

FHWA REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87-N-0223-01	2002	32	56

GENERAL NOTES - SIGNING

NOTE: REFERENCES BELOW TO "STANDARD SPECIFICATIONS" DENOTE "STANDARD SPECIFICATION FOR STATE ROAD AND BRIDGE CONSTRUCTION EDITION 1990" BY THE KANSAS DEPARTMENT OF TRANSPORTATION.

- POST ANCHORS: POSTS SHALL BE ANCHORED WITH A YIELDING BASE POST SUPPORT AS DETAILED.
- POSTS FOR TRAFFIC CONTROL SIGNS: POSTS SHALL CONFORM TO THE REQUIREMENTS OF SUBSECTION 1620 OF THE STANDARD SPECIFICATIONS EXCEPT THAT ALL POSTS SHALL WEIGH 4.46kg./m MINIMUM.
- STREET NAME SIGNS (SNS) SHALL BE POSITIONED SO THAT THE BOTTOM OF THE BLADES ARE 2.1M ABOVE GRADE.
- POSTS FOR END OF ROADWAY SIGN TO BE 2.4M LONG AND INSTALLED A MINIMUM OF 1.2M FROM ROADWAY TO BOTTOM OF SIGN.
- SIGN BLANKS FOR TRAFFIC CONTROL SIGNS: SIGN BLANKS SHALL BE FABRICATED FROM 0.203CM ALUMINUM ALLOY 6063-T6 CONFORMING TO THE REQUIREMENTS OF SUBSECTION 1626 OF THE STANDARD SPECIFICATIONS.
- SIGN BLADES FOR STREET NAME SIGNS: EXTRUDED ALUMINUM BLADES SHALL BE ALUMINUM ALLOY CONFORMING TO 6063-T6 OR 5052-H38 (ASTM SPECIFICATION B221, LATEST ISSUE). BLADES SHALL HAVE AN ALODINE OR PHOSPHATE ETCHED FINISH. BLADES SHALL HAVE SQUARE CORNERS AND NO HOLES.

MINIMUM BLADE LENGTH SHALL BE 600mm. MAXIMUM BLADE LENGTH SHALL BE 1200mm. LENGTH VARIES BY INCREMENTS OF 150mm.

BLADES BEARING THE STREET NAMES SHALL BE FIRMLY ATTACHED TO THE MOUNTING BRACKETS USING SCREWS. THE BLADES SHALL BE ORIENTED PARALLEL TO THE STREET.

- MOUNTING BRACKETS FOR SIGNS: ALUMINUM BRACKETS SHALL BE ALUMINUM ALLOY 360 HAVING A TENSILE STRENGTH OF 44,000 PSI. THE BRACKETS SHALL BE SMOOTHLY FINISHED FREE OF PITS, BURRS, AND FLAWS.
- FASTENERS: ALL STEEL FASTENERS FOR TRAFFIC CONTROL SIGNS SHALL BE GALVANIZED AND SHALL CONFORM TO THE REQUIREMENTS OF SUBSECTION 1614 OF THE STANDARD SPECIFICATIONS.
- REFLECTIVE SHEETING: REFLECTIVE SHEETING SHALL BE TYPE II - HIGH PERFORMANCE CLASS HA IN ACCORDANCE WITH SUBSECTION 2201 OF THE STANDARD SPECIFICATIONS.

- PROCESS INK: ALL PROCESS INK SHALL CONFORM TO THE REQUIREMENTS OF SUBSECTION 2202 OF THE STANDARD SPECIFICATIONS.
- DETAILS: REGULATORY AND WARNING SIGNS SHALL CONFORM TO THE DETAILS IN "STANDARD HIGHWAY SIGNS", FHWA, 1979.

- THE REFLECTIVE SHEETING FOR THE 230mm METRO SIZE SNS IS TO BE THE HIGHWAY GREEN BACKGROUND WITH SILVERWHITE #2 COPY WITH 130mm UPPER CASE AND LOWER CASE PRIMARY COPY AND SUFFIX COPY, BOTH SERIES "C". THE CARDINAL DIRECTION CENTERED DIRECTLY BELOW THE BLOCK NUMBER SHALL BE AN UPPER CASE, 75mm SERIES "C" LETTER. FACES TO TRIM TO A 216mm WIDTH. (SEE DETAIL B.)

