

The following changes to the tender documents are effective immediately and will form part of the contract documents:

1 SPECIFICATIONS

- .1 Section 01 11 00 – SUMMARY OF WORKS
 - .1 Revise Subparagraph 1.1.1 to read as follows:
 - .1 Work of this contract comprises the furnishing of all labour, materials equipment and supervision required for RFID Infrastructure upgrade and related work as specified at the Emerson Port of Entry, located in Emerson, Manitoba. Work will be required to be carried out in 2 distinct phases as follows:
 - .1 Phase 1: Pre-RFID Equipment installation (all Work other than that in Phase 2
 - .2 Phase 2: Work takes place during RFID Equipment installation by CBSA and includes replacing the existing j-boxes in the LPR section of the lane and installation of electrical wiring as required to preserve the functionality of the lanes during installation of the new equipment.
 - .2 Revise Article 1.2.1 to read as follows:
 - .1 Work by others which will be executed during Work of this Contract, and which is specifically excluded from this Contract:
 - .1 CBSA will provide and install RFID Equipment (this work is tentatively scheduled for April 15, 2017)

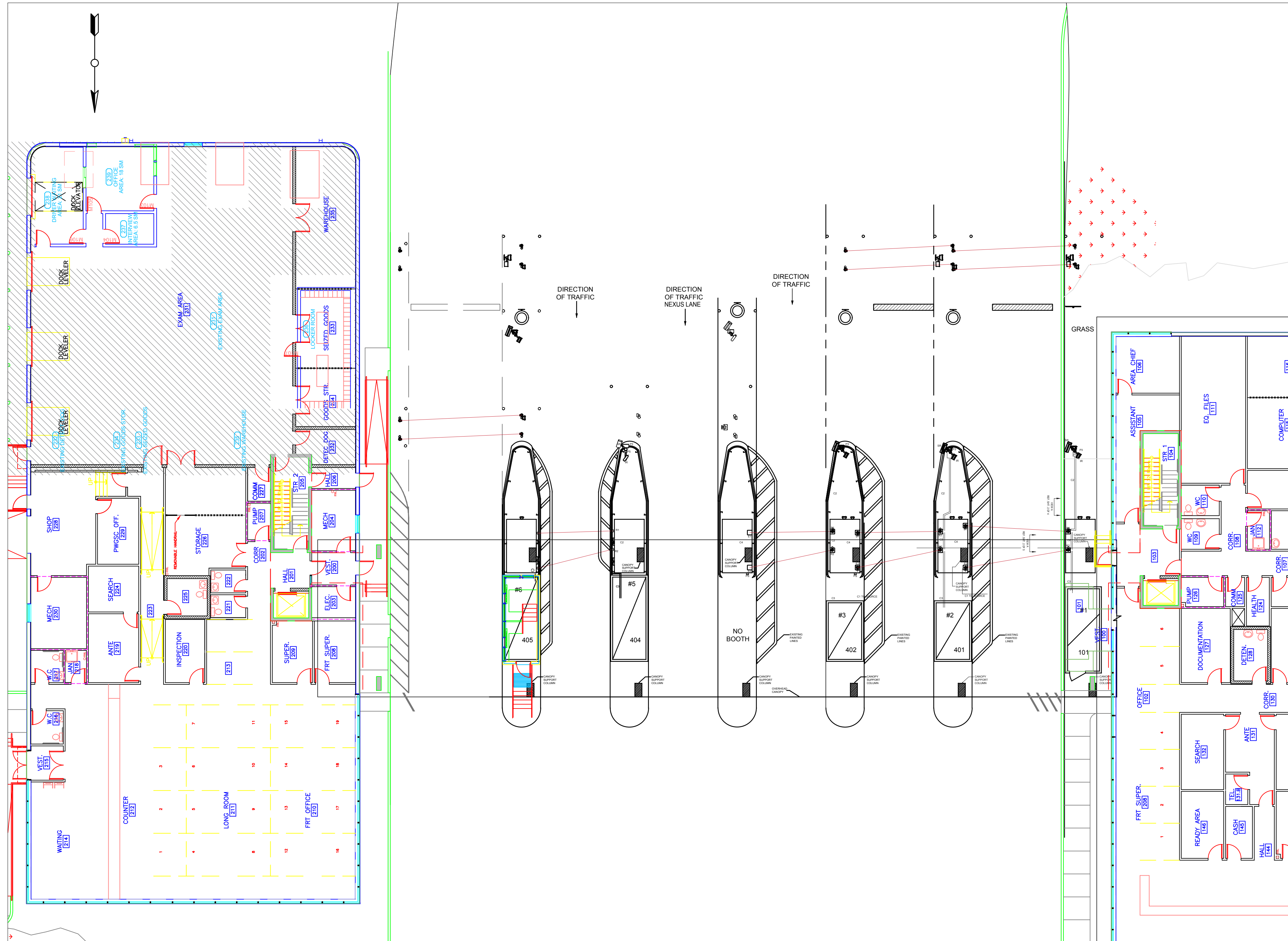
2 APPENDIX

- .1 Add Appended drawings "CBSA IPIL-RFID Emerson Lanes 1 and 2" prepared by Perceptics dated 1/25/2016. These drawings are for reference only.

END OF ADDENDUM NO. 2

CBSA IPIL-RFID

Emerson Lanes 1 and 2



REVISIONS			
REV	DESCRIPTION	DWN	DATE
P1	ORIGINAL RELEASE	TES	1/25/2016
A	SHEET Q3 REMOVED CONDUIT SIZE NOTE. ELECTRICAL SHEETS ADDED NOTE TO J-BOX DETAIL, ADDED J-BOX SIZE AND ORIENTATION NOTE (3). CHANGED NEW CONDUIT NOTE TO USE 1 INCH. UPDATED CAT6 SPEC AND CHANGED MINIMUM J-BOX SIZE TO 6"x6"x4". ELECTRICAL SHEETS ADDED EMITTER POWER CONDUCTORS. MOVED LOCATION OF POWER DISTRIBUTION BOX TO LANE 6.	DEL	3/28/2016
B	DELETED SHEETS REFERENCING LANES 3 AND 6 AND COMMERCIAL LANES. RENUMBERED SHEETS TO REFLECT CHANGES.	DEL	4/26/2016
C	RELOCATED TRIGGER PLAN AND LANE POWER DISTRIBUTION ENCLASURES TO OPPOSITE END OF CONCRETE ISLAND, PLACING THEM ON THE CAMERA SIDE OF THE ISLAND. REROUTED ASSOCIATED CONDUITS.	DEL	5/10/2016

DRAWING PACKAGE CONTENTS

- Q1. TITLE SHEET
- Q2. LANE CONFIGURATIONS
- Q3. LANES 1-2 LAYOUT PLAN
- Q4. LANE 1 EQUIPMENT LISTING
- Q5. LANE 1 ELECTRICAL
- Q6. LANE 2 EQUIPMENT LISTING
- Q7. LANE 2 ELECTRICAL

GENERAL NOTE

THE PURPOSE OF THIS DOCUMENT IS TO DESCRIBE THE SITE PREPARATIONS NEEDED FOR THE IMPLEMENTATION OF THE LPR AND RFID SOLUTION. INSTALLATION DETAILS CAN BE FOUND IN THE PERCEPTICS DOCUMENT 810090 - CBSA G7 LPR-RIFD OPERATOR MANUAL.

DISCLAIMER

USE OR DISCLOSURE OF ANY INFORMATION, STATEMENT, DRAWING, LIKENESS, OR OTHER REPRESENTATION OF ANY INFRASTRUCTURE, APPURTENANCE, OR EQUIPMENT CONTAINED IN THIS DRAWING PACKAGE IS SUBJECT TO ALL RESTRICTIONS DEFINED IN THIS DISCLAIMER.

