

Town of Ledyard, Connecticut
RFP/RFQ #2021-02: Engineering Services for Ledyard High School Pathway Project
Addendum #2
September 21, 2020

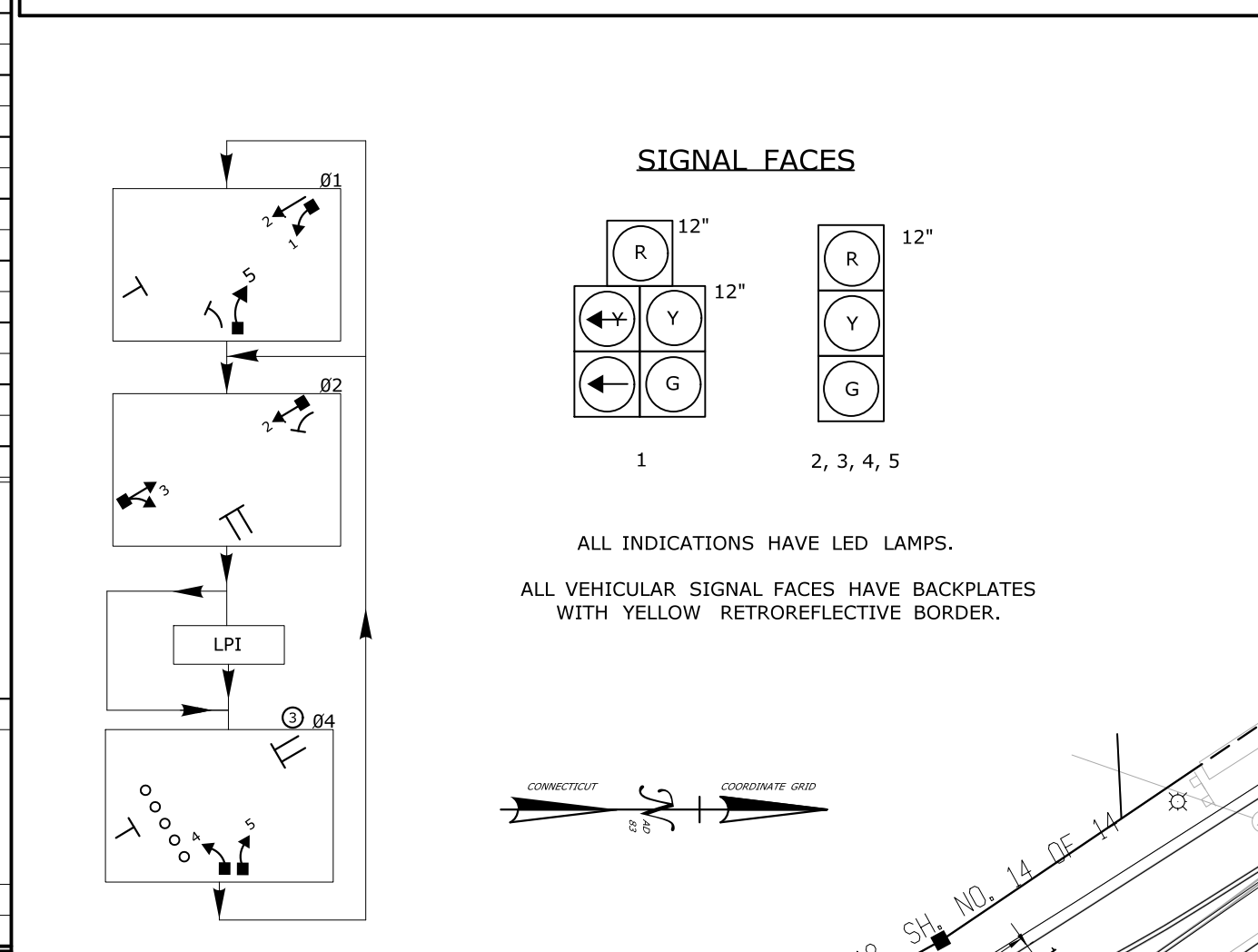
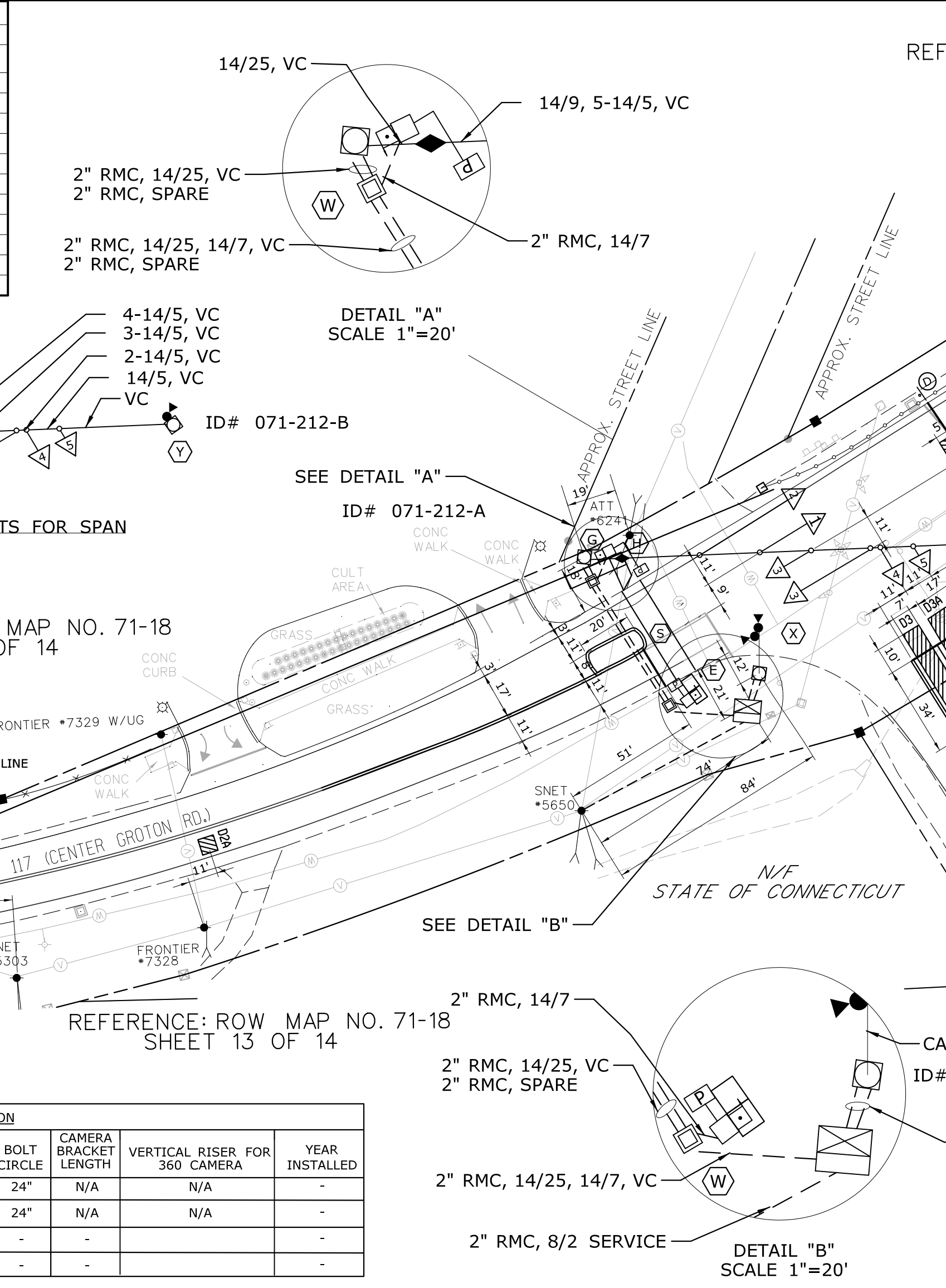