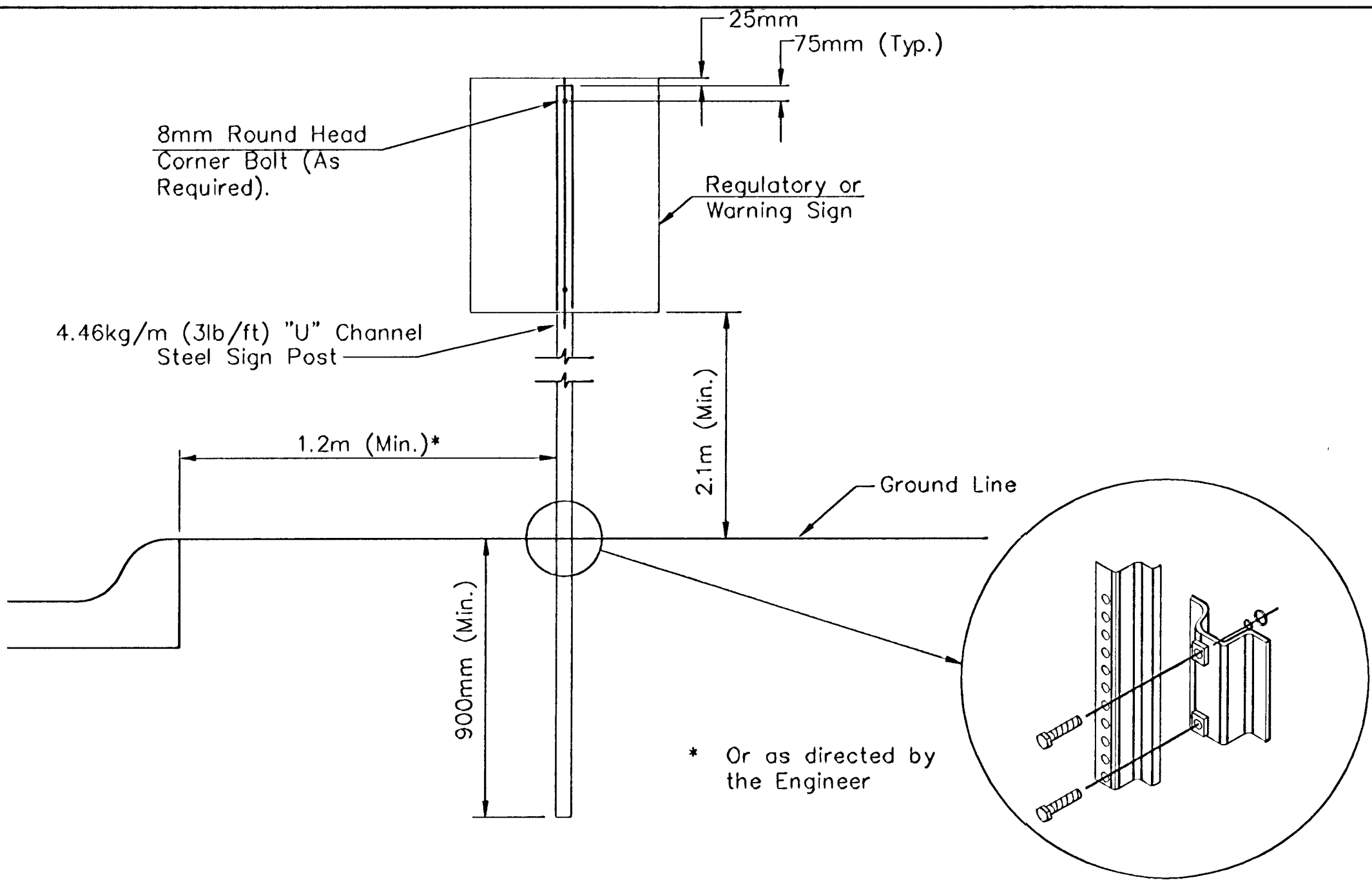
SHOP DRAWINGS OF LAYOUT FOR SNS SHALL BE SUBMITTED TO THE TRAFFIC ENGINEERING DIVISION OF THE CITY OF WICHITA FOR APPROVAL PRIOR TO FABRICATION. THE FINISHED SIGNS AS SUPPLIED SHALL BE OF GOOD APPEARANCE, FREE FROM RAGGED EDGES, CRACKS SCALES OR DISCOLORATION AND SHALL BE CLEAN-CUT. SIGNS SHALL BE PACKED IN SUCH MANNER AS TO PREVENT DAMAGE OR DEFACEMENT DURING SHIPMENT OR STORAGE.

