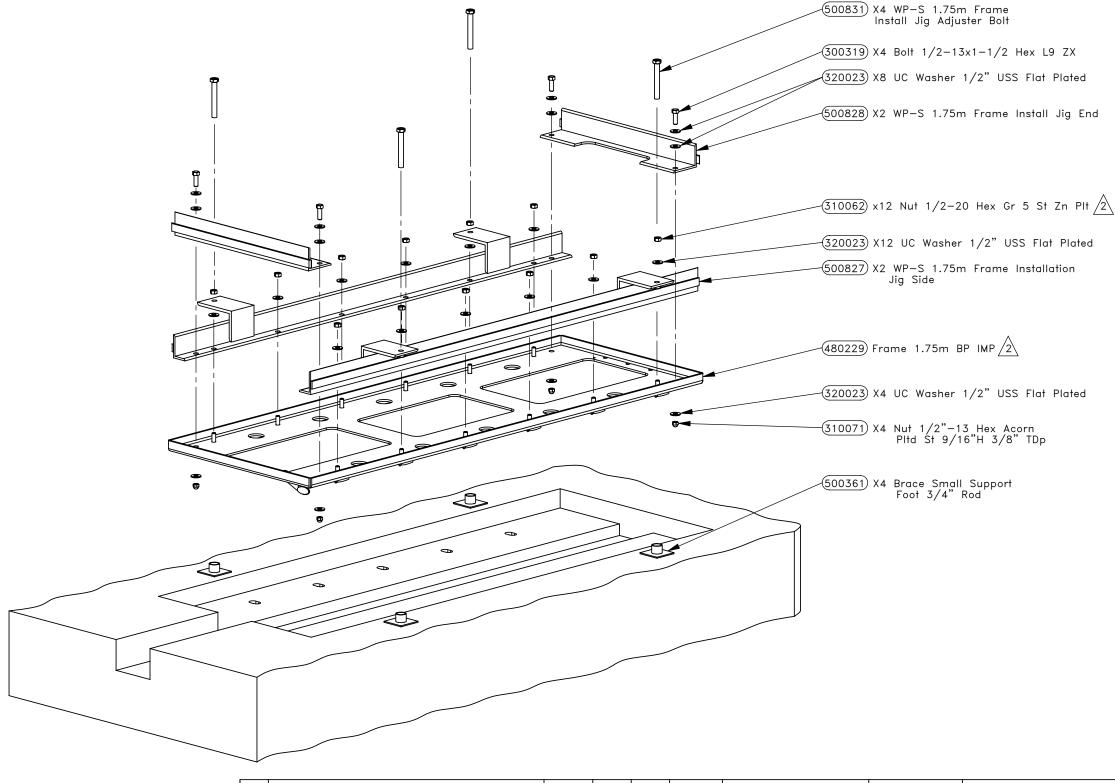


## STEP 3 - POSITION FRAME WITH INSTALL JIG 🔨



### NOTES:

 $\uparrow$  see installation manual 813005-0103 for use of installation jig.

PARTS ARE FROM FRAME KIT 116002.

3 OTHER PARTS SHOWN ARE INCLUDED IN KIT 190566.

| REV. | DESCRIPTION  | DWN/DSN | APPR. | APPR. | DATE      |  |
|------|--|---------|-------|-------|-----------|--|
| Α    | INITIAL RELEASE  | JGi/JCo | MLo   | GDo   | NOV 14/06 |  |
| В    | REVISE INSTALLATION METHOD. ECO-01.  | JGi/DPr | DPr   | MyG   | MAR 24/08 |  |
| С    | REVISE INSTALLATION INSTRUCTIONS FOR FRAME HEIGHT<br>CHECK JIG KIT PN 190578 AND AS PER REDLINES - ECO-02. | JGi/THa | DPr   | THa   | AUG 18/08 |  |
| D    | REMOVE REFERENCES TO METRIC KIT - ECO-03.  | JGi/THa | DPr   | THa   | NOV 3/08  |  |
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# INTERNATIONAL ROAD DYNAMICS INC. SASKATOON SASKATCHEWAN CANADA

DWG. TITLE:

INSTALLATION
1.75 M

PAT BENDING PLATE

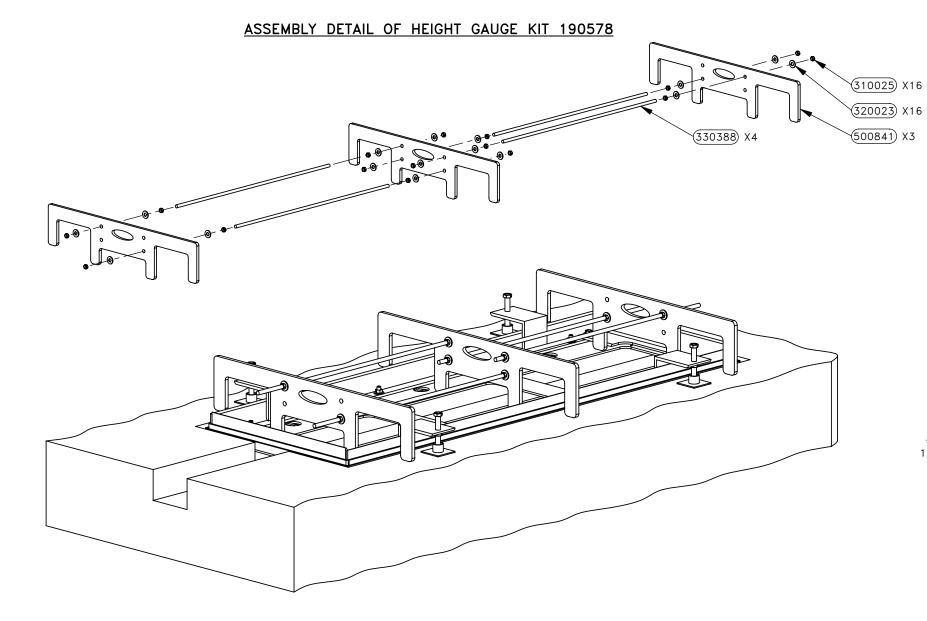
IZE:

B

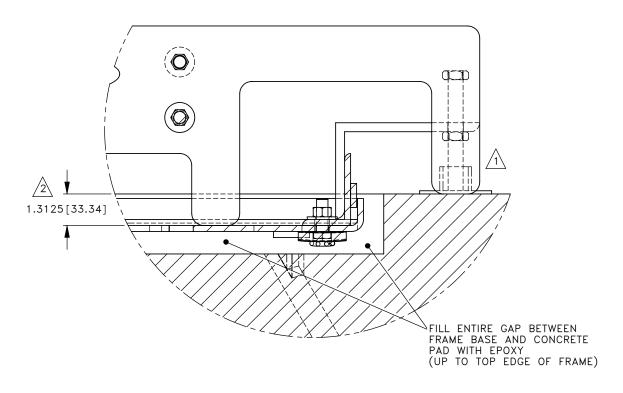
DWG. No.

813005-0102

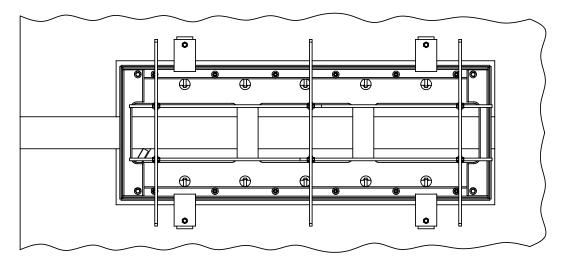
#### STEP 4 - POSITION HEIGHT GAUGE ON FRAME



## STEP 5 - FRAME HEIGHT ADJUSTMENT



#### TOP VIEW OF HEIGHT GAUGE ON FRAME



#### **NOTES:**

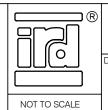
FRAME HEIGHT SHALL BE ADJUSTED UNTIL ALL LEGS ON THE CENTER HEIGHT GAUGE ARE CONTACTING THE ROAD SURFACE AND FRAME. THEN THE FRAME CAN BE ADJUSTED SO THAT THE CLEARANCE UNDER EACH END GAUGE TO THE FRAME IS AS CLOSE TO THE SAME AS POSSIBLE.

