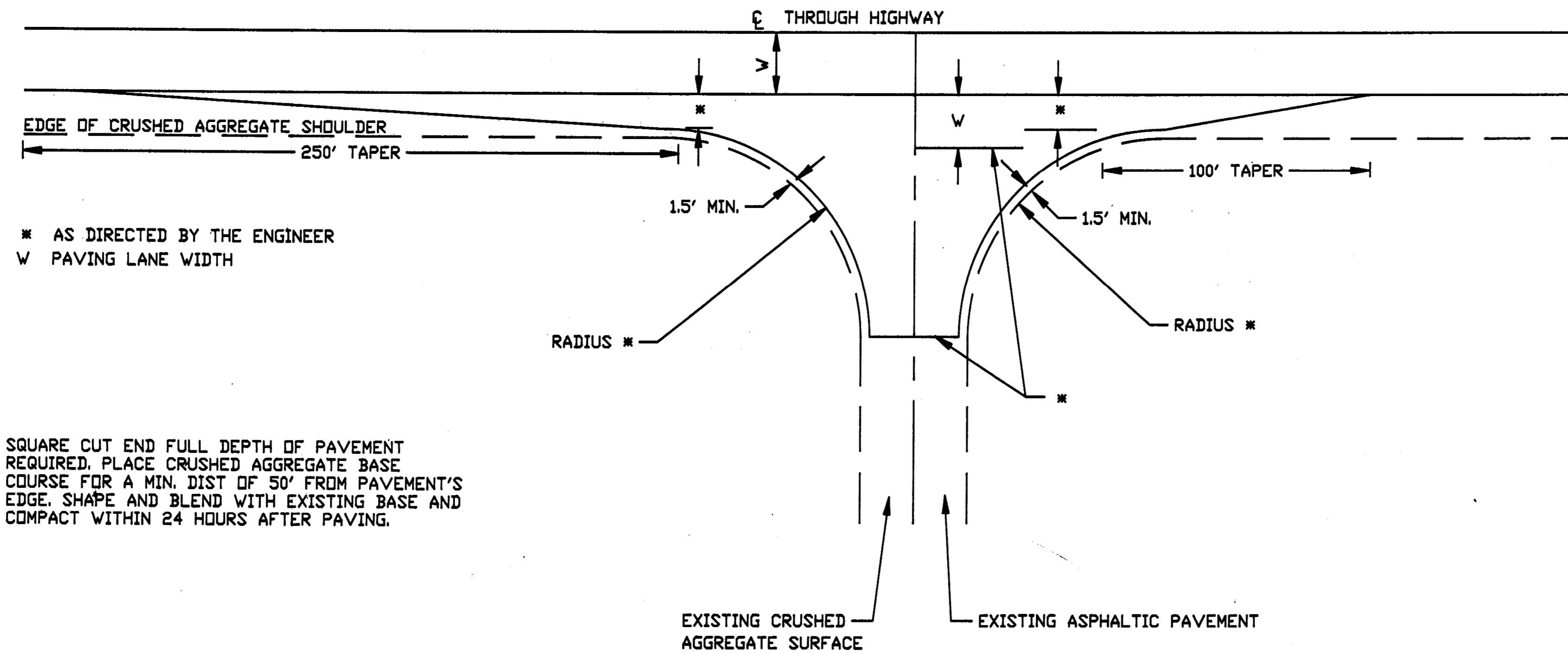
THE EXISTING ASPHALTIC SURFACE SHALL BE MILLED FULL DEPTH AND REDUCED TO THE MAXIMUM SIZE OF 1 1/2 - INCH.

THE EXACT LOCATION OF BUTT JOINTS AND THE AMOUNT OF MILLED ASPHALTIC SURFACE AT THE SIDE ROADS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

SHAPE ROADWAY OUT TO SHOULDER POINT (SEE TYPICAL)