- PERMANENT TRAFFIC CONTROL AND SNS: PERMANENT TRAFFIC CONTROL AND SNS SHALL BE MEASURED AND PAID FOR AT THE LUMP SUM PRICE FOR SIGNING. THE PAYMENT AS SET FORTH ABOVE SHALL BE CONSIDERED FULL COMPENSATION FOR ALL EXCAVATION, BACKFILLING, POSTS, ANCHORS, FASTENERS, MATERIALS, LABOR, TOOLS AND INCIDENTALS NECESSARY TO COMPLETE THIS WORK.

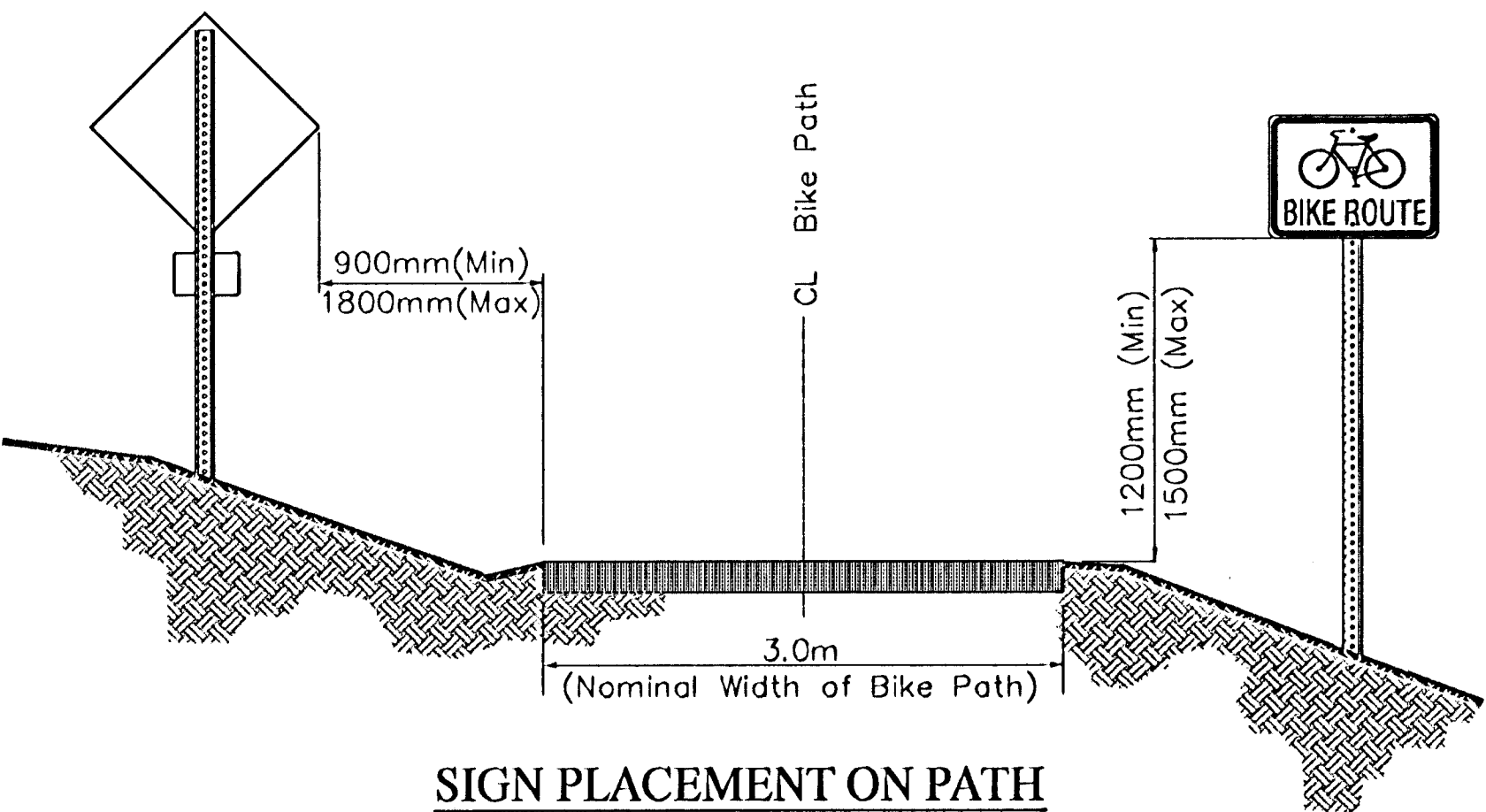
GENERAL NOTES - MARKING

- All pavement markings shall conform to the current standards set forth in the latest publication of the "Manual on Uniform Traffic Control Devices".
- All pavement markings shall be the "Cold-laid Plastic Tape" type or Thermoplastic type, (white and yellow), meeting the required specifications of the Engineering Division, City of Wichita, Kansas.