INSIDE OF FRAME CANNOT BE LOWER THAN 1-13/32" [36mm] BELOW ROAD SURFACE IN THE WHEEL PATH. FRAME MUST BE SET USING INSTALL JIG.

| REV. | DESCRIPTION  | DWN/DSN | APPR. | APPR. | DATE      |   |
|------|--|---------|-------|-------|-----------|---|
| Α    | INITIAL RELEASE  | JGi/JCo | MLo   | GDo   | NOV 14/06 | 7 |
| В    | REVISE INSTALLATION METHOD. ECO-01.  | JGi/DPr | DPr   | MyG   | MAR 24/08 |   |
| С    | REVISE INSTALLATION INSTRUCTIONS FOR FRAME HEIGHT<br>CHECK JIG KIT PN 190578 AND AS PER REDLINES - ECO-02. | JGi/THa | DPr   | THa   | AUG 18/08 |   |
| D    | REMOVE REFERENCES TO METRIC KIT - ECO-03.  | JGi/THa | DPr   | THa   | NOV 3/08  |   |
|      |  |         |       |       |           |   |

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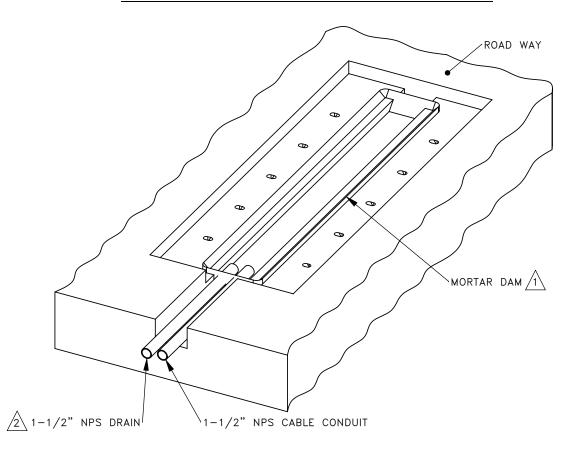
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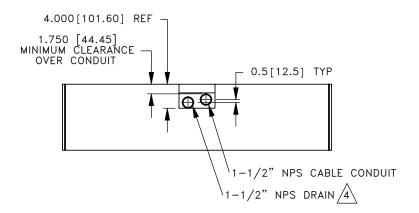
#### INTERNATIONAL ROAD DYNAMICS INC. SASKATOON SASKATCHEWAN CANADA

DWG. TITLE: INSTALLATION 1.75 M **PAT BENDING PLATE** DWG. No. 813005-0102 DIMENSIONS IN: INCHES [mm] CAD FILE: SHEET 4 OF 7 50072301.SLDDASM

#### STEP 6 - BUILD MORTAR DAM AND PLACE PIPES



#### DRAIN AND CONDUIT DETAIL



#### **NOTES:**

THE MORTAR DAM IS CONSTRUCTED WITH THE FRAME LEVELED IN PLACE AND IS MADE OF PARTLY DRIED PORTLAND CEMENT. DAM IS POSITIONED USING THE INSIDE PERIMETERS OF THE FRAME AND ANGLING DOWN AT AN APPROXIMATELY 45° ANGLE. SEE INSTALLATION MANUAL 813005-0103 FOR EXACT PROCEDURE.

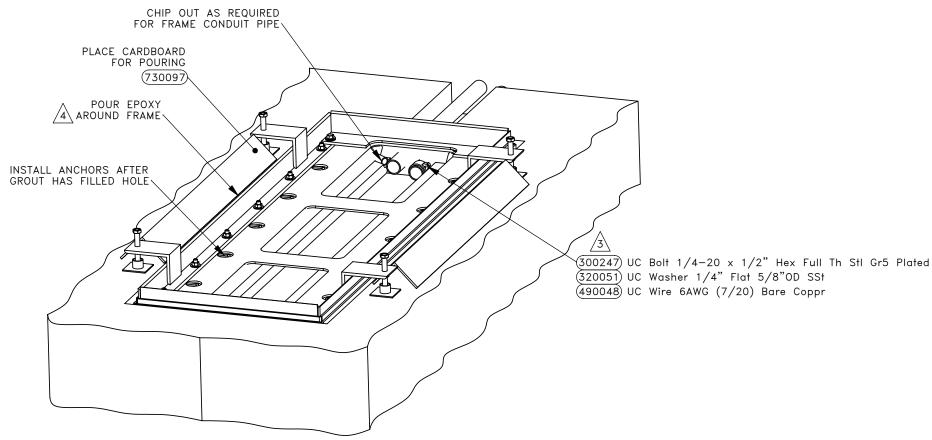
2\ SEE DRAINAGE DETAILS AND OPTIONS SHEET 6.

