



12 APR 2016

Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
OFFICE OF THE SECRETARY
Manila

097.130 PWH
04-13-2016

DEPARTMENT ORDER)
NO. **79**)
Series of 2016)

SUBJECT: Minimum Horizontal and Vertical Clearances for Welcome Arches/Overhead Boundary Markers, Overhead Utilities and Power Lines Crossing and Along National Highways

To ensure that construction of welcome arch/overhead boundary marker structures and installation of overhead utility and power lines across and along national highways will provide sufficient horizontal and vertical clearances, the following guidelines with typical sections are hereby prescribed:

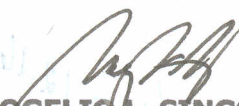
A. Welcome Arch/Overhead Boundary Marker:

1. To give allowance for future road improvement and widening, welcome arch's/overhead boundary marker's posts shall be located at 2.0m setback from the road right-of-way (RROW) limit to give allowance for the space allotted for underground utilities per D.O. No. 26, s. 2011, re: Policy on Diggings/Excavations by Private and Public Utilities on National Roads, as shown in Typical Sections 1 and 2, Annex "A").
2. Welcome arch/overhead boundary marker shall be provided with minimum vertical clearance of 5.33m from the roadway surface as shown in Annexes "A" and "B".
3. On critical fill slope (where vehicles have high propensity to overturn) and on non-traversable cut slope, welcome arch's/overhead boundary marker's posts may be allowed along the edge of the shoulder provided the posts shall be shielded with appropriate barrier, (Typical Sections 3 and 4, Annex "B").
4. On road sections where there are RROW constraints, like in urban areas, posts shall be located along the edge of the sidewalk, (Typical Section 5, Annex "C").

B. Overhead Utilities and Power Lines:

1. For overhead utility and power lines crossing the roadway where traffic comprise of trucks, vertical clearance shall not be less than 5.50m meters from the roadway surface to the calculated lowest point of cable sag, (Typical Section 6 , Annex "D").
2. Along the roadway and on areas designated for and frequented by pedestrians, minimum vertical clearance of 4.88m from the surface of the sidewalk is prescribed, (Typical Section 7, Annex "D").

For strict compliance of all concerned.