- Installation of marking tapes on other than new asphaltic concrete pavement (i.e. concrete pavements; existing A.C. surfaces, etc.) shall be accomplished in accordance with installation specifications for cold-laid markings.
- Where new asphaltic concrete pavement is being constructed, the cold laid markings shall be installed while the new wearing surface is still warm (at least 130°F) and rolled, so as to inlay the pavement markings into the new pavement surface.

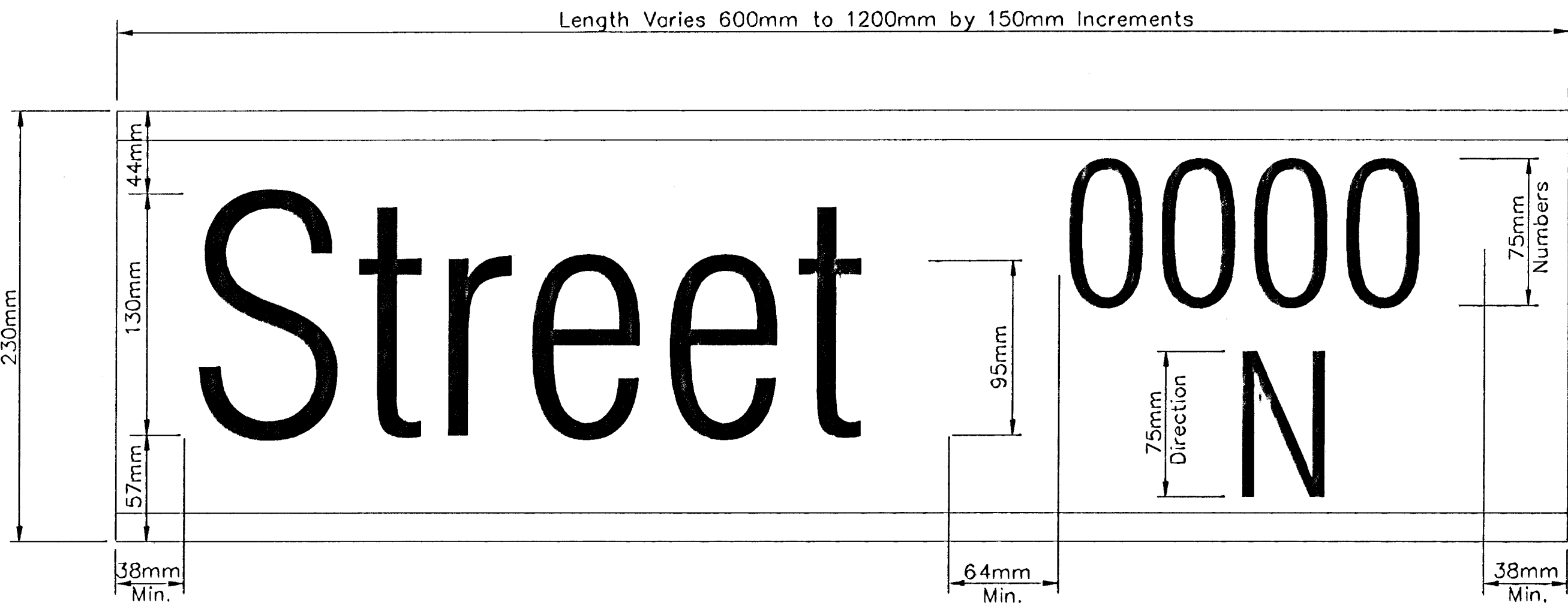
STREET NAME	NO. BLADES REQ'D	
	170mm STD.	230mm METRO
Harry	700W	2
McLean Blvd. 1500S		1
McLean Blvd. 1600S		1