 $\sqrt{3}$  GROUND FRAME TO RIGID STEEL CONDUIT OR GROUND ROD BEFORE EPOXY POUR.

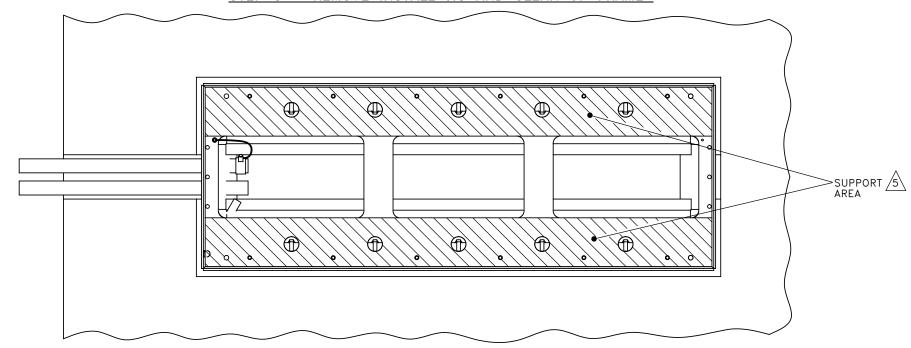
 $_{\perp}$  FRAME MUST HAVE CONTINUOUS SUPPORT ALONG THE UNDERSIDE OF THE FRAME. THERE CAN BE NO VOIDS.

SUPPORT AREA FOR WEIGHPAD AND RETAINING BAR MUST BE FLAT. GRIND EPOXY AND ANCHORS IF REQUIRED. **DO NOT GRIND STUDS!** 





#### STEP 8 - REMOVE INSTALL JIG AND CLEAN UP FRAME



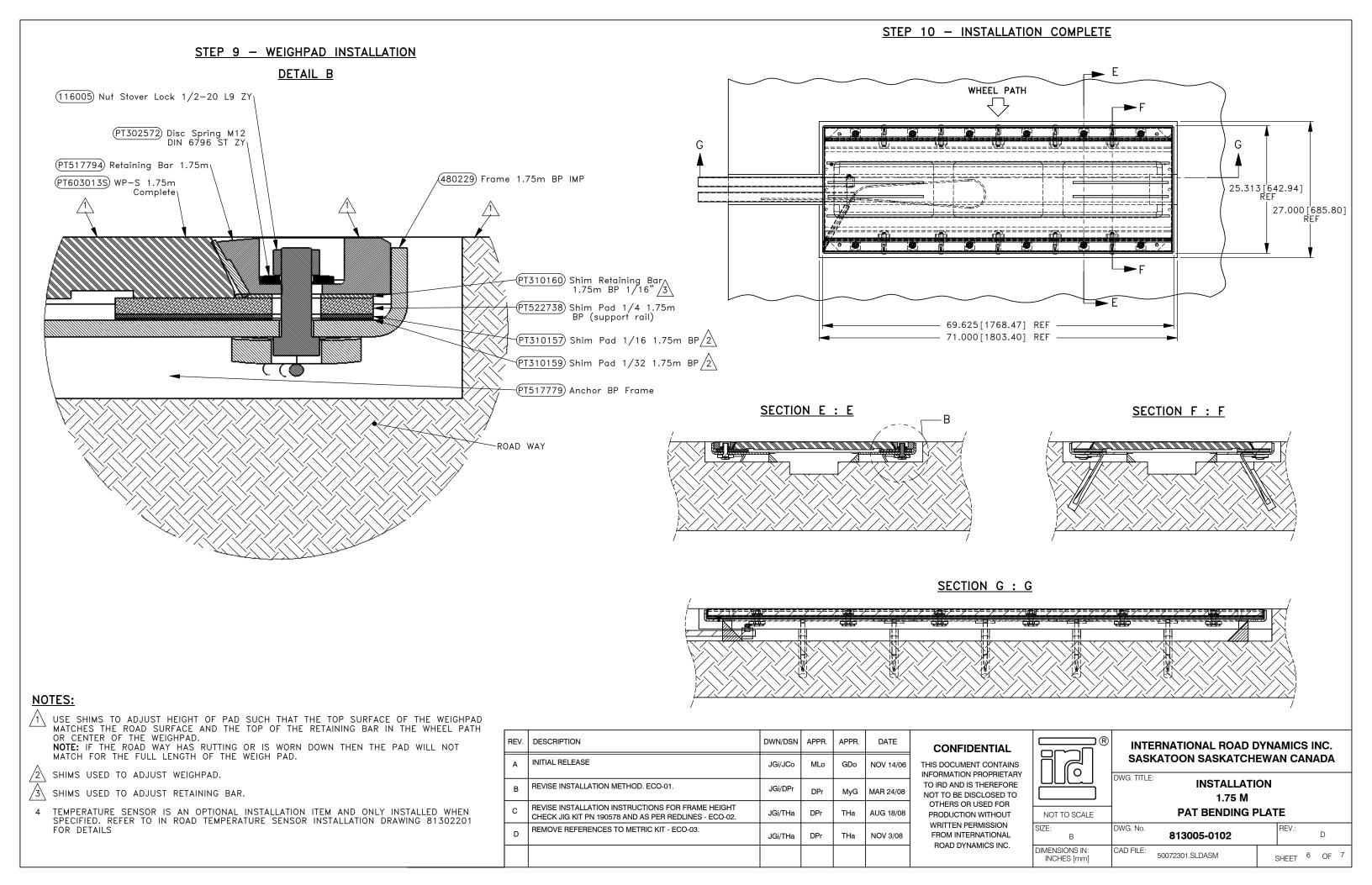
| REV. | DESCRIPTION  | DWN/DSN | APPR. | APPR. | DATE      |   |
|------|--|---------|-------|-------|-----------|---|
| Α    | INITIAL RELEASE  | JGi/JCo | MLo   | GDo   | NOV 14/06 | 1 |
| В    | REVISE INSTALLATION METHOD. ECO-01.  | JGi/DPr | DPr   | MyG   | MAR 24/08 |   |
| С    | REVISE INSTALLATION INSTRUCTIONS FOR FRAME HEIGHT<br>CHECK JIG KIT PN 190578 AND AS PER REDLINES - ECO-02. | JGi/THa | DPr   | THa   | AUG 18/08 |   |
| D    | REMOVE REFERENCES TO METRIC KIT - ECO-03.  | JGi/THa | DPr   | THa   | NOV 3/08  |   |
|      |  |         |       |       |           |   |

