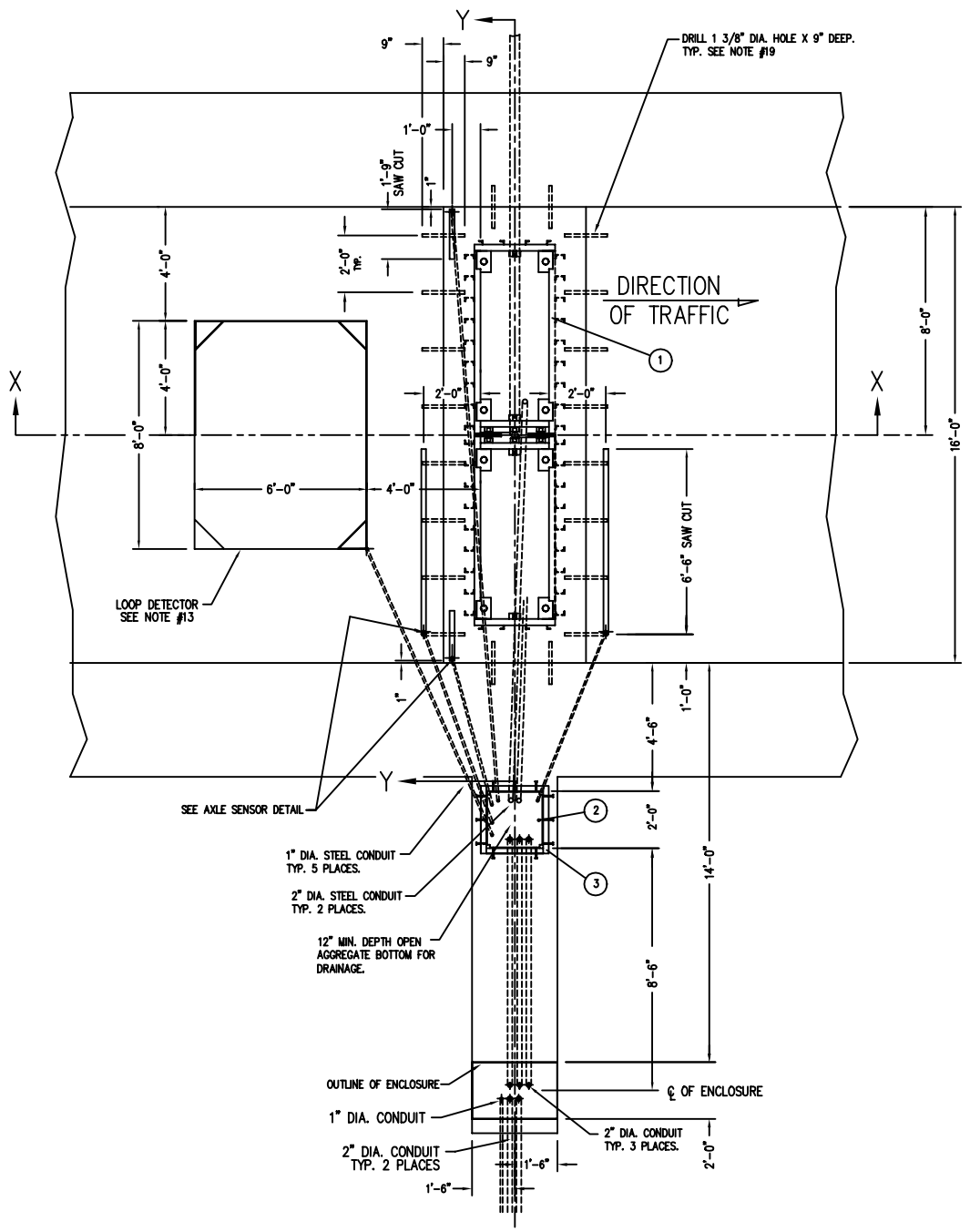
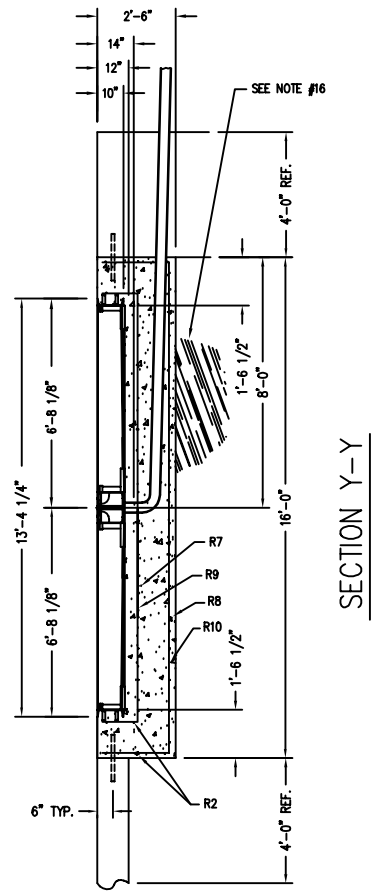