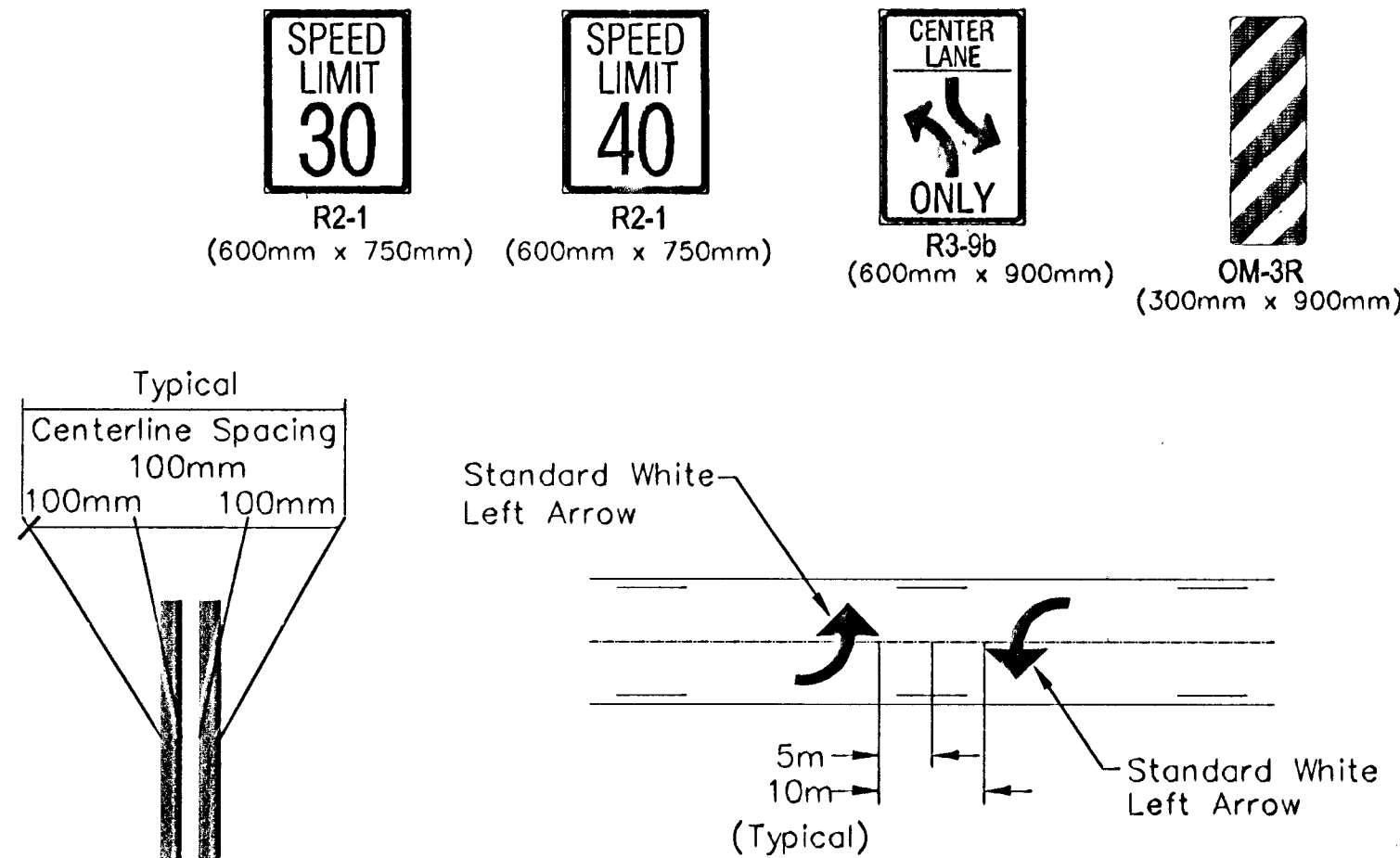
**TYPICAL TRAFFIC CONTROL SIGN MOUNTING INSTALLATION
CURB AND GUTTER SECTION**



SIGN PLACEMENT ON PATH

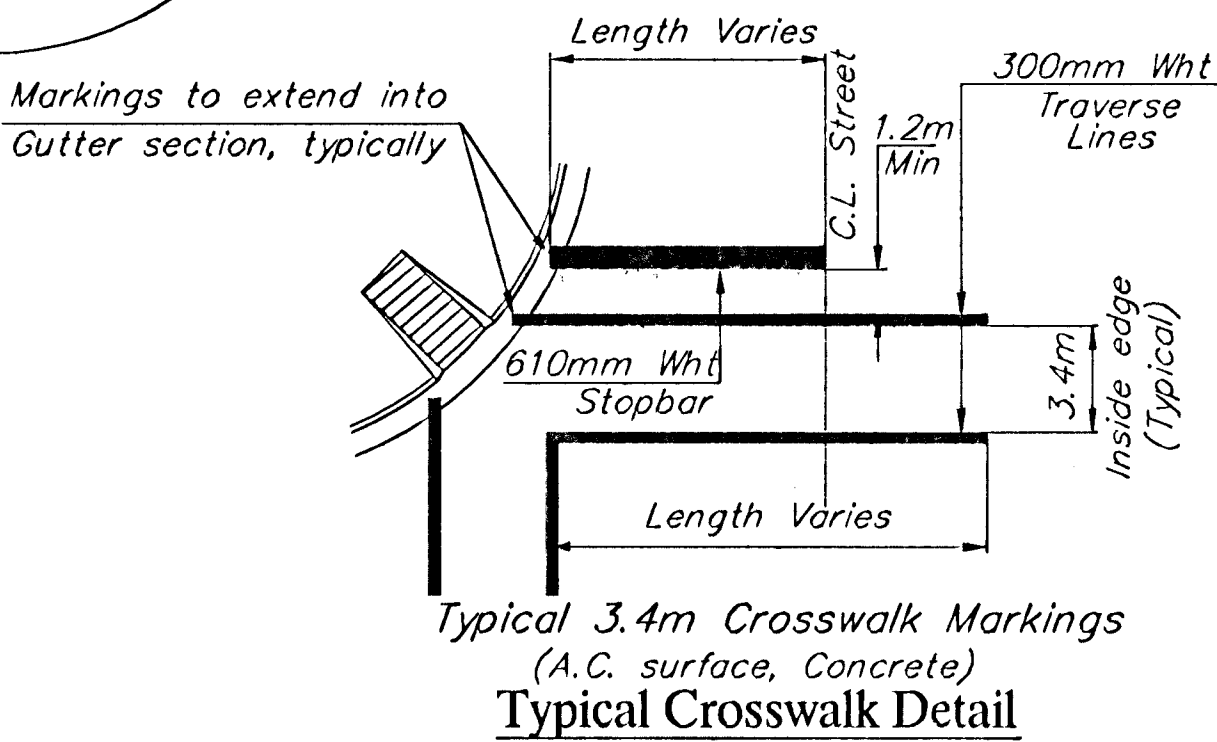


**DETAIL B
230mm METRO**