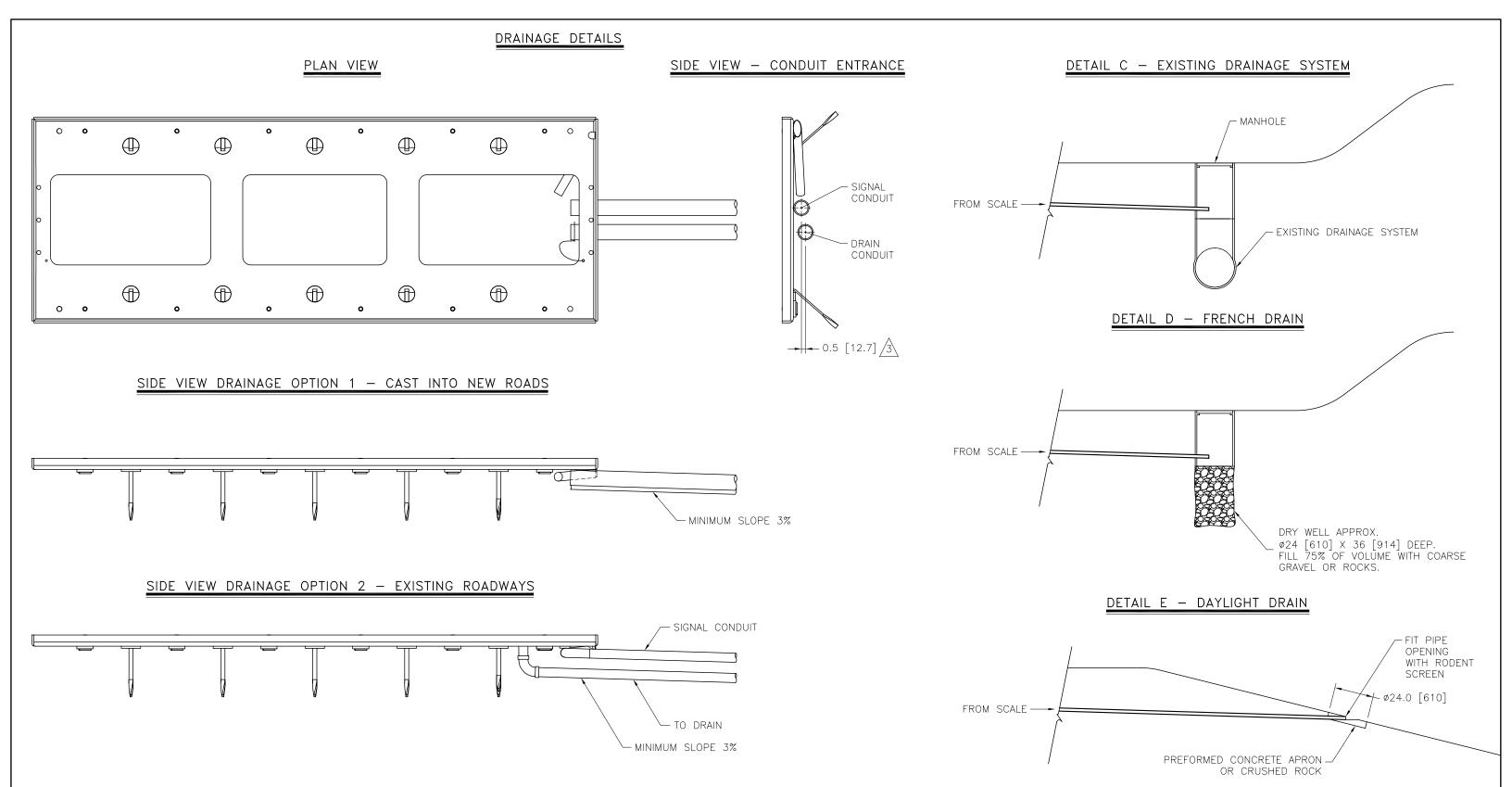
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## INTERNATIONAL ROAD DYNAMICS INC. SASKATOON SASKATCHEWAN CANADA