PROPRIETARY INFORMATION - THIS DOCUMENT IS THE PROPERTY OF PERCEPTICS LLC AND FURNISHED WITH THE UNDERSTANDING THAT THE INFORMATION HEREIN WILL BE HELD IN CONFIDENCE AND WILL NOT BE DUPLICATED, USED, OR DISCLOSED EITHER IN WHOLE OR PART WITHOUT THE PRIOR WRITTEN PERMISSION OF PERCEPTICS. THESE COMMODITIES, TECHNOLOGY, OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION OR RE-EXPORT CONTRARY TO U.S. LAW PROHIBITED. (NLR-EAR99)

THIS SITE DRAWING AS WELL AS ALL OTHER INFORMATION PREPARED AND CONTAINED WITHIN THIS SITE DESIGN WAS SPECIFICALLY PROVIDED TO DEFINE THE PHYSICAL FOOTPRINT RECOMMENDED FOR THE INSTALLATION OF THE PERCEPTICS LPR AND / OR RFID AS WELL AS ANY ANCILLARY EQUIPMENT REQUIRED. ANY COMMENT, STATEMENT, DRAWING, LIKENESS, MEASUREMENT, OR OTHER REPRESENTATION OF ANY INFRASTRUCTURE, APPURTENANCE, OR EQUIPMENT OUTSIDE THAT PROVIDED BY PERCEPTICS AND OTHER INFRASTRUCTURE, APPURTENANCE, OR EQUIPMENT SPECIFICALLY DESIGNED FOR PUBLIC SAFETY AND THE PROTECTION OF THE ENVIRONMENT IS INCORPORATED FOR REFERENCE PURPOSES ONLY AND SHOULD NOT TO BE CONSTRUED AS A PERCEPTICS ENGINEERED RECOMMENDATION.

"IN NO EVENT SHALL PERCEPTICS, ITS DIRECTORS, OFFICERS, SHAREHOLDERS, SUBSIDIARIES, AFFILIATES, AGENTS AND LICENSORS, OR EMPLOYEES BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL (INCLUDING LOSS OF REVENUE OR INCOME, PAIN AND SUFFERING, EMOTIONAL DISTRESS, OR SIMILAR DAMAGES), INCIDENTAL, PUNITIVE, OR CONSEQUENTIAL DAMAGES ARISING OUT OF OR RELATED TO THE USE, INABILITY TO USE, AUTHORIZED USE, PERFORMANCE, OR NONPERFORMANCE OF THIS SITE DESIGN, EVEN IF PERCEPTICS WAS PREVIOUSLY ADVISED OF THE POSSIBILITY OF SUCH DAMAGES AND REGARDLESS OF WHETHER SUCH DAMAGES ARISE IN CONTRACT, TORT, UNDER STATUTE, IN EQUITY, AT LAW, OR OTHERWISE."

PERCEPTICS, LLC IS A MANUFACTURER OF LICENSE PLATE READER (LPR) TECHNOLOGY AND RADIO FREQUENCY IDENTIFICATION (RFID) EQUIPMENT AND DOES NOT REPRESENT ITSELF AS AN A & E FIRM NOR DOES IT PROVIDE THE ENGINEERING SERVICES TYPICALLY OFFERED BY SUCH. ANY AND ALL INFRASTRUCTURES, APPURTENANCE, MATERIALS OF CONSTRUCTION, DESIGN AND SUBSEQUENT PLACEMENT OF SAFETY DEVICES FOR THE PROTECTION OF THE PUBLIC THEREOF MUST BE REVIEWED AND APPROVED BY THE APPROPRIATE FEDERAL / STATE AGENCY OR OTHER GOVERNING BODY PRIOR TO CONSTRUCTION.

UNLESS OTHERWISE SPECIFIED
DIMENSIONS IN INCHES.
DO NOT SCALE THIS DRAWING

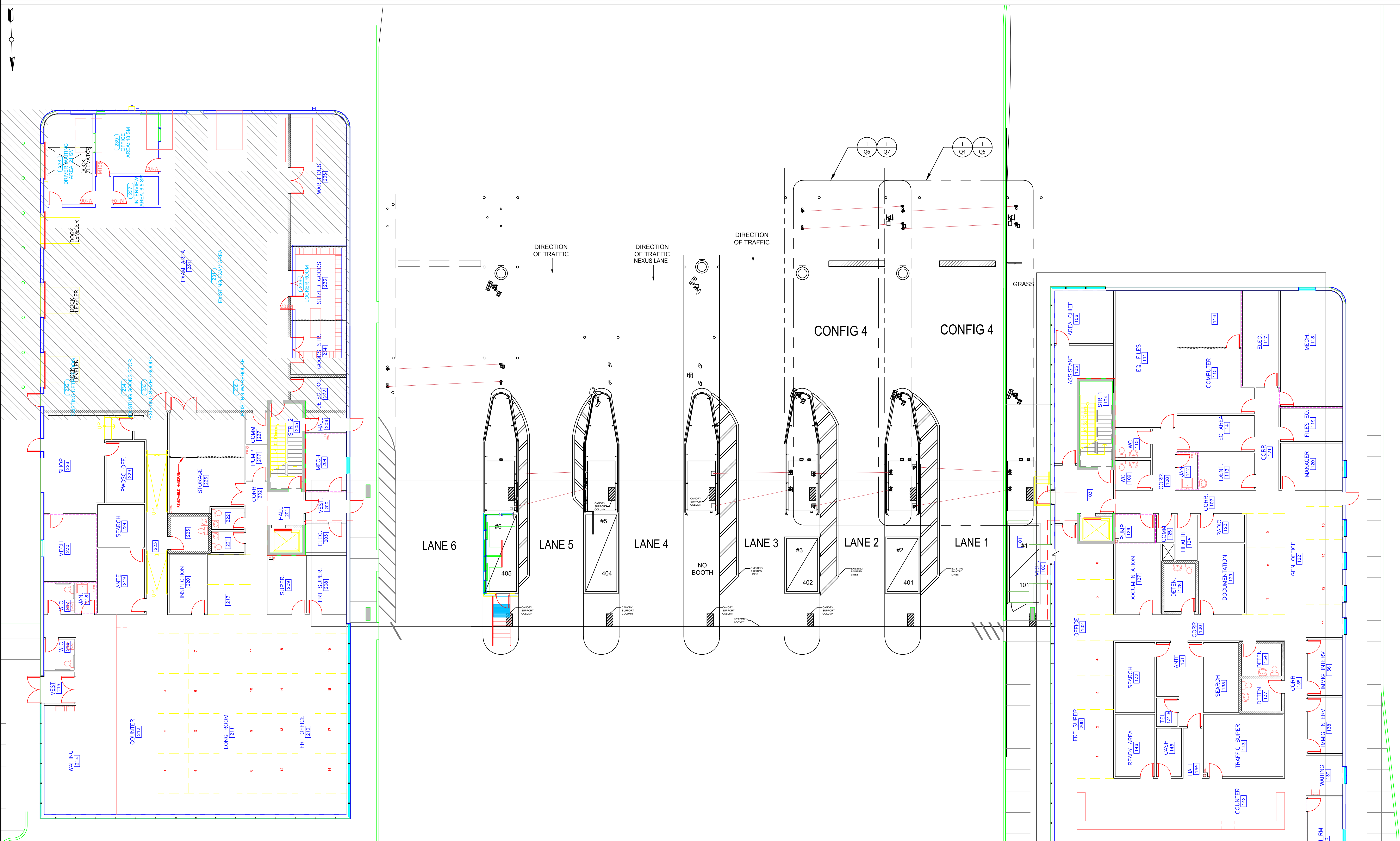
TITLE:

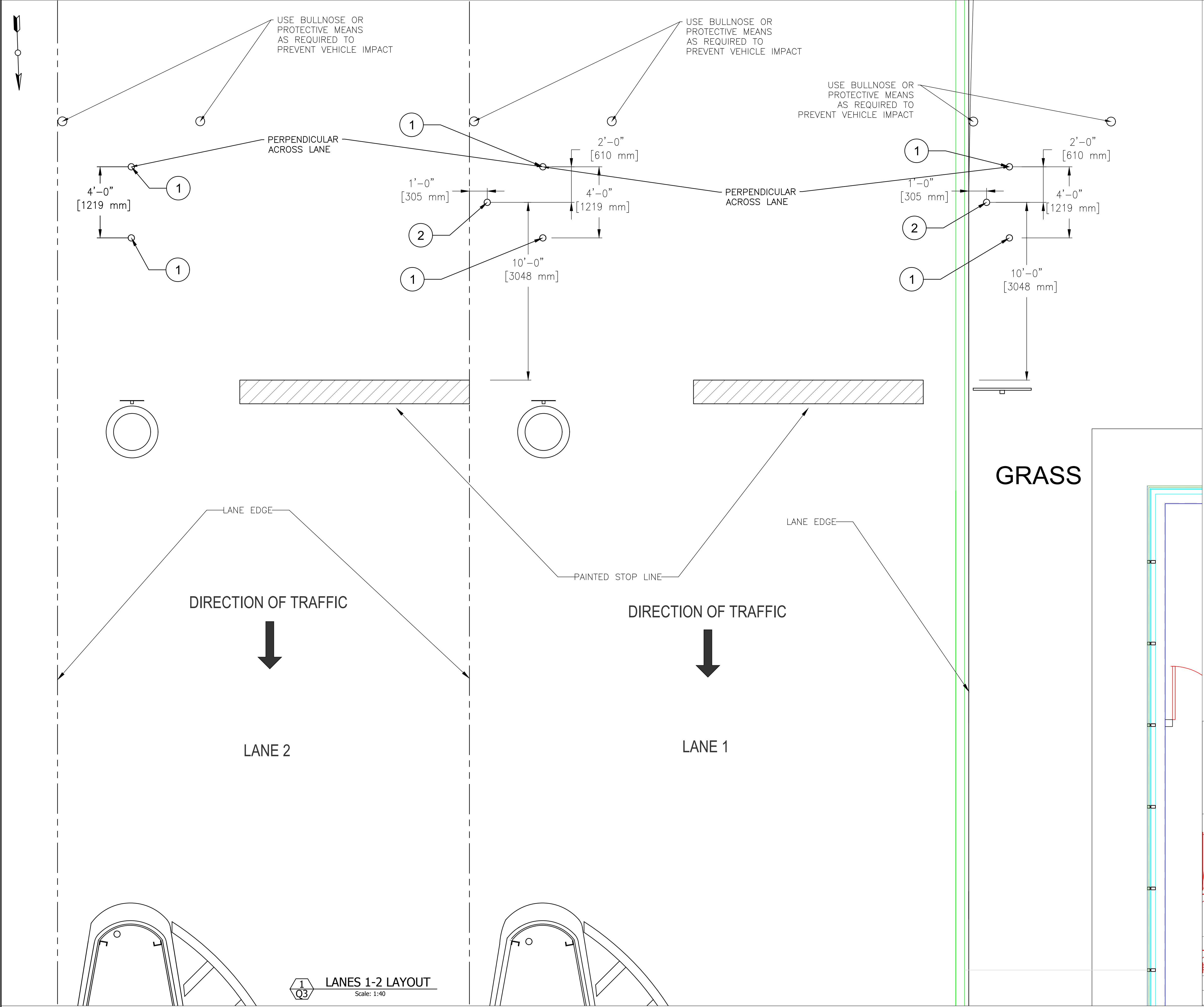
TITLE SHEET

DRAWING NO.: CBSA Emerson Lanes 1 - 2 REVISION: C
DATE: 1/25/2016 DWG SIZE: D
DESIGNER: TIM SMITH REVISION DATE: 5/10/16

Q1

SHEET 1 OF 7





GENERAL NOTES

1. VIEWS AND DETAILS ARE ON ADDITIONAL SHEETS. ALL HEIGHT DIMENSIONS ARE FROM ROAD SURFACE, UNLESS OTHERWISE NOTED.
2. DIMENSIONS ARE TO POST AND FOOTING CENTER.
3. PROTECTION BOLLARDS OR GUARDRAILS ARE RECOMMENDED FOR PROTECTING EQUIPMENT FROM VEHICULAR IMPACT AND SIDE MIRRORS. GUARD RAILS MAY BE USED IN PLACE OF BOLLARDS. ENSURE THAT FIELDS OF VIEW FOR IMAGERS, SENSORS AND STROBES ARE NOT OBSTRUCTED BY THE BOLLARDS OR RAILS. SEE DISCLAIMER ON SHEET Q1.

CONSTRUCTION CONTRACTOR RESPONSIBILITY

1. CONTRACTOR IS RESPONSIBLE FOR MEETING FEDERAL, PROVINCE AND LOCAL REQUIREMENTS. FOR IDENTIFYING EXISTING UNDERGROUND UTILITIES AND OBTAINING PROPER PERMITS BEFORE TRENCHING UNDERGROUND.
2. CONTRACTOR IS RESPONSIBLE FOR SITE PREPARATION FOR INSTALLATION OF EACH SYSTEM TO INCLUDE THE FOLLOWING:

GENERAL

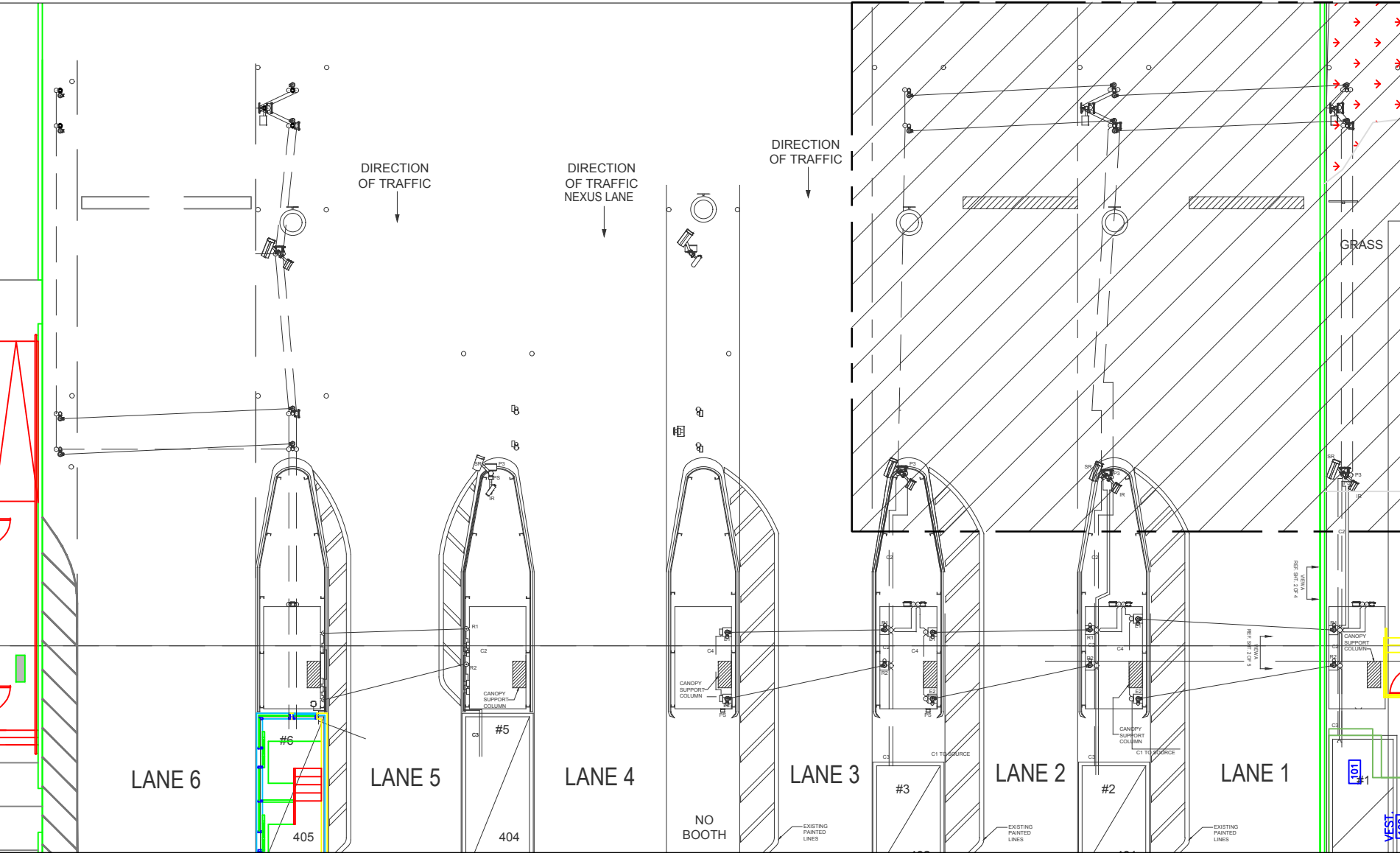
3. INSTALL MOUNTING POSTS, CONDUITS, J-BOXES, AC AND NETWORK CIRCUITS THROUGH CONDUIT.
4. TRENCH FOR CONDUIT, PULL AC WIRE AND SIGNAL CABLE THROUGH CONDUIT AND INTO ENCLOSURE OR JUNCTION BOX.
5. PROVIDE AND INSTALL JUNCTION OR PULL BOXES AT DESIGNATED LOCATIONS AND HEIGHTS AS SPECIFIED IN DRAWING. SIZE JUNCTION BOXES AS NEEDED FOR NUMBER / SIZE OF CONDUIT AND WIRING. REPLACE ANY EXISTING BOXES THAT DO NOT MEET MINIMUM REQUIREMENTS.
6. PROVIDE AND INSTALL ALL CONDUIT (EXCEPT FLEX TUBING FROM EQUIPMENT ON POSTS).
7. PROVIDE AND INSTALL ALL POSTS AND BOLLARDS.
 - A. PAINTING TO HAVE A FLAT, SMOOTH FINISH. TOUCH UP ANY DAMAGE TO PAINTED ITEMS THAT OCCUR DURING INSTALLATION.
 - B. RECOMMENDED POSTS ARE ROUND STEEL, BUT ALUMINUM CAN BE USED. GALVANIZED POSTS ARE NOT RECOMMENDED.
 - C. SURFACE FINISH (PAVEMENT, ETC.) AT BASE OF ALL POSTS AND FOOTINGS TO BE SMOOTH, LEVEL, AND MATCH EXISTING GRADE.
8. WHERE A NEW-TO-EXISTING CONDUIT CONNECTION IS INDICATED, THE CONTRACTOR IS TO PROVIDE MATERIALS AND LABOR REQUIRED TO MAKE THE CONNECTIONS.
9. PAINT STOP LINES, LANES MARKINGS AND HATCHING AS SPECIFIED, USING MATERIALS THAT MEET CBSA'S STANDARDS FOR ROADWAYS.
10. REPAIR AND PAINT DAMAGED POSTS DURING INSTALLATION
11. CBSA OR ITS ELECTRICAL/MECHANICAL SUBCONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF PRIOR SOLUTION INFRASTRUCTURE NOT REUSED BY AND OBSTRUCTING INSTALLATION OF THE NEW SOLUTION. CBSA SHALL ALSO BE RESPONSIBLE FOR REMOVAL OF ANY PRIOR SOLUTION PARTS INSTALLED BY CBSA'S SUBCONTRACTOR USING EXTRAORDINARY FASTENING METHODS (E.G. WELDING, PERMANENT EPOXY, ETC.) AND RELATED REPAIRS TO OR CONDITIONING OF STRUCTURES AND SURFACES.

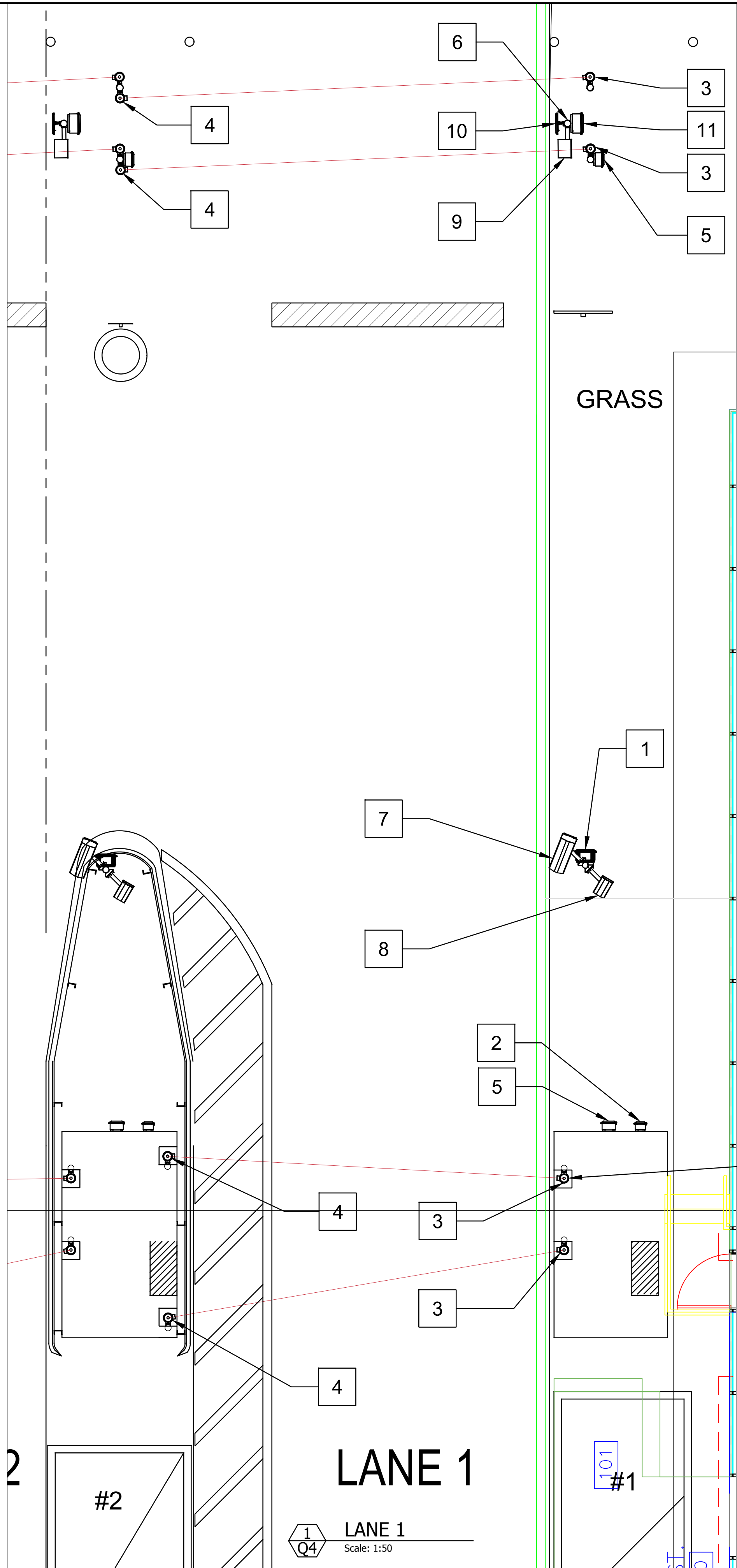
CABLES

12. PROVIDE HOME RUN AND BETWEEN POST WIRING FOR POWER AND SIGNAL.
13. CONTRACTOR IS TO PULL ALL CABLE RUNS IN UNDERGROUND CONDUIT, TO INCLUDE AC WIRES, NETWORK CABLE, AND MULTI-PAIR CABLES. RUN CABLES INTO J-BOXES AND ENCLOSURES AS INDICATED.
14. ALL NETWORK, AND MULTI-PAIR CABLES ARE TO BE INSTALLED IN CONTINUOUS RUNS WITH NO SPLICES.
15. CONNECTIONS TO NETWORK AND MULTI-PAIR CABLES IN LANE ELECTRONICS ENCLOSURE, AND POST MOUNTED DEVICE BOXES WILL BE MADE BY PERCEPTICS CERTIFIED INSTALLERS.
16. LEAVE 6 FT. OF MULTI-PAIR, AND NETWORK CABLE FREE INSIDE OF ENCLOSURES AND J-BOXES UNLESS SPECIFIED. LEAVE 3 FT. CABLE LOOPS IN JUNCTION BOXES WHEN CABLES ARE PASSED THROUGH TO OTHER JUNCTION BOXES (IF APPLICABLE).