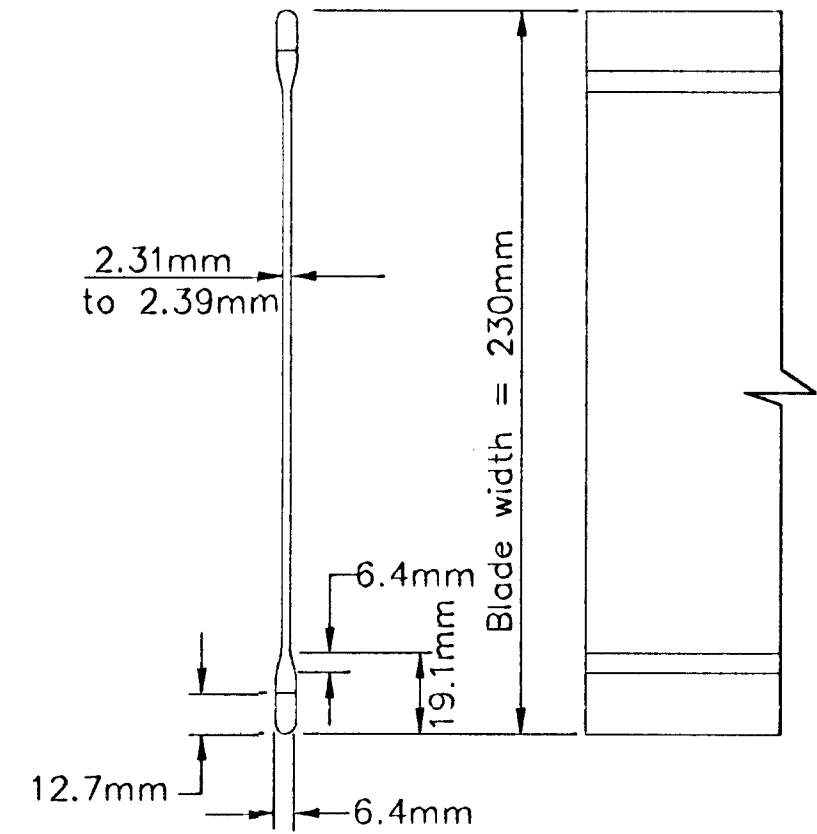
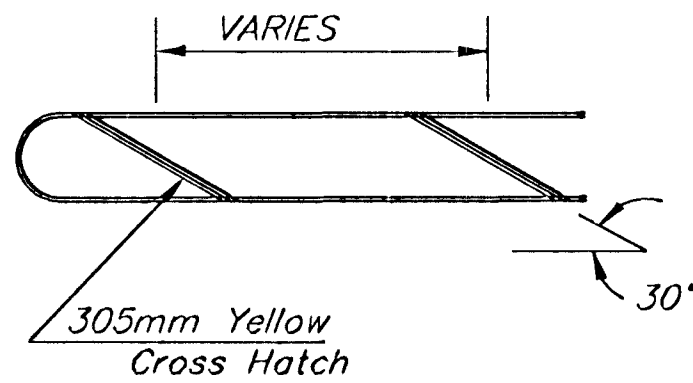
**Double Yellow
Centerline Marking**

DUAL OPPOSING LEFT TURNS



MARKING QUANTITIES THIS PROJECT		
ITEMS	TOTAL	UNITS
PLASTIC MARKING (150mm WHITE)	294.0	m
PLASTIC MARKING (200mm WHITE)	-	m
PLASTIC MARKING (810mm WHITE)	47.4	m
PLASTIC MARKING (100mm YELLOW)	1368.8	m
PLASTIC MARKING (300mm YELLOW)	62.5	m
PLASTIC MARKING (100mm WHITE)	70.0	m
PLASTIC MARKING (300mm WHITE)	28.0	m