#### NOTES:

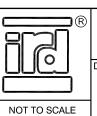
- 1 DRAIN CAN BE ROUTED TO EITHER SIDE OF ROADWAY, REGARDLESS OF CABLE ROUTING OR ELECTRONICS LOCATION.
- 2 DRAINAGE MUST ALLOW FREE FLOW AWAY FROM THE DRAIN OUTLET. THE OUTLET MUST BE WELL ABOVE THE HIGH WATER LEVEL OF THE DITCH OR MANHOLE. THE FLOW ALONG THE DRAIN AND AWAY FROM THE OUTLET MUST BE MAINTAINED AT ALL TIMES.

DRAIN MUST BE INSTALLED A MINIMUM OF 1/2" [12.7mm] LOWER THAN ELECTRICAL CONDUIT.

|      |      |   |         |       |       |           | _ |
|------|------|---|---------|-------|-------|-----------|---|
| )    | REV. | DESCRIPTION   | DWN/DSN | APPR. | APPR. | DATE      |   |
| •    | Α    | INITIAL RELEASE   | JGi/JCo | MLo   | GDo   | NOV 14/06 | T |
| E    | В    | REVISE INSTALLATION METHOD, ECO-01.   | JGi/DPr | DPr   | MyG   | MAR 24/08 |   |
| UIT. | O    | REVISE INSTALLATION INSTRUCTIONS FOR FRAME HEIGHT CHECK JIG KIT PN 190578 AND AS PER REDLINES - ECO-02. | JGi/THa | DPr   | THa   | AUG 18/08 |   |
|      | D    | REMOVE REFERENCES TO METRIC KIT - ECO-03.   | JGi/THa | DPr   | THa   | NOV 3/08  |   |
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# INTERNATIONAL ROAD DYNAMICS INC. SASKATOON SASKATCHEWAN CANADA

DWG. TITLE:

INSTALLATION
1.75 M
PAT BENDING PLATE

 NOT TO SCALE
 PAT BENDING PLATE

 SIZE:
 B
 DWG. No.
 813005-0102
 REV.:
 D

 DIMENSIONS IN:
 CAD FILE:
 813005-0102SHEET4.DWG
 SHEET 7 OF 7