

04-26-2019 LETTING ITEM 147

**INDEX OF SHEETS**

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

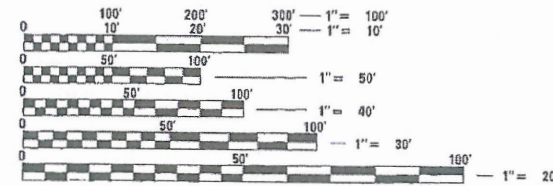
**FEDERAL AID HIGHWAY**

**C.H. 5 (N. 18TH RD.) & IL RTE 23  
LASALLE COUNTY  
SECTION 18-00380-00-SP  
PROJECT NO. UA2T(159)  
INTERSECTION SAFETY IMPROVEMENT  
C-93-001-21**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	18-00380-00-SP	LASALLE	12	1
FED. ROAD DIST. NO. 7	ILLINOIS	CONTRACT NO. 87714		



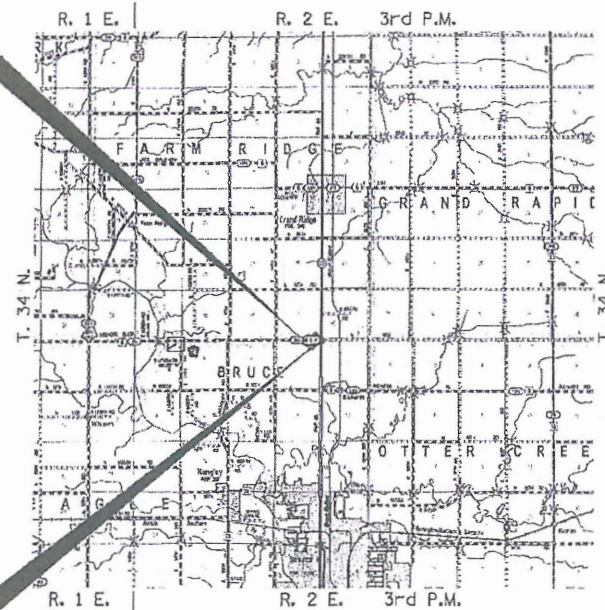
DESIGN CLASSIFICATION:  
 F.A.S. 263 (C.H. 5) = COLLECTOR  
 F.A.P. 68 (IL 23) = MINOR ARTERIAL  
 CURRENT ADT (2016):  
 F.A.S. 263 (C.H. 5) = 1200  
 F.A.P. 68 (IL 23) = 7400  
 DESIGN ADT (2019):  
 F.A.S. 263 (C.H. 5) = 1275  
 F.A.P. 68 (IL 23) = 7855  
 DESIGN SPEED:  
 F.A.S. 263 (C.H. 5) = 60 MPH  
 F.A.P. 68 (IL 23) = 60 MPH



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.  
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
 1-800-892-0123  
 OR 811

**BEGIN IMPROVEMENT  
C.H. 5 (N. 18TH RD.)  
STA 100+00**



**END IMPROVEMENT  
C.H. 5 (N. 18TH RD.)  
STA 111+00**

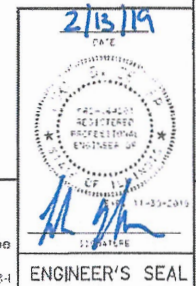
C.H. 5 (N. 18TH RD.) NET LENGTH OF PROJECT = 1,100 FEET = 0.208 MILES

N  
  
 LOCATION MAP  
 NOT TO SCALE

APPROVED <u>February 13, 2019</u>	2019
 LASALLE COUNTY ENGINEER	
PASSED <u>2/25</u>	2019
 DISTRICT THREE ENGINEER OF LOCAL ROADS & STREETS	
Released For Bid Based on Limited Review <u>2/25</u> 2019	
 REGION TWO ENGINEER	
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
<b>PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS</b>	

**CONTRACT NO. 87714**

**Hutchinson Engineering, Inc.**  
 Jacksonville - Peoria - Shawneetown - Moline  
 Since 1945



2019 JOB #4384

GENERAL NOTES

THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH ALL STATE REGULATIONS REGARDING AIR, WATER AND NOISE POLLUTION. HE/SHE WILL NOT BE ALLOWED TO BUILD FIRES ON THE SITE.

