

SHOULDER

SEE 813001 FOR LOOP DETAIL

SEE 813011 FOR PIEZO DETAIL

12 [3.66] TYP

12 [3.66] TYP

12 [3.66] TYP

12 [3.66] TYP




6 [1.83] MIN TYP

SHOULDER

1.5 [0.46] MIN
3 [0.91] MAX.

1.5 [0.46] MIN
3 [0.91] MAX.

NOTES: (THIS SHEET ONLY)

-  CABINET WITH WIM ELECTRONICS.
-  CABINET BASE.
-  200' MAXIMUM LENGTH OF SENSOR TO ELECTRONICS. LONGER DISTANCES MUST BE APPROVED BY IRD.

LEGEND:

- L - INDUCTIVE LOOP
- P - PIEZO SENSOR

GENERAL NOTES:

TYPICAL LAYOUT IS SHOWN. OTHER SENSORS MAY BE REQUIRED AND ARE SHOWN IN PROJECT DOCUMENTATION.

SENSOR SPACING SHOWN IS TYPICAL SPACING REQUIREMENT, ACTUAL SENSOR SPACING MAY BE ALTERED TO SUIT SITE CONDITIONS BY THE IRD FIELD REPRESENTATIVE.

ALL CONNECTIONS BETWEEN SENSORS AND LEAD CABLES ARE DONE IN PULL BOX AND ARE SOLDERED THEN SEALED FOR WATERPROOFING. NUMBER AND PLACEMENT OF PULL BOXES NOT SHOWN.

ROAD SURFACE PAVEMENT CONDITIONS MUST MEET CURRENT ASTM E1318 REQUIREMENTS TO ACHIEVE OPTIMAL SYSTEM PERFORMANCE.

PIEZO SENSORS MUST BE A MINIMUM OF 18" [0.45m] AWAY FROM CRACKS, JOINTS OR SAWCUTS.

CABLES MUST BE PROTECTED BY PVC SLEEVES WHERE THEY CROSS PAVEMENT JOINTS/CRACKS.

IRD RECOMMENDS THAT PULL BOXES BE NO FURTHER THAN 200' [61m] APART. IRD RECOMMENDS THE MINIMUM SIZE FOR PULL BOXES IS 18" [45.7cm] X 18" [45.7cm] X 12" [30.5cm].

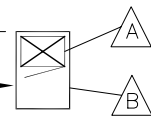
EXACT ROUTING OF CONDUIT TO BE DETERMINED ON SITE.

DRAWING NOT TO SCALE.

NOT FOR CONSTRUCTION



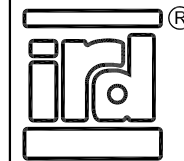
SEE 813009 FOR ROADSIDE ELECTRONICS DETAIL



REV.	DESCRIPTION	DWN/DSN	APPR.	APPR.	DATE
1	INITIAL RELEASE	SSt/MyG	MLo	MyG	JUN 22/07

CONFIDENTIAL

THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO IRD AND IS THEREFORE NOT TO BE DISCLOSED TO OTHERS OR USED FOR PRODUCTION WITHOUT WRITTEN PERMISSION FROM INTERNATIONAL ROAD DYNAMICS INC.



NOT TO SCALE

SIZE: B

DIMENSIONS IN: FEET [m]