POST NOTES (CIRCLE)

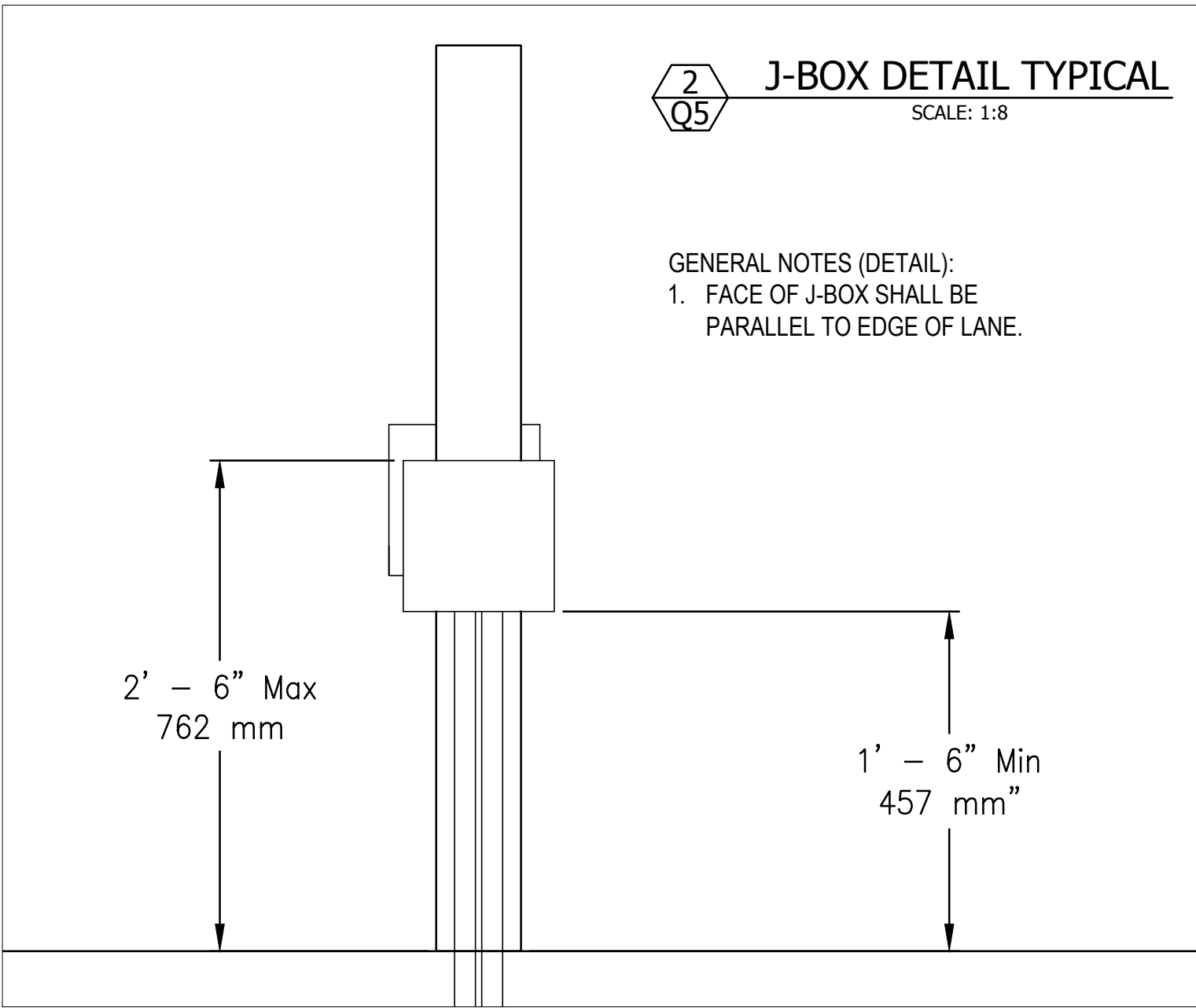
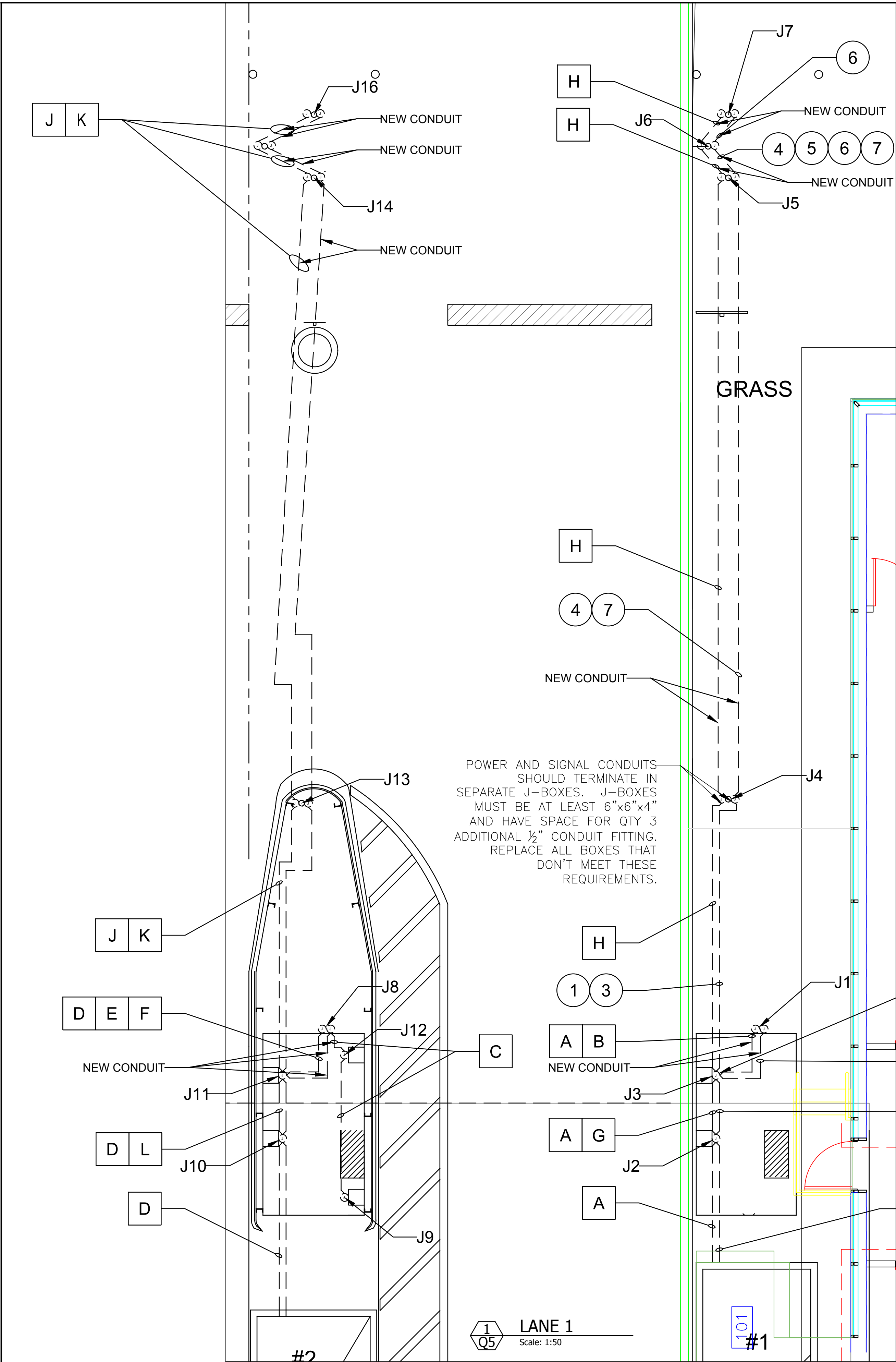
ITEM	DIAMETER	HEIGHT ABOVE ROAD	FILL	DESCRIPTION
1	4" [102mm]	48" [1219mm]	CAPPED	FOR MOUNTING VEHICLE DETECTION SENSORS
2	4" [102mm]	78" [1981mm]	CAPPED	FOR MOUNTING RFID EQUIPMENT





