



KROGER
STORE #473

2013 UNIVERSITY
AVENUE
OXFORD, MISSISSIPPI
38655

A DEVELOPMENT OF
THE KROGER COMPANY

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ISSUE LOG

NO.	REV.	DESCRIPTION	DATE
1	-	PERMIT SET	12/06/18
2	-	BID SET	03/21/19

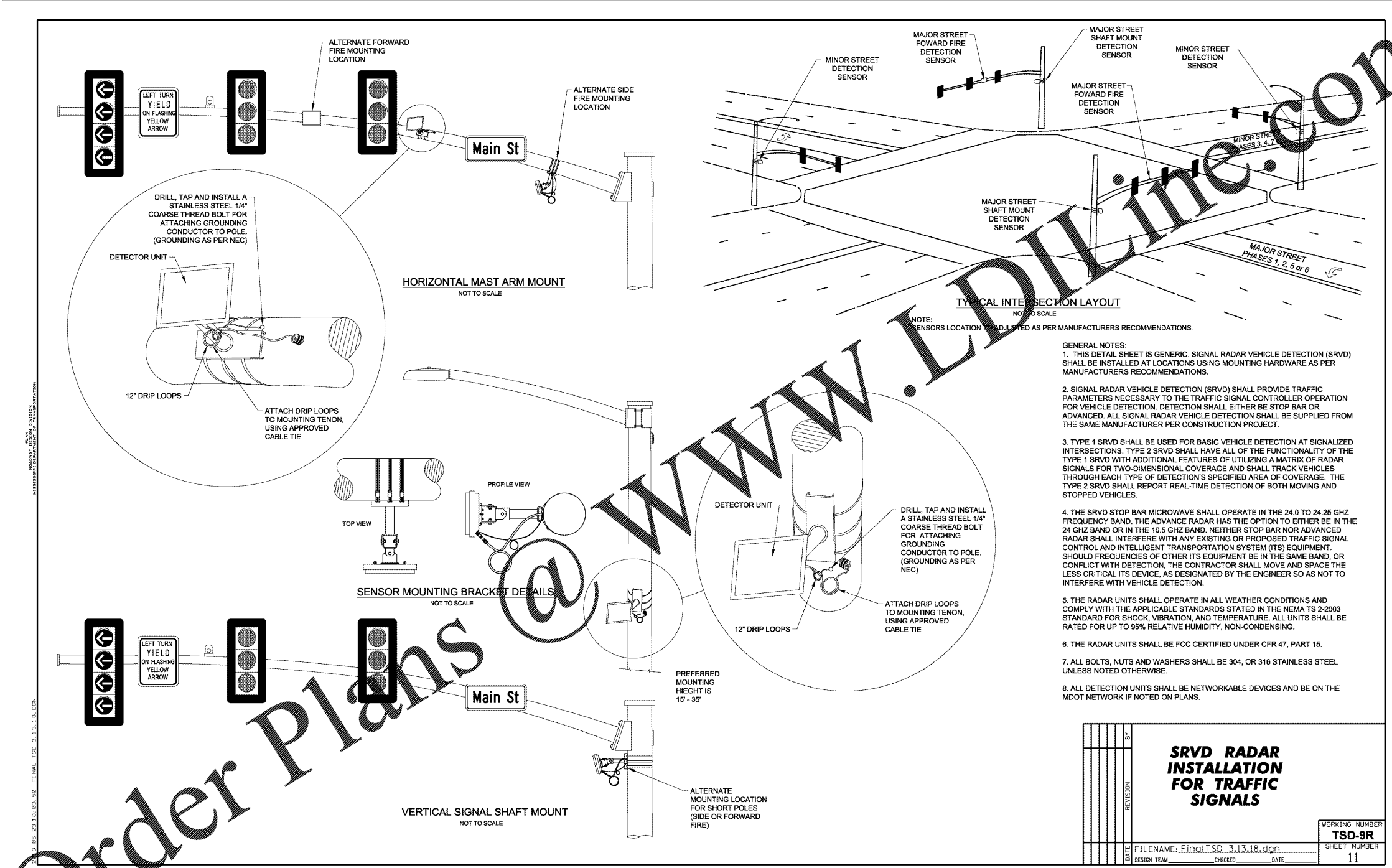
JOB: 2018041 SCALE: N.T.S.