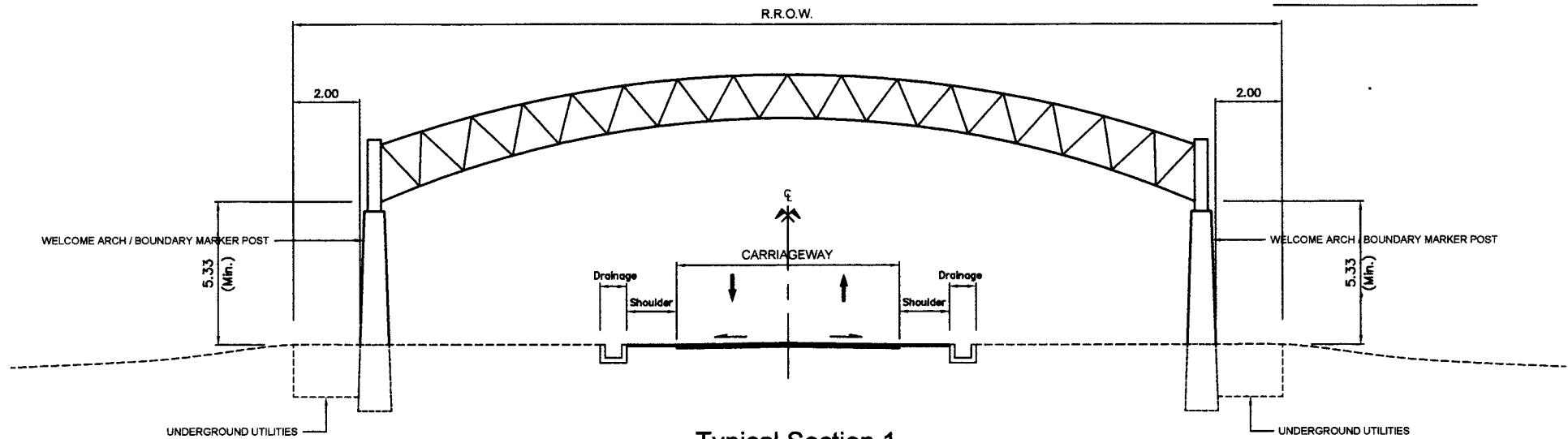

ROGELIO L. SINGSON
Secretary

Department of Public Works and Highways
Office of the Secretary

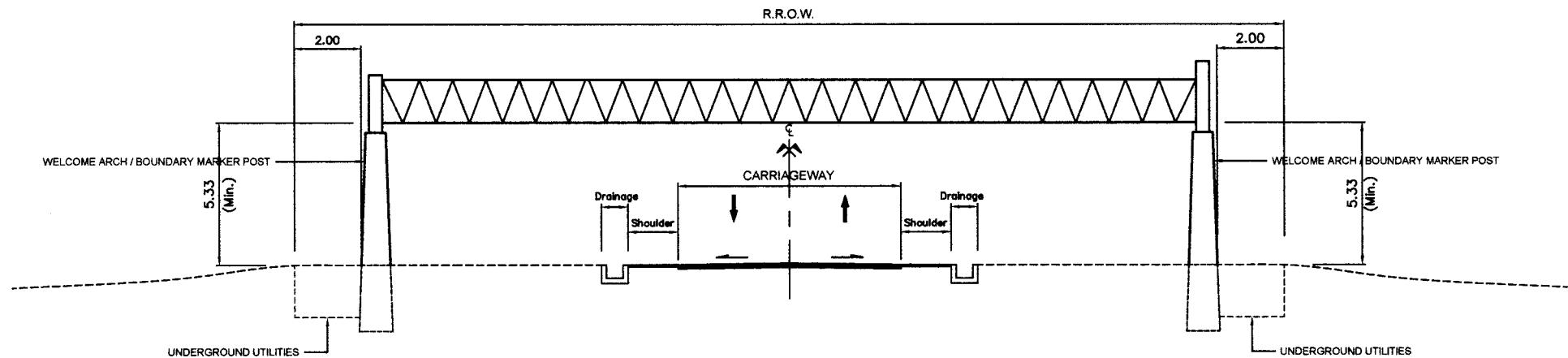


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ANNEX "A"



Typical Section 1
With Allowance For Future Widening

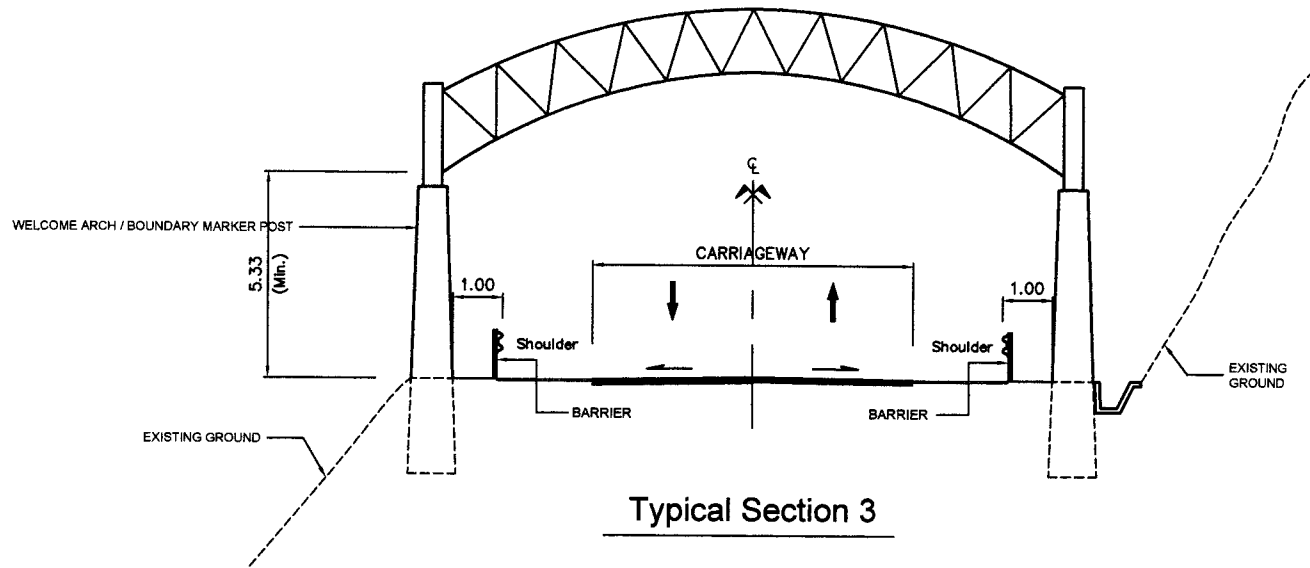


Note:

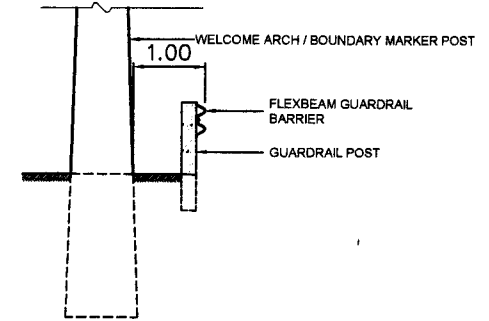
1. All dimensions are in meter (m), unless otherwise specified.