LANE 1 CONFIG 4 EQUIPMENT NOTES (SQUARE)		
ITEM	PART NUM	DESCRIPTION
1	SA0466	PANEL NAC PWR SIGNAL & NETWORK
2	SA0779	POWER DISTRIBUTION PANEL/FUSE
3	SA0751	HEATED RCVR SUBASSY 120V QD
4	SA0752	HEATED EMITTER SUBASSY 120V QD
5	SA0753	PANEL HT2-120V RCVR PWR/SIG
6	KT0467	signage displays to instruct users about the proper use of the RFID Solutions
7	IL5470	STRB IP54 70UF NA 120V
8	IMG720	IMAGER 85-264VAC AVP 2MP MONO
9	SA0774	LED SIGN ASSY CBSA
10	SA0456	RCR ANTENNAS SUBASSEMBLY M6
11	SA0461	RCR PANEL ASSY M6 NA POE

GENERAL NOTES:
1. EQUIPMENT INSTALLER TO INSTALL #526983 - FOUR (4) CONDUCTOR CABLE FROM CABLES FROM RECEIVER TO SA0753 ACROSS TOP OF CONCRETE BLOCK.



- GENERAL NOTES:**
- CONTRACTOR TO INSTALL UNDERGROUND CONDUIT AT A DEPTH OF 24 INCHES MINIMUM FROM THE TOP OF THE CONDUIT TO FINISH GRADE OR FINISH SURFACE. PROVIDE A MINIMUM OF 3 INCHES SEPARATION BETWEEN POWER AND COMMUNICATION CONDUITS. WHERE CONDUITS TRAVEL UNDER A SURFACE SUBJECT TO VEHICLE TRAFFIC, CONCRETE ENCASE THE CONDUITS WITH A MINIMUM OF 3 INCHES OF CONCRETE COVER ON ALL SIDES. PROVIDE MAGNETIC WARNING TAPE ABOVE CONDUITS AT 12 INCHES BELOW THE FINISHED SURFACE.
 - FOR NEW CONDUITS THE CONTRACTOR IS TO PROVIDE 2 (ONE FOR POWER, ONE FOR DATA) 1 INCH UNDERGROUND CONDUITS BETWEEN DEVICE POSTS AS SHOWN BY DASHED LINES. STUB UP CONDUIT INTO J-BOXES ON POSTS OR AS OTHERWISE INDICATED.
 - ALL J-BOXES SHOULD BE AT LEAST 6"x6"x4". REPLACE ANY BOXES THAT DON'T MEET THIS REQUIREMENT. THE FACE OF THE J-BOXES SHALL BE PARALLEL TO EDGE OF LANE.
 - ALL CABLE SHALL BE ROUTED IN CONDUIT (SOME NEW CONDUIT REQUIRED AS INDICATED ON DRAWING)

- GENERAL NOTES:**
- EQUIPMENT INSTALLER TO INSTALL #526983 - FOUR (4) CONDUCTOR CABLE FROM CABLES FROM RECEIVER TO SA0753 ACROSS TOP OF CONCRETE BLOCK.

CABLE SPECIFICATIONS: (LEAVE 6FT AT TERMINATION POINT)

POWER CONDUCTORS
12 AWG STRANDED THHN, 600 VAC.

BRANCH CIRCUIT CONDUCTORS:
NEUTRAL WHITE
LINE BLACK
GROUND GREEN

SYSTEM POWER CONDUCTORS:
NEUTRAL WHITE
LINE RED
GROUND GREEN

EMITTER POWER CONDUCTORS:
NEUTRAL BLUE
LINE BROWN
GROUND GREEN

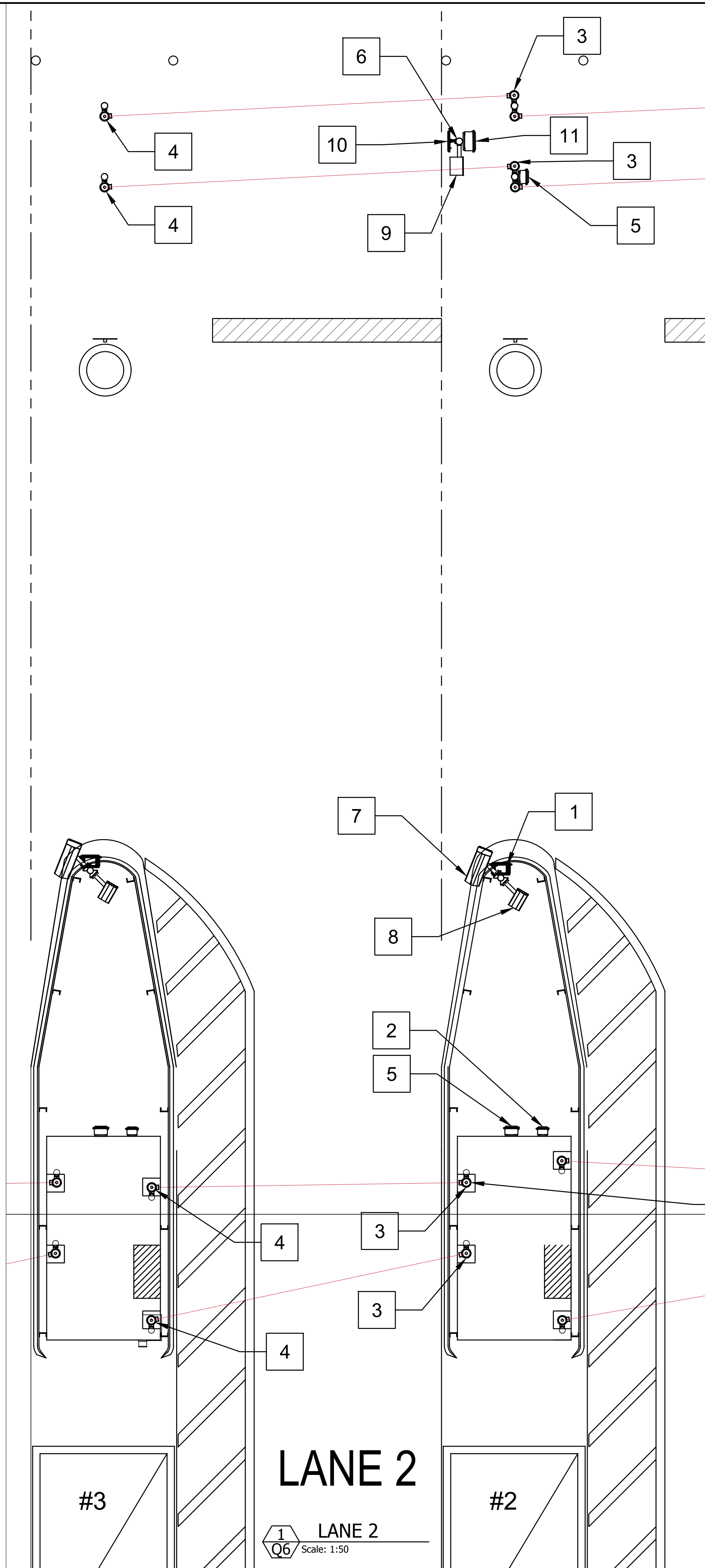
2-PAIR
JACKETED, SHIELDED, 2 TWISTED PAIR, 22AWG.
ALPHA WIRE COMPANY P/N 6373 OR EQUIVALENT.