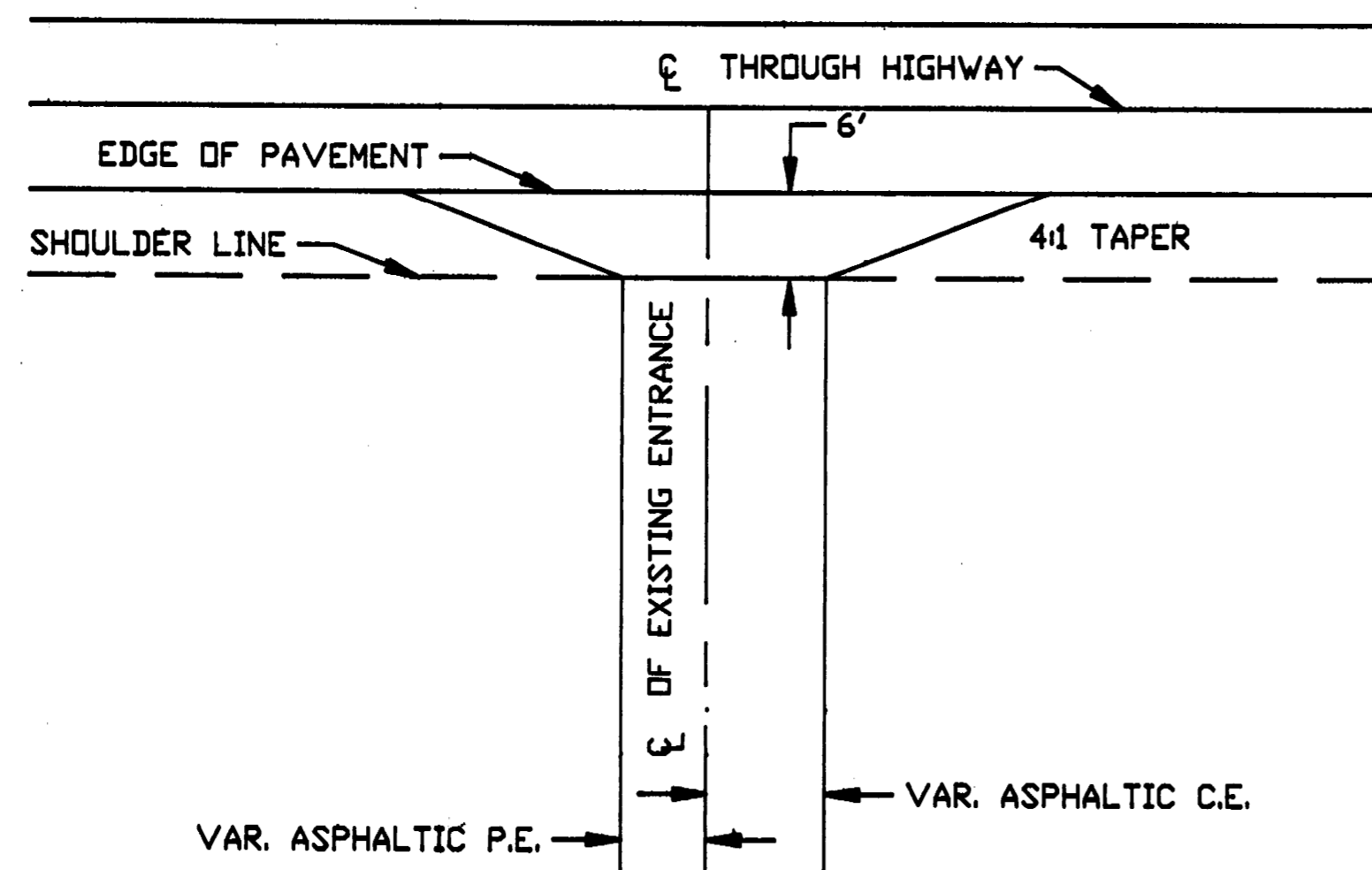
STANDARD DETAIL DRAWINGS

- 9A1-8A AT GRADE SIDE ROAD INTERSECTIONS, TYPE B, C, & D
- 15C2-2 BARRICADES AND TRAFFIC CONTROL FOR ROAD CLOSURES
- 15C8-5a PAVEMENT MARKING

