

EXISTING SYSTEM INFORMATION:

- ① AXLE SENSOR 1-#18 1 PAIR TW. & SH. -WIM SCALE 2- #20 6 PAIR TW. & SH.
- ② LOOPS 1&2: 2 -#14 2 TW. & SH. & LOOP LEADS
- ③ OH DETECTOR 2- #18 1 PAIR TW. & SH.
- ④ LOOPS 3-7: 5 -#14 2 TW. & SH. EXIT LOOPS 2 - 14/2 TW. & SH.
- ⑤ COMMUNICATION 2--6 PAIR #22 IND. TW. & SH. TO SCALE HOUSE IN 1" CONDUIT.
- ⑥ WIM CABINET (RD) MOUNTED ON BASE. LOADCENTER PROVIDES 110 VAC 2 - 10 AMP CIRCUITS AND 1 - 20 AMP CIRCUIT. DRY TYPE TRANSFORMER 480V TO 120V.
- ⑦ OVERHEIGHT BASES MUST BE LOCATED BETWEEN L1 AND L2.
- ⑧ PROPOSED HAND HOLE.
- ⑨ PROPOSED HEAVY DUTY HANDHOLE.
- ⑩ HANDHOLE.
- ⑪ HEAVY DUTY HANDHOLE.
- ⑫ 2 - 1"
- ⑬ 1"
- ⑭ 1" UNIT DUCT WITH 2 - 6 PAIR #22.
- ⑮ 1 1/4" SCH. 40 PVC WITH 2-2C #14 TW./SH. LEAD IN CABLES.
- ⑯ 1 1/2" SCH. 40 PVC WITH 3-1C #6 (POWER CABLES) FOR SOUTHBOUND SCALES.
- ⑰ 2 1/2" (MIN.) GALVINIZED RIGID STEEL CONDUIT UNDER ROADWAY FOR 1 1/4" & 1 1/2" PVC CONDUIT.

POWER TO OS1, OS2, OS3 AND OS4 TO BE SUPPLIED FROM WIM CABINET.
 POWER TO S1 AND S2 TO BE SUPPLIED FROM SCALEHOUSE.
 CONDUIT AND PULLBOXES AS REQUIRED (BY OTHERS).
 CABLE CROSSING UNDER PAVED SURFACES IS PLACED IN GALVANIZED RIGID STEEL CONDUIT.
 ALL OTHER CONDUITS INSTALLED WILL BE SCH 40 PVC.
 POWER FOR SIGNALS WILL BE WITH 1-3C #12 IMSA 19-1 SOLID COPPER AT EACH END.

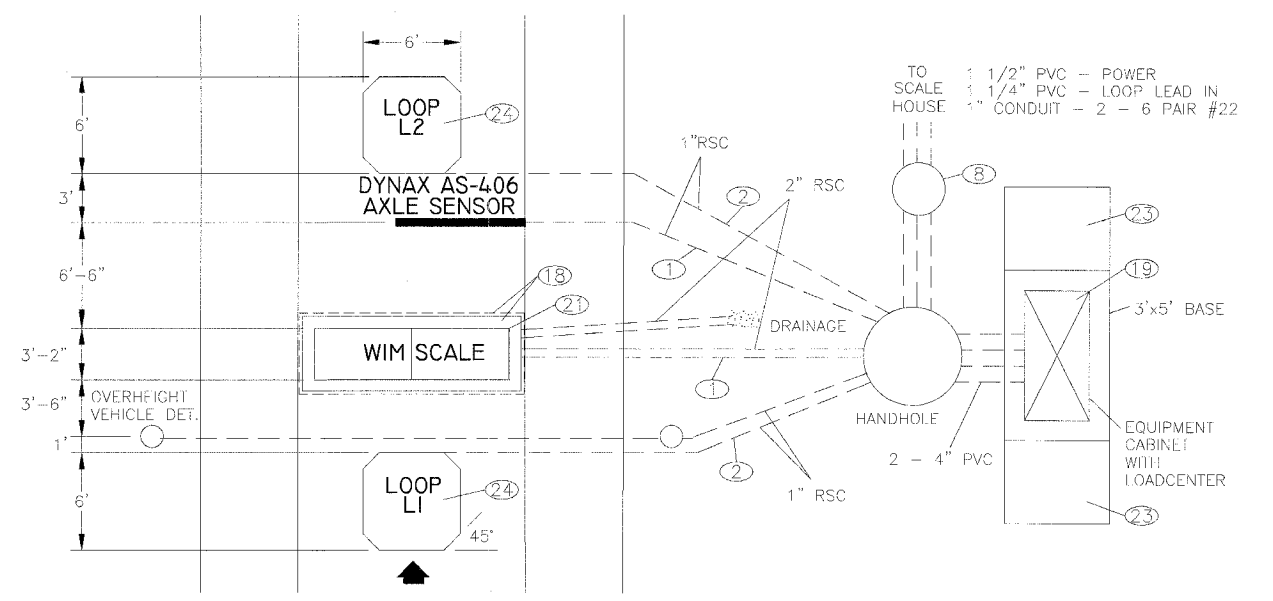
NOTES:

- ⑱ REMOVE EXISTING WIM SCALE AND REPLACE WITH NEW SINGLE LOAD CELL (SLC) SCALE. SEE SHEETS 2 AND 3 FOR DETAILS. OVER CUT EXISTING WIM SCALE APPROXIMATELY THREE TO SIX INCHES TOTAL TO REMOVE AND ACCOMMODATE NEW SINGLE LOAD CELL (SLC) SCALE.
- ⑲ REMOVE EXISTING WIM CABINET AND WIM ELECTRONICS AND REPLACE WITH NEW WIM CABINET AND ELECTRONICS
- ⑳ REMOVE EXISTING WIM SCALE HOUSE COMPUTER AND REPLACE WITH NEW WIM SCALE HOUSE COMPUTER.
- ㉑ THE EXISTING WIM SCALE, CONSISTING OF TWO WEIGH SCALES IN VAULTS AND FRAME, WIM CABINET AND SCALE HOUSE COMPUTER SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
- ㉒ THE EXISTING POWER SERVICE, CONDUIT AND CABLING THAT RUNS FROM THE SCALE HOUSE TO THE EXISTING CABINET WILL BE REUSED.
- ㉓ THE EXISTING WIM CABINET BASE WILL BE REUSED. THE NEW WIM CABINET WILL BE INSTALLED UPON THIS EXISTING CABINET BASE USING MECHANICAL ANCHORS. A 4 FOOT X 4 FOOT X 8 INCH PAD WILL BE POURED ON THE EAST AND WEST SIDES OF THE EXISTING CABINET BASE TO ACCOMMODATE THE NEW WIM CABINET.
- ㉔ ALL EXISTING WIM LOOPS WILL BE REUSED WITHIN THE NEW WIM SYSTEM.
- ㉕ ALL EXISTING POLE BASES, POLE STRUCTURES AND SIGNAL HEADS WILL BE REUSED WITHIN THE NEW WIM SYSTEM.
- ㉖ THE EXISTING COMMUNICATIONS CONDUIT THAT RUNS FROM THE WIM CABINET TO THE SCALE HOUSE WILL BE REUSED. THE EXISTING 2-6 PAIR #22 GAUGE WIRING WILL BE REMOVED AND NEW FIBER OPTIC CABLE WILL BE PULLED IN FOR COMMUNICATIONS.

LOOP DETAILS:

LOOP #	SIZE	NUMBER OF TURNS
L1-L2	6' x 6'	4
L3	6' x 14'	3
L4-L5	8' x 8'	4
L6-L7	8' x 8'	7

SITE LAYOUT



WIM - SITE LAYOUT

REV.	DESCRIPTION	DWN/DSN	APPR.	APPR.	DATE
1	PRELIMINARY RELEASE	JGI/RCz			

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NOT TO SCALE

SIZE: B

DIMENSIONS IN: FEET

INTERNATIONAL ROAD DYNAMICS INC.
 SASKATOON SASKATCHEWAN CANADA

DWG. TITLE:
SITE LAYOUT
SLC WIM SORTER - WESTBOUND
ILLINOIS DOT - 1-80 FRANKFORT

DWG. No. **MILMLS01** REV: **1**

CAD FILE: **MILMLS01.DWG** SHEET **4 OF 11**