NETWORK CABLE
CAT6 OR CAT6A, 4 pairs, category 6, solid. Conductor diameter (core): 0.51 mm (0.02") (24 AWG). Operating temperature -40° C to +60° C. Outer diameter: 6.6 mm (0.26")

POWER REQUIREMENTS:
Provide dedicated 20AMP Single Pole NON-GFI Type breaker per lane and label LPR-LANEX where X is the lane number.

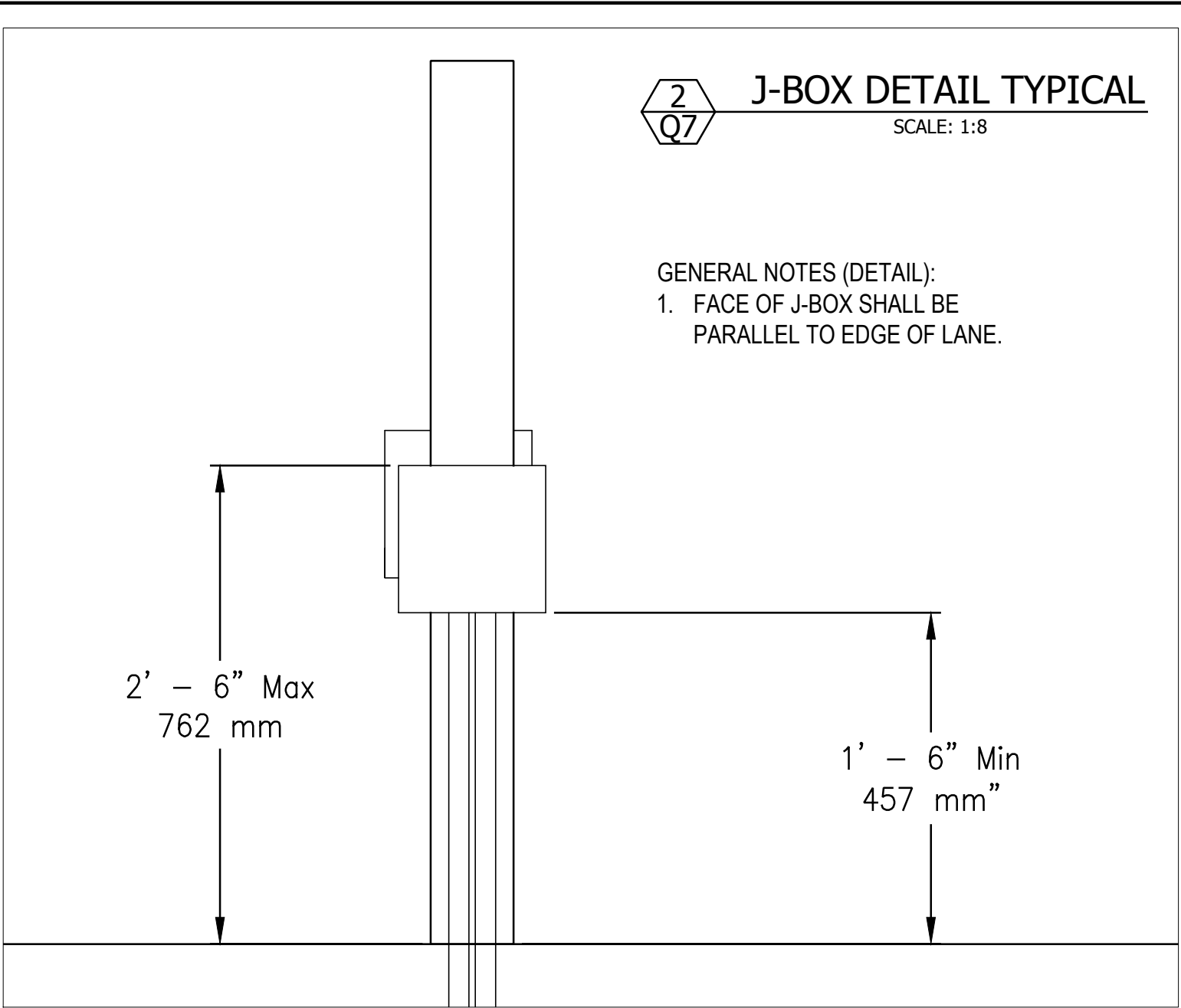
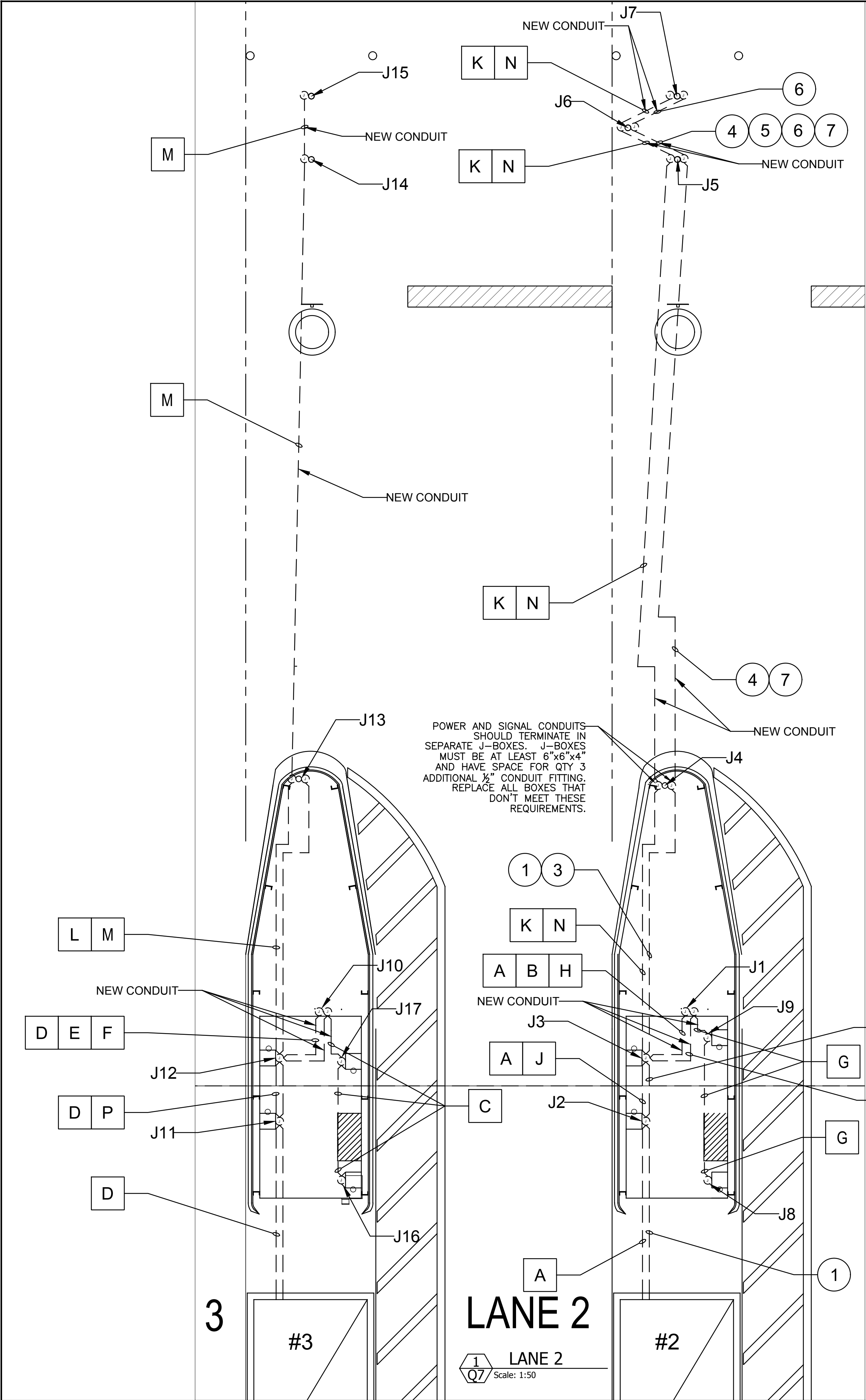
POWER CABLE SCHEDULE (SQUARE) CONTRACTOR PROVIDED			
ITEM	FROM	TO	DESCRIPTION
A	BREAKER	J1	LANE 1 - 120 VAC 20 AMP BRANCH POWER CONDUCTORS
B	J1	J3	LANE 1 - SYSTEM POWER CONDUCTORS
C	J8	J9 VIA J12	LANE 1 - EMITTER POWER CONDUCTORS
D	BREAKER	J8	LANE 2 - 120 VAC 20 AMP BRANCH POWER CONDUCTORS
E	J8	J11	LANE 2 - SYSTEM POWER CONDUCTORS
F	J8	J11	LANE 1 - EMITTER POWER CONDUCTORS
G	J3	J2	LANE 1 - SYSTEM POWER CONDUCTORS
H	J3	J7	LANE 1 - SYSTEM POWER CONDUCTORS
J	J11	J16	LANE 2 - SYSTEM POWER CONDUCTORS
K	J11	J16	LANE 1 - EMITTER POWER CONDUCTORS
L	J11	J10	LANE 2 - SYSTEM POWER CONDUCTORS