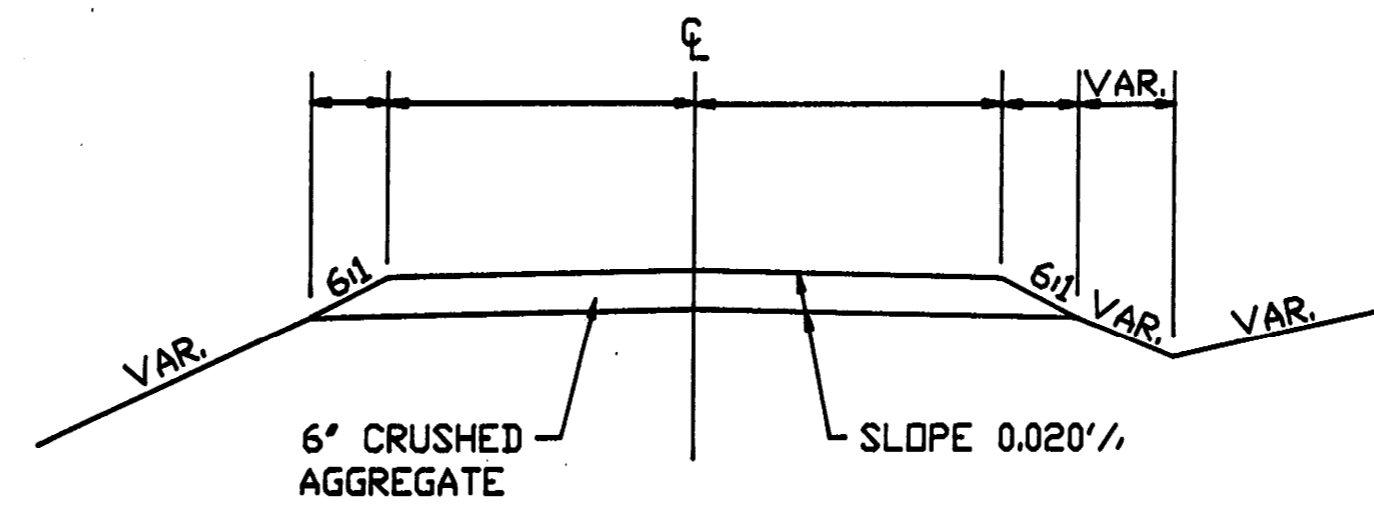


SQUARE CUT END FULL DEPTH OF PAVEMENT REQUIRED. PLACE CRUSHED AGGREGATE BASE COURSE FOR A MIN. DIST OF 50' FROM PAVEMENT'S EDGE. SHAPE AND BLEND WITH EXISTING BASE AND COMPACT WITHIN 24 HOURS AFTER PAVING.

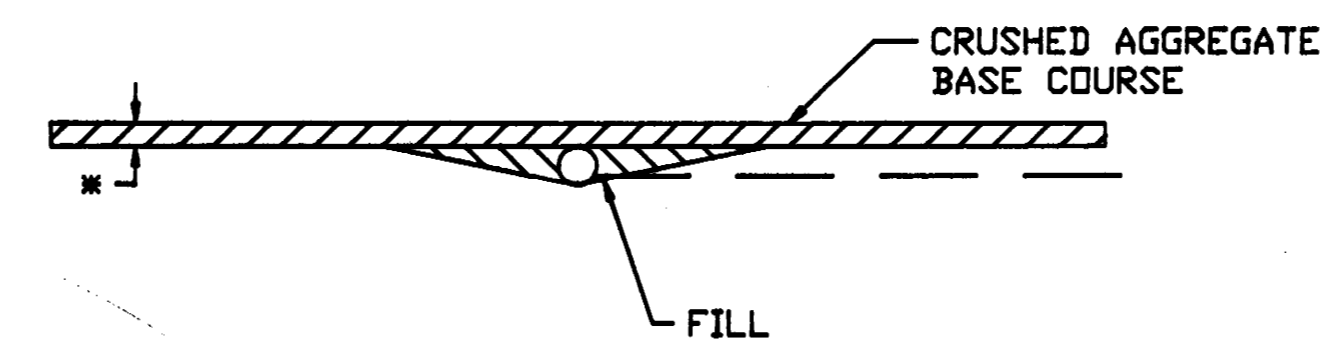
DETAIL OF INTERSECTION TYPE 'C' MODIFIED