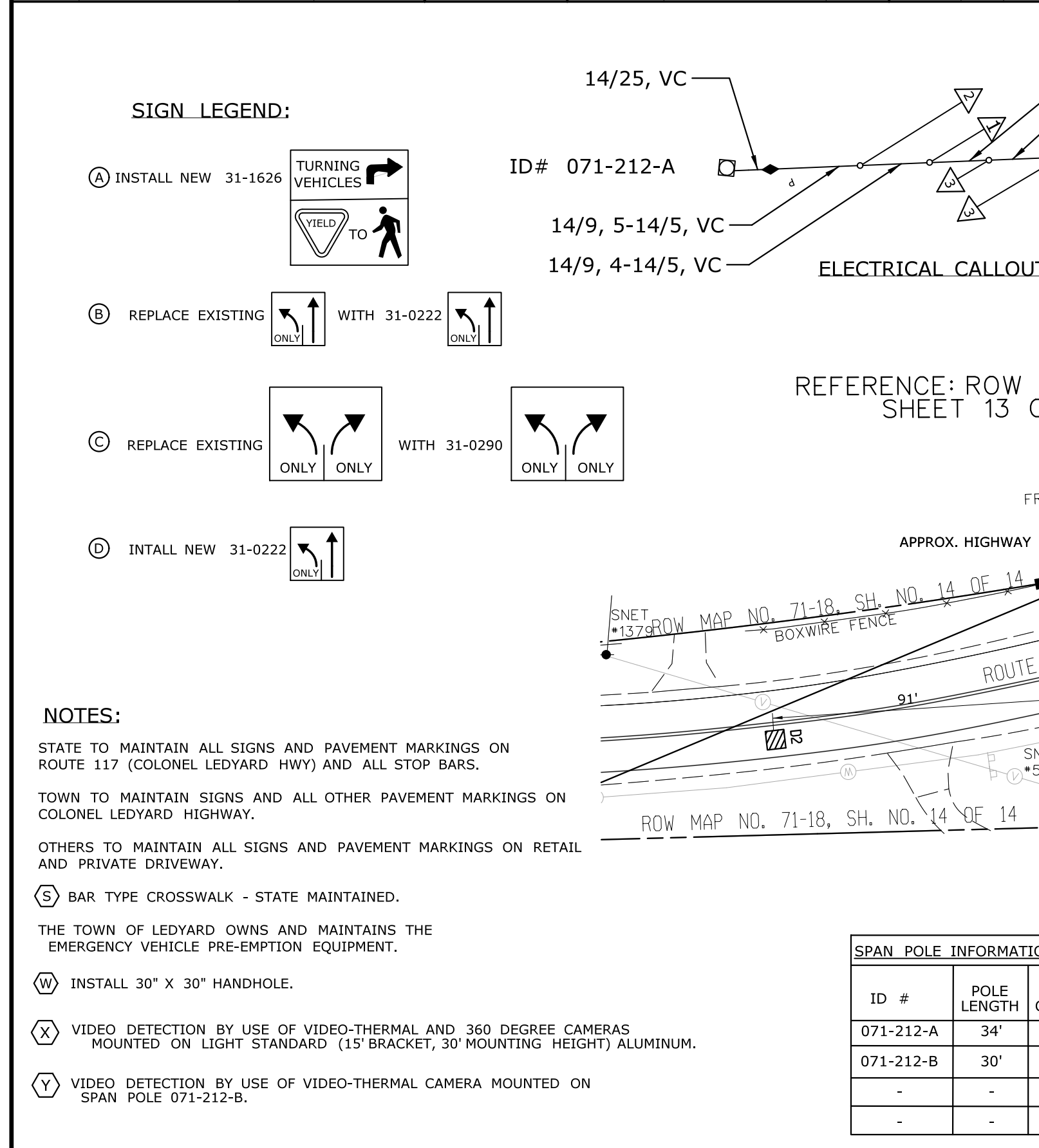
See attached preliminary CT DOT Traffic Control Signal Plan Intersection 071-212 plan.