SIGNAL CABLE SCHEDULE (CIRCLE) CONTRACTOR PROVIDED			
ITEM	FROM	TO	DESCRIPTION
1	CBSA SWITCH	J4	CAT6
2	J1	J2	2-PAIR
3	J1	J4	2-PAIR
4	J4	J6	RFID CAT6
5	J5	J6	2-PAIR
6	J5	J7	2-PAIR
7	J4	J6	LED CAT6



LANE 2 CONFIG 4 EQUIPMENT NOTES (SQUARE)		
ITEM	PART NUM	DESCRIPTION
1	SA0466	PANEL NAC PWR SIGNAL & NETWORK
2	SA0779	POWER DISTRIBUTION PANEL/FUSE
3	SA0751	HEATED RCVR SUBASSY 120V QD
4	SA0752	HEATED EMITTER SUBASSY 120V QD
5	SA0753	PANEL HT2-120V RCVR PWR/SIG
6	KT0467	signage displays to instruct users about the proper use of the RFID Solutions
7	IL5470	STRB IP54 70UF NA 120V
8	IMG720	IMAGER 85-264VAC AVP 2MP MONO
9	SA0774	LED SIGN ASSY CBSA
10	SA0456	RCR ANTENNAS SUBASSEMBLY M6
11	SA0461	RCR PANEL ASSY M6 NA POE

GENERAL NOTES:
1. EQUIPMENT INSTALLER TO INSTALL #526983 - FOUR (4) CONDUCTOR CABLE FROM CABLES FROM RECEIVER TO SA0753 ACROSS TOP OF CONCRETE BLOCK.



CABLE SPECIFICATIONS: (LEAVE 6FT AT TERMINATION POINT)

POWER CONDUCTORS
12 AWG STRANDED THHN, 600 VAC.

BRANCH CIRCUIT CONDUCTORS:
NEUTRAL WHITE
LINE BLACK
GROUND GREEN

SYSTEM POWER CONDUCTORS:
NEUTRAL WHITE
LINE RED
GROUND GREEN

EMITTER POWER CONDUCTORS:
NEUTRAL BLUE
LINE BROWN
GROUND GREEN

2-PAIR
JACKETED, SHIELDED, 2 TWISTED PAIR, 22AWG.
ALPHA WIRE COMPANY P/N 6373 OR EQUIVALENT.

NETWORK CABLE
CAT6 OR CAT6A, 4 pairs, category 6, solid. Conductor diameter (core): 0.51 mm (0.02") (24 AWG). Operating temperature -40° C to +60° C. Outer diameter: 6.6 mm (0.26")

POWER REQUIREMENTS:
Provide dedicated 20AMP Single Pole NON-GFI Type breaker per lane and label LPR-LANEX where X is the lane number.

GENERAL NOTES:

- CONTRACTOR TO INSTALL UNDERGROUND CONDUIT AT A DEPTH OF 24 INCHES MINIMUM FROM THE TOP OF THE CONDUIT TO FINISH GRADE OR FINISH SURFACE. PROVIDE A MINIMUM OF 3 INCHES SEPARATION BETWEEN POWER AND COMMUNICATION CONDUITS. WHERE CONDUITS TRAVEL UNDER A SURFACE SUBJECT TO VEHICLE TRAFFIC, CONCRETE ENCASE THE CONDUITS WITH A MINIMUM OF 3 INCHES OF CONCRETE COVER ON ALL SIDES. PROVIDE MAGNETIC WARNING TAPE ABOVE CONDUITS AT 12 INCHES BELOW THE FINISHED SURFACE.
- FOR NEW CONDUITS THE CONTRACTOR IS TO PROVIDE 2 (ONE FOR POWER, ONE FOR DATA) 1 INCH UNDERGROUND CONDUITS BETWEEN DEVICE POSTS AS SHOWN BY DASHED LINES. STUB UP CONDUIT INTO J-BOXES ON POSTS OR AS OTHERWISE INDICATED.
- ALL J-BOXES SHOULD BE AT LEAST 6"x6"x4". REPLACE ANY BOXES THAT DON'T MEET THIS REQUIREMENT. THE FACE OF THE J-BOXES SHALL BE PARALLEL TO EDGE OF LANE.
- ALL CABLE SHALL BE ROUTED IN CONDUIT (SOME NEW CONDUIT REQUIRED AS INDICATED ON DRAWING)

POWER CABLE SCHEDULE (SQUARE) CONTRACTOR PROVIDED			
ITEM	FROM	TO	DESCRIPTION
A	BREAKER	J1	LANE 2 - 120 VAC 20 AMP BRANCH POWER CONDUCTORS
B	J1	J3	LANE 2 - SYSTEM POWER CONDUCTORS
C	J10	J16 via J17	LANE 2 - EMITTER POWER CONDUCTORS
D	BREAKER	J10	LANE 3 - 120 VAC 20 AMP BRANCH POWER CONDUCTORS
E	J10	J12	LANE 3 - SYSTEM POWER CONDUCTORS
F	J10	J12	LANE 2 - EMITTER POWER CONDUCTORS
G	J1	J8 via J9	LANE 1 - EMITTER POWER CONDUCTORS
H	J1	J3	LANE 1 - EMITTER POWER CONDUCTORS
J	J3	J2	LANE 2 - SYSTEM POWER CONDUCTORS
K	J3	J7	LANE 2 - SYSTEM POWER CONDUCTORS
L	J12	J13	LANE 3 - SYSTEM POWER CONDUCTORS
M	J12	J15	LANE 2 - EMITTER POWER CONDUCTORS
N	J3	J7	LANE 1 - EMITTER POWER CONDUCTORS
P	J12	J11	LANE 3 - SYSTEM POWER CONDUCTORS

SIGNAL CABLE SCHEDULE (CIRCLE) CONTRACTOR PROVIDED			
ITEM	FROM	TO	DESCRIPTION
1	CBSA SWITCH	J4	CAT6
2	J1	J2	2-PAIR
3	J1	J4	2-PAIR
4	J4	J6	RFID CAT6
5	J5	J6	2-PAIR
6	J5	J7	2-PAIR
7	J4	J6	LED CAT6