INTERNATIONAL ROAD DYNAMICS INC. SASKATOON SASKATCHEWAN CANADA

DWG. TITLE: **SENSOR CONFIGURATION 4 LANE PIEZO-LOOP-PIEZO PIEZO SENSOR AVC**

DWG. No. **811014-0501**

CAD FILE: 811014-0501.DWG

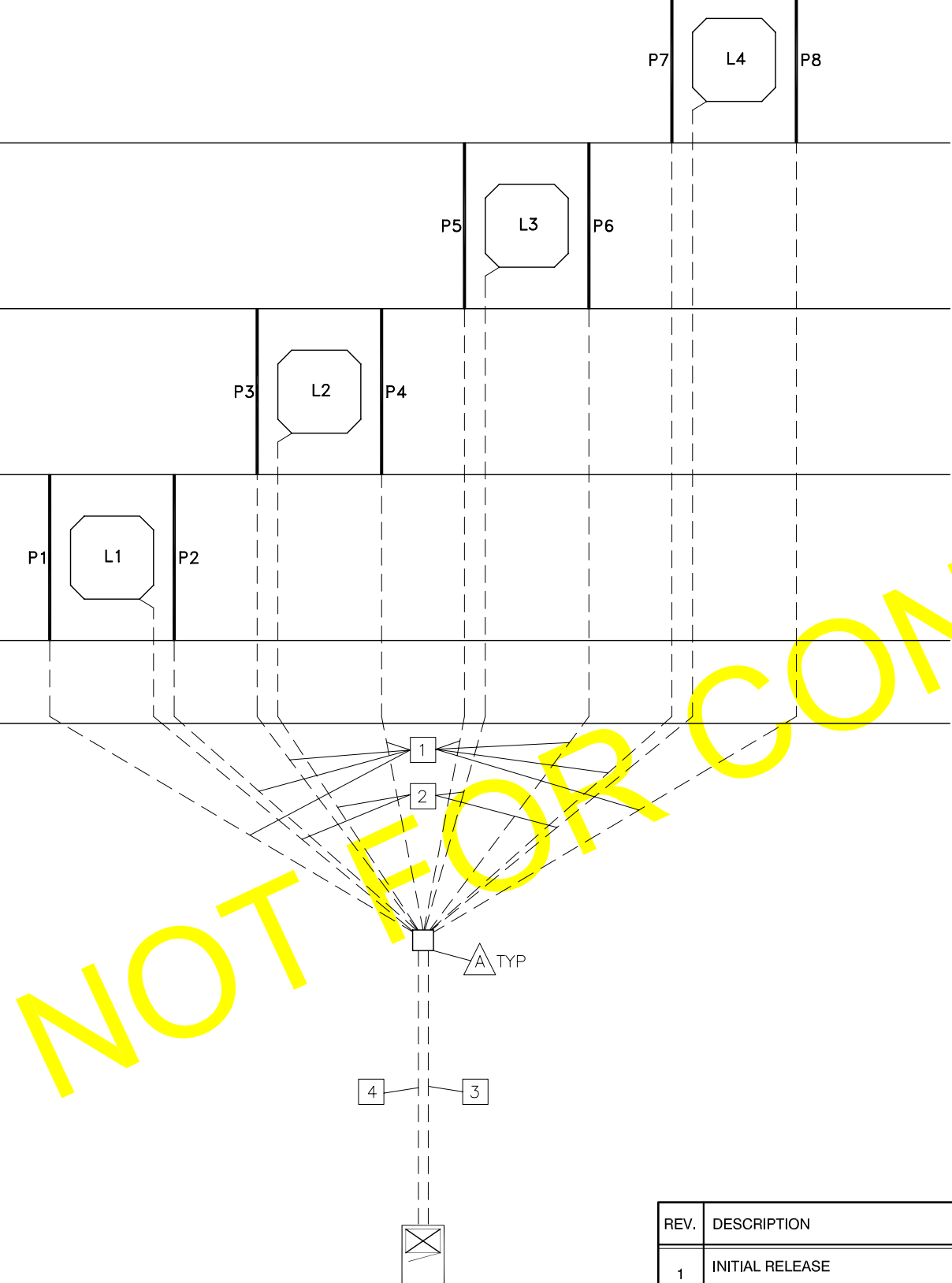
REV.: 1

SHEET 1 OF 2

SHOULDER



SHOULDER



LEGEND:

- L – INDUCTIVE LOOP
- P – PIEZO SENSOR

NOTES: (THIS SHEET ONLY)

PULL BOX.

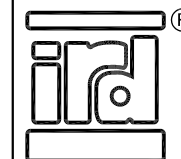
SIGNAL CONDUITS:

- 1 1" [25] CONDUIT
1 PIEZO LEAD (INCLUDED IN 813001)
- 2 1" [25] CONDUIT
1 LOOP WIRE (INCLUDED IN 813002-02)
- 3 2" [50] CONDUIT
8 PIEZO LEAD (INCLUDED IN 813001)
- 4 2" [50] CONDUIT
4 LOOP LEAD (INCLUDED IN 813002-02)

REV.	DESCRIPTION	DWN/DSN	APPR.	APPR.	DATE
1	INITIAL RELEASE	SS/MyG	MLo	MyG	JUN 22/07

CONFIDENTIAL

THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO IRD AND IS THEREFORE NOT TO BE DISCLOSED TO OTHERS OR USED FOR PRODUCTION WITHOUT WRITTEN PERMISSION FROM INTERNATIONAL ROAD DYNAMICS INC.



NOT TO SCALE

SIZE: B

DIMENSIONS IN: FEET [m]

INTERNATIONAL ROAD DYNAMICS INC. SASKATOON SASKATCHEWAN CANADA

DWG. TITLE: **SENSOR CONFIGURATION 4 LANE PIEZO-LOOP-PIEZO PIEZO SENSOR AVC**

DWG. No. **811014-0501**

REV.: 1

CAD FILE: 811014-0501.DWG

SHEET 2 OF 2