PAVING DETAIL FOR EXISTING ASPHALTIC ENTRANCES



HALF SECTION IN FILL HALF SECTION IN CUT
TYPICAL SECTION



PROFILE VIEW
DRIVEWAY DETAIL

BORING	STATION	LEFT LANE		RIGHT LANE	
		ASPHALT	BASE	ASPHALT	BASE
1	5+00	7.25	4.00	7.00	4.00
2	10+00	7.25	4.00	7.00	4.00
3	18+00	10.25	4.00	9.25	4.00
4	23+00	7.50	4.50	7.00	4.00
5	28+00	7.50	4.00	7.25	4.00
6	40+00	10.00	4.00	9.00	4.00
7	43+00	8.00	5.00	8.00	4.00
8	48+00	6.75	5.00	7.00	4.50
9	63+00	6.00	5.00	6.00	5.00
10	74+00	6.00	6.00	6.00	6.00
11	85+00	6.00	6.00	4.00	6.00
12	101+78	5.00	6.00	4.00	7.00
13	106+00	5.00	4.00	5.00	4.00
14	116+00	4.50	5.00	5.00	4.00
15	124+00	5.00	5.00	5.00	5.00
16	132+00	4.00	4.00	7.00	4.00
17	145+00	3.50	6.00	5.00	4.00
18	159+00	6.50	4.00	8.25	4.00
19	168+00	7.00	4.00	7.00	4.00
20	188+00	5.00	4.00	5.00	4.00
21	193+00	4.00	4.00	4.50	4.00
22	203+00	4.50	5.00	4.50	4.00
23	214+00	5.00	5.00	5.00	5.00
24	223+00	4.00	5.00	4.00	5.00
25	233+00	5.00	5.00	4.00	5.00
26	246+00	4.00	5.00	4.00	4.00
27	257+00	5.00	5.00	4.50	4.50
28	268+00	7.00	5.00	7.50	5.00
29	280+00	4.50	5.00	5.00	5.00
30	287+00	4.00	5.00	4.50	5.00
31	300+00	5.00	5.50	4.50	5.00
32	311+00	4.50	5.00	5.00	5.00
33	321+00	5.00	5.00	6.00	5.00
34	330+00	5.50	5.00	5.00	5.00
35	340+00	5.00	5.00	5.00	5.00
36	347+00	5.50	5.00	5.00	5.00
37	353+00	5.00	5.00	5.00	5.00

MISCELLANEOUS QUANTITIES

* NOTE : QUANTITIES GIVEN WITH THE EXCEPTION OF STA. 207+13.80 TO STA. 207+82.00 - BRIDGE B-37-102

ASPHALTIC QUANTITIES

STATION TO STATION	TYPE LV ASPHALTIC PAVEMENT TON	ASPHALTIC MATERIAL FOR PLANT MIXES TON
4+42 - 355+94.10	14,794	888
INTERSECTIONS & DRIVEWAYS	659	40
UNDISTRIBUTED	47	2

TACK COAT

STATION TO STATION	GAL.
4+42 - 355+94.10	2,144
UNDISTRIBUTED	56

CRUSHED AGGREGATE BASE COURSE

STATION TO STATION	TON	REMARKS
4+42 - 355+94.10	4,912	SHOULDERS
INTERSECTIONS & DRIVEWAYS	862	
UNDISTRIBUTED	26	

SAWING & REMOVING ASPHALTIC SURFACE, BUTT JOINTS

STATION	LOCATION	SAWING L.F.	BUTT JOINT REMOVAL S.Y.	REMARKS
4+42.00	CL	22	50	C.T.H. "J"
41+29.00	LT	22	50	QUARRY ROAD
245+79.80	RT	22	50	C.T.H. "G"
245+79.80	LT	22	50	ROCKY RIDGE ROAD
355+94.10	CL	22	50	C.T.H. "J"
DRIVEWAYS	LT&RT	44	100	
UNDISTRIBUTED		6		

PAVEMENT MARKING, HOT PAINT

TYPE	4" YELLOW L.F.	4" WHITE L.F.
NO PASSING	32,394	
PASSING	9,478	
EDGE LINE		68,948
UNDISTRIBUTED	28	2

TRAFFIC CONTROL

ITEM	QUANTITY	TOTAL DAYS
W20-3	6	240
W20-1	10	400
R11-4	12	480
G20-2	12	480
TYPE "A" WARNING LIGHTS	34	1,360
BARRICADES, TYPE 3	16	640

TEMPORARY PAVEMENT MARKINGS

STATION TO STATION	4" YELLOW L.F.	REMARKS
4+42 - 355+94.10	5,600	INCLUDES QUANTITY FOR SURFACE COURSE

PULVERRIZE, RELAY AND SHAPE EXISTING SURFACE

STATION TO STATION	LENGTH, STA.
4+42 - 355+94.10	350.83

LOCATE NO PASSING ZONES

STATION TO STATION	LENGTH, MI.
4+42 - 355+94.10	6.645