SHEET NO.

TSD-9R

SRVD RADAR INSTALLATION
FOR TRAFFIC SIGNALS

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- GENERAL NOTES:
1. THIS DETAIL SHEET IS GENERIC. SIGNAL RADAR VEHICLE DETECTION (SRVD) SHALL BE INSTALLED AT LOCATIONS USING MOUNTING HARDWARE AS PER MANUFACTURERS RECOMMENDATIONS.
 2. SIGNAL RADAR VEHICLE DETECTION (SRVD) SHALL PROVIDE TRAFFIC PARAMETERS NECESSARY TO THE TRAFFIC SIGNAL CONTROLLER OPERATION FOR VEHICLE DETECTION. DETECTION SHALL EITHER BE STOP BAR OR ADVANCED. ALL SIGNAL RADAR VEHICLE DETECTION SHALL BE SUPPLIED FROM THE SAME MANUFACTURER PER CONSTRUCTION PROJECT.
 3. TYPE 1 SRVD SHALL BE USED FOR BASIC VEHICLE DETECTION AT SIGNALIZED INTERSECTIONS. TYPE 2 SRVD SHALL HAVE ALL OF THE FUNCTIONALITY OF THE TYPE 1 SRVD WITH ADDITIONAL FEATURES OF UTILIZING A MATRIX OF RADAR SIGNALS FOR TWO-DIMENSIONAL COVERAGE AND SHALL TRACK VEHICLES THROUGH EACH TYPE OF DETECTION'S SPECIFIED AREA OF COVERAGE. THE TYPE 2 SRVD SHALL REPORT REAL-TIME DETECTION OF BOTH MOVING AND STOPPED VEHICLES.
 4. THE SRVD STOP BAR MICROWAVE SHALL OPERATE IN THE 24.0 TO 24.25 GHZ FREQUENCY BAND. THE ADVANCE RADAR HAS THE OPTION TO EITHER BE IN THE 24 GHZ BAND OR IN THE 10.5 GHZ BAND. NEITHER STOP BAR NOR ADVANCED RADAR SHALL INTERFERE WITH ANY EXISTING OR PROPOSED TRAFFIC SIGNAL CONTROL AND INTELLIGENT TRANSPORTATION SYSTEM (ITS) EQUIPMENT. SHOULD FREQUENCIES OF OTHER ITS EQUIPMENT BE IN THE SAME BAND, OR CONFLICT WITH DETECTION, THE CONTRACTOR SHALL MOVE AND SPACE THE LESS CRITICAL ITS DEVICE, AS DESIGNATED BY THE ENGINEER SO AS NOT TO INTERFERE WITH VEHICLE DETECTION.
 5. THE RADAR UNITS SHALL OPERATE IN ALL WEATHER CONDITIONS AND COMPLY WITH THE APPLICABLE STANDARDS STATED IN THE NEMA TS 2-2003 STANDARD FOR SHOCK, VIBRATION, AND TEMPERATURE. ALL UNITS SHALL BE RATED FOR UP TO 95% RELATIVE HUMIDITY, NON-CONDENSING.
 6. THE RADAR UNITS SHALL BE FCC CERTIFIED UNDER CFR 47, PART 15.
 7. ALL BOLTS, NUTS AND WASHERS SHALL BE 304, OR 316 STAINLESS STEEL UNLESS NOTED OTHERWISE.
 8. ALL DETECTION UNITS SHALL BE NETWORKABLE DEVICES AND BE ON THE MDOT NETWORK IF NOTED ON PLANS.

DATE	REVISION	BY

**SRVD RADAR
INSTALLATION
FOR TRAFFIC
SIGNALS**

FILENAME: FinalTSD_3.13.18.dgn

DESIGN TEAM: _____ CHECKED: _____ DATE: _____

WORKING NUMBER: TSD-9R
SHEET NUMBER: 11