MOVEMENT DIAGRAM																																
NTOR	PHASE 1				PHASE 2				PHASE 3				PHASE 4				PHASE 5				PHASE 6				PHASE 7				PHASE 8			
NONE	[Diagram]				[Diagram]				[Diagram]				[Diagram]				[Diagram]				[Diagram]				[Diagram]				[Diagram]			
	FLASH	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	LPI	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL
F	1	Y	←G	←G	G	G	Y	R				R	R	R	R																	
A	2	Y	G	G	G	Y	R				R	R	R	R																		
C	3	Y	R	R	R	G	Y	R			R	R	R	R																		
E	4	R	R	R	R	R	R	R			R	R	R	R																		
#	5	R	R	R	R	R	R	R			R	R	R	R																		
	P	OFF	←DW	←DW	←DW	←DW	←DW	←DW			W0	←DW	←DW	←DW																		
I	MIN GRN	5				15				9																						
N	WALK									4				11																		
T	PED CLR									3				3																		
R	VEH EXT	2.0				2.5				2.0				2.0																		
A	MAX 1	10				40				17				17																		
S	MAX 2	15				50				25				25																		
E	YELLOW	3.0				4.2				3.3				3.3																		
R	RED	1.0				1.5				1.0				1.0																		
A	ADD INIT																															
S	MAX INIT																															
E	TBR																															
R	TTR																															
A	MIN GAP																															
N	MODE	NON-LOCK				MIN RECALL				OFF				NON-LOCK				OFF				OFF				OFF						
I	INIT START	THIS PHASE																														

TECHNICAL NOTES	
1	STANDARD OVERLAP SKIP FEATURES APPLY
2	PERCUSSIVE TONE ONLY DURING PEDESTRIAN WALK INTERVAL.
3	COUNTDOWN ONLY DURING FLASHING PEDESTRIAN CHANGE INTERVAL.
4	CONCURRENT PED PHASE ONLY COMES IN WHEN ACTUATED BY PUSHBUTTON.
5	PHASE 2 ON TO OMIT PHASE 1

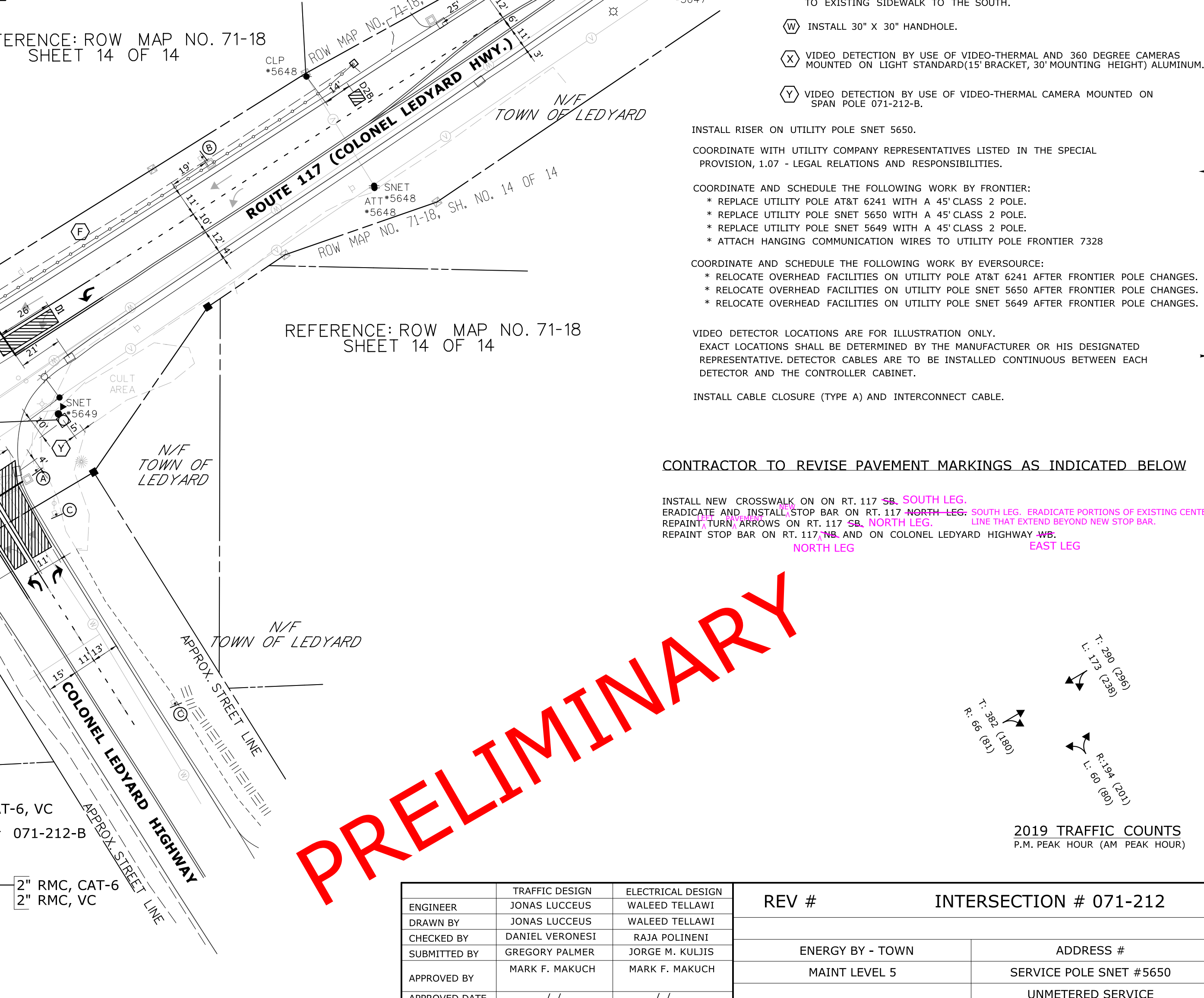
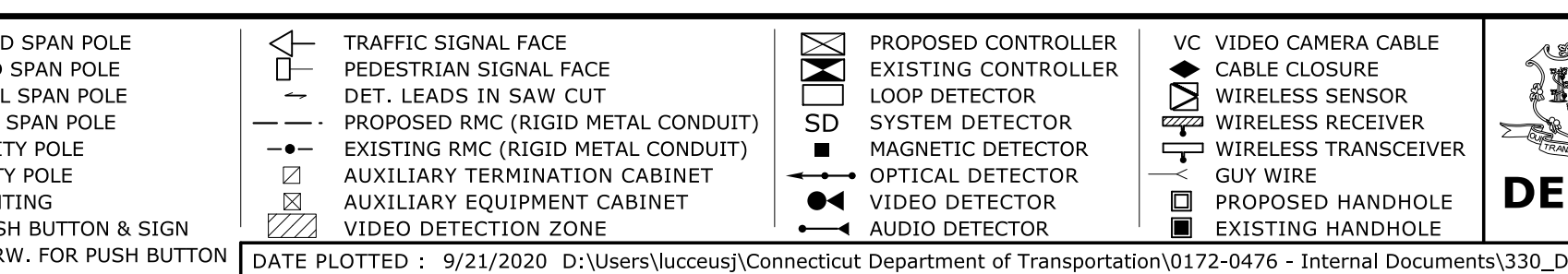
OFFICE RECORD	
REV #	SM # N/A
TR # N/A	SIGNAL REVISED:
REPLACED TRAFFIC CONTROL SIGNAL EQUIPMENT UNDER STATE PROJECT NO. 0172-0476.	