Typical Section 2
With Allowance For Future Widening

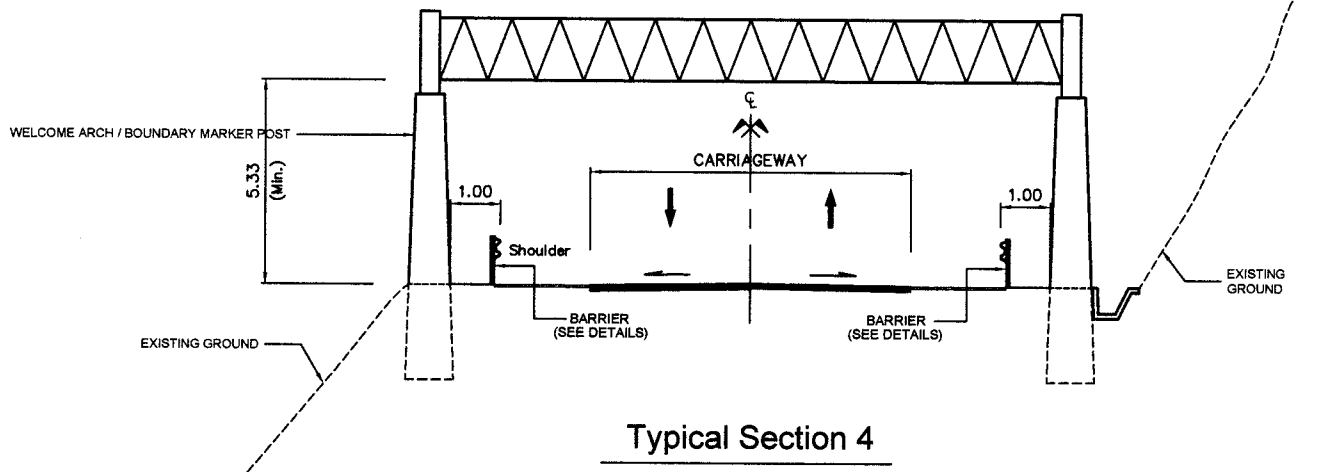
ANNEX "B"



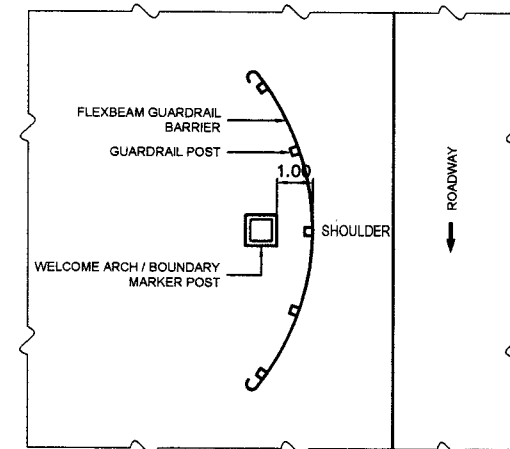
Typical Section 3



Section



Typical Section 4



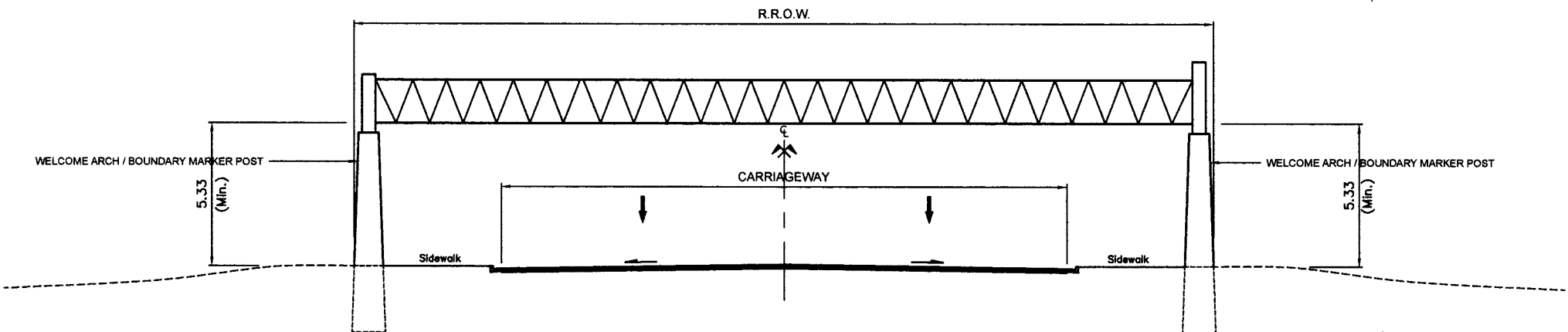
PLAN

DETAILS

Note:

1. All dimensions are in meter (m), unless otherwise specified.

ANNEX "C"

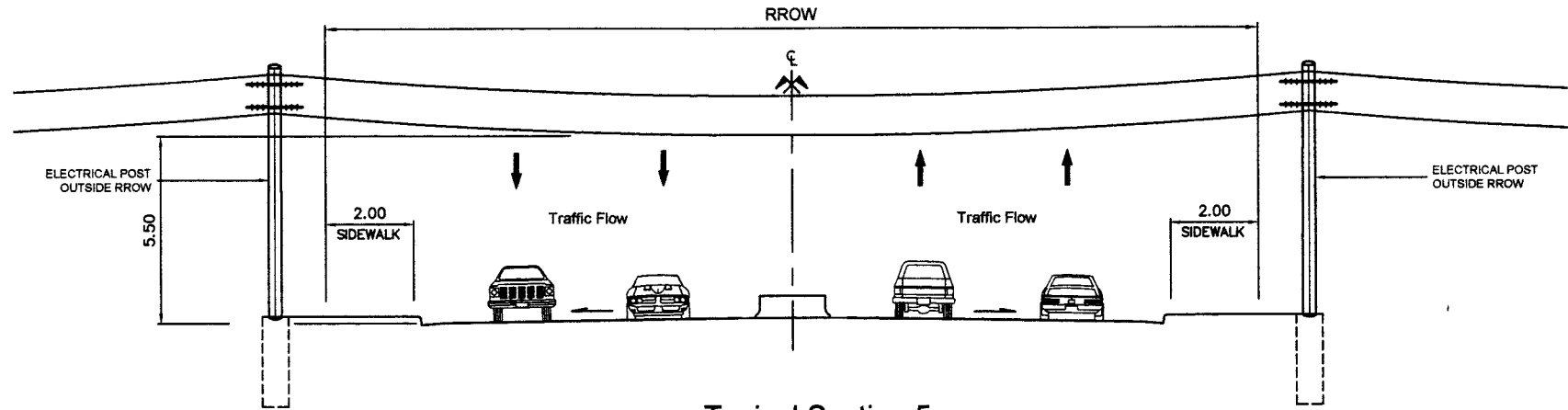


Typical Section 5
Urban Area with RROW Constraint

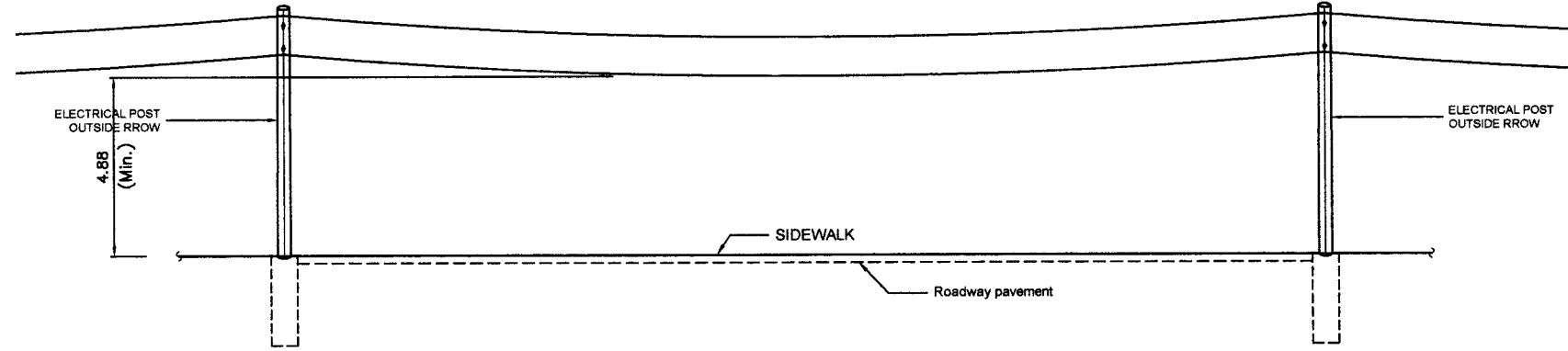
Note:

1. All dimensions are in meter (m), unless otherwise specified.

ANNEX "D"



Typical Section 5
Utility / Power Lines Crossing the Roadway



Typical Section 6
Utility / Power Lines Along the Roadway

Note:

1. All dimensions are in meter (m), unless otherwise specified.

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