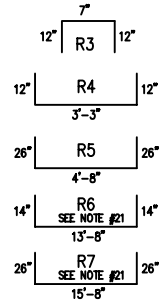
SECTION X-X



SECTION Y-Y

REINFORCING BAR SCHEDULE			
ITEM	QTY.	SIZE	WT. EA.
R1	10	#4 X 15'-8"	10.5
R2	10	#4 X 4'-8"	3.1
R3	32	#4 X 2'-7" (SEE DETAIL)	1.7
R4	16	#4 X 5'-3" (SEE DETAIL)	3.5
R5	16	#4 X 9'-0" (SEE DETAIL)	6.0
R6	4	#4 X 16'-0" (SEE DETAIL)	10.7
R7	6	#4 X 20'-0" (SEE DETAIL)	13.4

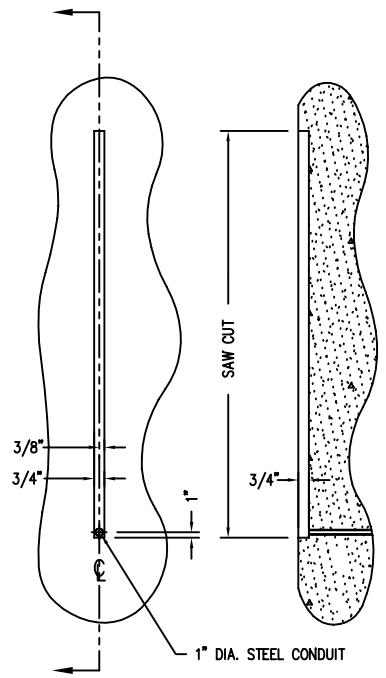
TOTAL WEIGHT OF REBAR = 475#



REVISION RECORD			
LTR	DESCRIPTION	DATE	BY
A	RELEASED FOR PRODUCTION	8/15/00	21014 JAT

NOTES:

1. ALL DIMENSIONS SHALL BE VERIFIED IN THE FIELD.
2. SOIL BEARING SHALL BE A MINIMUM OF 4,000 P.S.F.
3. CONCRETE FOR WALLS, FOOTINGS, GRADE BEAMS AND SLABS SHALL BE AIR-ENTRAINED AND HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4,000 P.S.I.
4. ALL STEEL REINFORCEMENT SHALL BE SECURELY TIED IN THE FORMS AND SUPPORTED ABOVE GRADE PRIOR TO CONCRETE PLACEMENT.
5. THE FRAME MUST BE SECURELY FASTENED TO PREVENT DISPLACEMENT DURING PLACING OF THE CONCRETE. REFERENCE DRAWING 0170-D066-0A.
6. CONTRACTOR SHALL INSTALL ALL ITEMS TO BE EMBEDDED INTO THE REINFORCED CONCRETE FOUNDATION PRIOR TO PLACING THE CONCRETE.
7. CAUTION: THE TOP OF THE SCALE FRAME MUST BE IN THE SAME ELEVATION AS THE EXISTING ROADWAY ELEVATION.
8. WHEN EACH SCALE FRAME IS LEVELED, BOLT THE SECTIONS TOGETHER AND RECHECK LEVEL.
9. AFTER CONCRETE IS POURED, TROWEL THE CONCRETE SMOOTH, WHEELS (TIRES) MUST HAVE A SMOOTH LEVEL APPROACH ON THE SCALE DECKS.
10. SLOPE ALL DRAINS AS SHOWN TO EXISTING DRAIN; PIPE NOT FURNISHED BY CARDINAL SCALE MFG. CO.
11. PROVIDE RODENT GUARD AT END OF DRAIN PIPE.
12. POSITION CONDUIT AS SHOWN.
13. SEE THE INSTALLATION INSTRUCTIONS FOR INSTALLING AXLE SENSORS AND LOOP DETECTORS.
14. CONDUIT PIPE AND CONNECTORS ARE NOT FURNISHED BY CARDINAL SCALE MFG. CO.
15. ALL REBAR SHALL CONFORM TO ASTM A615 GRADE 60. ALLOW 2" MINIMUM COVER.
16. ALL OF THE SUB GRADE BENEATH THE CONCRETE SHALL BE COMPACTED TO NOT LESS THAN 95% OF THE MAXIMUM DENSITY, DETERMINED IN ACCORDANCE WITH A.A.S.H.T.O.
17. THE USER SHALL PROVIDE AND MAINTAIN THE SURFACE OF THE PAVED ROADWAY 150 FT. IN ADVANCE OF AND BEYOND THE WIM-SYSTEM SENSORS AND SHALL BE MAINTAINED IN A CONDITION SUCH THAT A 6 INCH DIAMETER CIRCULAR PLATE 1/8 INCH THICK CANNOT BE PASSED BENEATH A 20 FOOT LONG STRAIGHT EDGE WHEN THE STRAIGHT EDGE IS POSITIONED AND MANEUVERED AS SPECIFIED IN ASTM DESIGNATION: E 1318-92.
18. SEE CARDINAL ELECTRICAL DRAWINGS FOR GROUNDING SPECIFICATIONS.
19. 1 1/4 INCH SMOOTH EPOXY COATED DOWELS SHALL BE USED IN ALL JOINTS. THE ANCHORING MATERIAL (EPOXY) SHALL BE PLACED TO THE BACK OF THE PRE DRILLED HOLE BEFORE INSERTING THE DOWEL BAR. THE DOWEL IS INSERTED INTO THE HOLE WITH A TWISTING MOTION SO THAT THE MATERIAL IN THE BACK OF THE HOLE IS FORCED UP AND AROUND THE DOWEL BAR.
20. UNLESS OTHERWISE SPECIFIED, ALL REBAR IS ON 12 INCH CENTER TO CENTER BOTH TOP AND BOTTOM.
21. TENSION LAP SPLICES OF 2 FOOT LENGTH MAY BE ALLOWED IN REBAR R6 & R7.



AXLE SENSOR TRENCH

TYPICAL 4 PLACES
SEE NOTE #13

QTY.	QTY.	QTY.	ITEM	PART/DWG. NUMBER	DESCRIPTION	MATERIAL OR SOURCE	WT. EACH
		1	3	0170-C025-0A	ACCESS FRAME		215.2
		1	2	3502-B006-51	GROUNDING KIT		
		1	1	0170-D066-0A	FRAME INSTALLATION		1598
		-0A	ASSY		PARTS/MATERIAL LIST		
		1813	WT.				

UNLESS OTHERWISE SPECIFIED TOLERANCE ON DIMENSIONS ARE:
ANGLES ± 1/2°
INTEGERS/FRACTIONS ± 1/16 IN.
DECIMALS (.X) ± .03 IN.
DECIMALS (.XX) ± .01 IN.
DECIMALS (.XXX) ± .005 IN.
NOTE: WHOLE NUMBERS MUST BE WRITTEN XX.000 TO INVOKE DECIMAL TOLERANCES.

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Cardinal Scale Manufacturing Co. SPRINGFIELD, MISSOURI, U.S.A. 65806
CARDINAL DETECTO FULLER WEIGHING SYSTEMS

TITLE: PIT PLAN IN-MOTION SCALE

SCALE 3/8" = 12" | DO NOT SCALE DRAWING | NEXT ASSEMBLY 0170-D062-0A

DR. TARNOWIECKYJ | DATE 8/15/00

CH. | DATE

MODEL CWIM-1 | SHEET 1 OF 1 | DWG. NO. *0170-D064-0A* | REV. A

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