* FOR INFORMATION ONLY



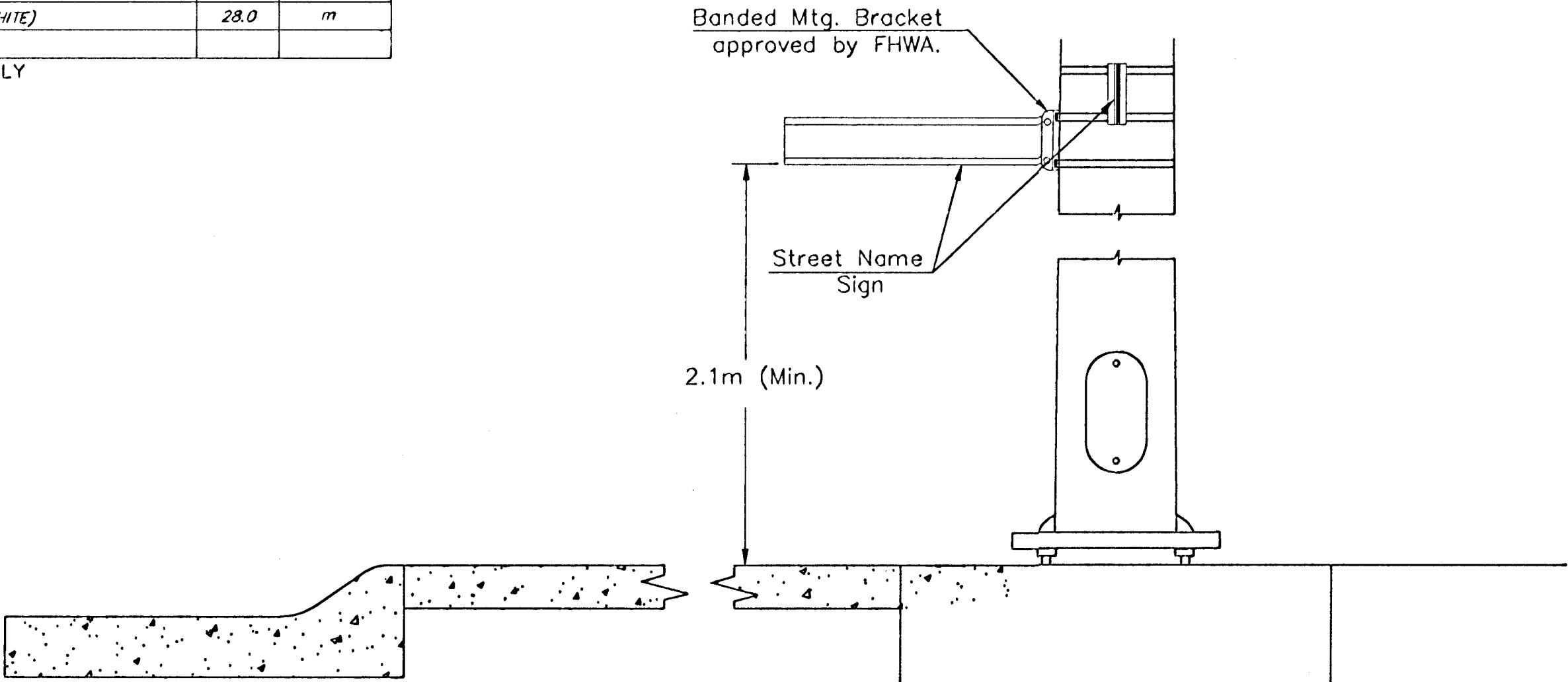
**STREET NAME SIGN
BLADE DETAILS**

SIGN ASSEMBLY TABLE			
STATION	OFFSET	SIGN	QUANTITY*
BL'A'Sta. 0+371.0	8.8m Rt.	R3-9b	1
BL'A'Sta. 0+413.2	11.4m Lt.	R3-9b	1
BL'A'Sta. 0+422.0	10.3m Lt.	R2-1	1
BL'A'Sta. 0+478.9	30.5m Rt.	R2-1	1
BL'A'Sta. 0+482.1	5.9m Lt.	0-3(230mm Metro)	2
BL'B'Sta. 1+014.8	9.4m Rt.	0-3(230mm Metro)	2
BL'B'Sta. 1+067.0	13.4m Rt.	R2-1	1
BL'B'Sta. 1+176.8	9.2m Rt.	OM-3R	1
BL'B'Sta. 1+180.0	7.6m Rt.	OM-3R	1
BL'C'Sta. 2+426.0	7.6m Lt.	R2-1	1
TOTAL			12

* FOR INFORMATION ONLY

SIGNING QUANTITIES THIS PROJECT				
TYPE	SIGN FACE DESCRIPTION	SIZE	INSTALL	RELOCATE
D-3	STREET NAME SIGN ASSEMBLY	230mm (METRO)	4	
R2-1	SPEED LIMIT (40)	600mm x 750mm		2
R2-1	SPEED LIMIT (30)	600mm x 750mm		2
R3-9b	DUAL OPPOSING LEFT TURNS	750mm x 900mm	2	
OM-3R	TYPE 3 OBJECT MARKER	300mm x 900mm	2	

* FOR INFORMATION ONLY



TYPICAL STREET NAME SIGN MOUNTING INSTALLATION

PROJECT NUMBER 472-83781	SHEET NAME Msnset	ENGINEERING DIRECTORY F:\HarryMcLean\Traffic
DESIGN STAFF	DRAWN STAFF	APPROVED JFB
DATE Aug 2003	SCALE NONE	BAUGHMAN NO 01-03-E943

CAPITAL IMPROVEMENT PROJECT
MARKING & SIGNING DETAIL
HARRY & MCLEAN INTERSECTION IMPROVEMENTS

BAUGHMAN COMPANY, P.A.
ENGINEERING, SURVEYING, & PLANNING
318-282-7271 • 315 ELIUS • WICHITA, KANSAS 67211

SHEET
32
OF
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