DETECTORS										
IDENT	SIZE (WXL)	TYPE	MODE	SYSTEM LOC	COORDINATION TYPE: NONE	FUNCTION	PROGRAM TIME	DAYS	CYCLE	OFFSET
D1	6' X 31'	VIDEO 360	PRESENCE	MASTER	NONE	FLASH	NONE			
D2	6' X 6'	VIDEO-THERM	PRESENCE			MAX 1	ALL OTHER TIMES			
D2A	6' X 6'	VIDEO-THERM	PRESENCE			MAX 2				
D2B	6' X 6'	VIDEO-THERM	PRESENCE				0700-0900	M-SAT		
D2C	6' X 6'	VIDEO-THERM	PRESENCE				1530-1800			
D4	6' X 44'	VIDEO 360	PRESENCE							
D4	SEE PLAN	VIDEO 360	8" DELAY							



- CONSTRUCTION NOTES:**
- ALL TRAFFIC SIGNAL EQUIPMENT IS NEW.
 - STATE FORCES TO STAKE ALL R.O.W PRIOR TO EXCAVATION UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
 - ANY PROPOSED REVISIONS TO THE LOCATION OF THE APPURTENANCES SHOWN ON THE PLAN MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY THE DIVISION OF TRAFFIC ENGINEERING PRIOR TO INSTALLATION.
 - THE LOCATION OF TRAFFIC SIGNAL FOUNDATIONS WHEN IN OR ADJACENT TO SIDEWALKS SHALL BE VERIFIED PRIOR TO INSTALLATION TO PROVIDE A FREE PATH OF NOT LESS THAN 4 FEET. IF A MINIMUM 4 FOOT FREE PATH IS UNAVAILABLE NOTIFY THE ENGINEER AND CONTACT THE DIVISION OF TRAFFIC ENGINEERING.
 - REMOVE ALL ABANDONED TRAFFIC SIGNAL EQUIPMENT PER SPECIAL PROVISION.
 - INSTALL PEDESTAL FOUNDATIONS ADJACENT TO LANDING AREAS.
 - (E) CONSTRUCT TYPE 13 SIDEWALK RAMP PER GUIDE SHEETS.
 - (F) TRIM TREE BRANCHES/VEGETATION TO WORK TO BE PAID UNDER ITEM NO.0952001A SELECTIVE CLEARING AND THINNING.
 - (G) INSTALL SPAN POLE FOUNDATION ADJACENT TO AND WITHIN R.O.W.
 - (H) CONSTRUCT TYPE 13 SIDEWALK RAMP PER GUIDE SHEETS. INSTALL CONCRETE SIDEWALK TO CONNECT LANDING AREA TO EXISTING SIDEWALK TO THE SOUTH.
 - (W) INSTALL 30" X 30" HANDHOLE.
 - (X) VIDEO DETECTION BY USE OF VIDEO-THERMAL AND 360 DEGREE CAMERAS MOUNTED ON LIGHT STANDARD(15' BRACKET, 30' MOUNTING HEIGHT) ALUMINUM.
 - (Y) VIDEO DETECTION BY USE OF VIDEO-THERMAL CAMERA MOUNTED ON SPAN POLE 071-212-B.

SPAN POLE INFORMATION					
ID #	POLE LENGTH	BOLT CIRCLE	CAMERA BRACKET LENGTH	VERTICAL RISER FOR 360 CAMERA	YEAR INSTALLED
071-212-A	34'	24"	N/A	N/A	-
071-212-B	30'	24"	N/A	N/A	-
-	-	-	-	-	-



REV #		INTERSECTION # 071-212	
ENGINEER	JONAS LUCCEUS	ELECTRICAL DESIGN	WALEED TELLAWI
DRAWN BY	JONAS LUCCEUS	WALEED TELLAWI	
CHECKED BY	DANIEL VERONESI	RAJA POLLINENT	
SUBMITTED BY	GREGORY PALMER	JORGE M. KULJIS	
APPROVED BY	MARK F. MAKUCH	MARK F. MAKUCH	
APPROVED DATE	J-J	J-J	

TOWN:		PROJECT NO.	
LEDYARD		0172-0476	
DRAWING TITLE:		DRAWING NO.	
TRAFFIC CONTROL SIGNAL PLAN		TCS-07	
		SHEET NO.	