THE SCALE SHOWN ON THE DRAWINGS APPLIES ONLY TO FULL SIZE PLANS AND NOT TO THE REDUCED SIZE PLANS.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS PROJECT, SPECIFICALLY AS THEY RELATE TO THE LUMP SUM PAY ITEMS.

THE LOCATIONS OF KNOWN UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE AND DOES NOT GUARANTEE THEIR ACCURACY. THE CONTRACTOR SHALL VERIFY THE LOCATION OF THESE UTILITIES AND THE EXISTENCE AND LOCATION OF ANY UTILITY NOT SHOWN ON THE PLANS.

THE CONTRACTOR SHALL NOTIFY THE UTILITIES AT LEAST TEN (10) DAYS PRIOR TO ANY CONSTRUCTION IN THE AREA AND SHALL COMPLY WITH ALL RESTRICTIONS FOR EQUIPMENT MOVEMENTS AND CLEARANCES AS REGARDS TO THEIR FACILITIES.

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR MUST CALL J.U.L.I.E. AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRICAL, TELEPHONE, GAS FACILITIES, AND ALL PUBLIC UTILITIES. A 48 HOUR NOTIFICATION IS REQUIRED.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.

THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTIES AT ALL TIMES DURING CONSTRUCTION OF THE PROJECT.

IF ANY LOOSE MATERIAL IS DEPOSITED DURING CONSTRUCTION OPERATIONS IN THE FLOW LINE OF DITCHES, GUTTERS OR DRAINAGE STRUCTURES SO THAT IT RESTRICTS THE NATURAL FLOW OF WATER, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SO AFFECTED SHALL BE FREE FROM ALL DEBRIS. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THIS CONTRACT.

ALL FRAMES, GRATES, SIGNS, FENCES AND DELINEATORS, NEW OR EXISTING, DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.

EXISTING PAVEMENT, SIDEWALK, DRIVEWAY PAVEMENT, CURB AND GUTTER AND EXISTING DRAINAGE STRUCTURES NOT INCLUDED IN THE PLANS FOR REMOVAL, BUT DAMAGED DUE TO THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.

NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENTS ARE MET.

WHERE SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER AND AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

THE THICKNESS OF HMA SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA IS PLACED.

MEMBERS OF J.U.L.I.E. KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:

1. COMED, AN EXELON COMPANY
2. FRONTIER COMMUNICATIONS
3. ILLINOIS FIBER RESOURCES
4. MTCO COMMUNICATIONS
5. MEDIACOM LLC

THE CONTRACTOR SHALL CONTACT J.U.L.I.E. AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.

ALL CONSTRUCTION PERSONNEL WILL BE REQUIRED TO WEAR CLASS II VESTS AT ALL TIMES WHILE ON THE CONSTRUCTION SITE. COMPLIANCE WITH THIS REQUIREMENT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

THERE ARE NO COMMITMENTS FOR THIS PROJECT.

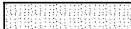
THE FOLLOWING RATES OF APPLICATION HAVE BEEN ASSUMED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS----- 2.05 TONS/CU YD  
 BITUMINOUS MATERIALS PRIME COAT----- 0.05 LBS/SQ FT OR  
 0.025 LBS/SQ FT  
 HOT-MIX ASPHALT SURFACE COURSE..... 112 LBS/SQ YD/INCH  
 HOT-MIX ASPHALT BINDER COURSE..... 112 LBS/SQ YD/INCH  
 LEVELING BINDER (MACHINE METHOD)..... 112 LBS/SQ YD/INCH

LIST OF STANDARDS

000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
780001-05	TYPICAL PAVEMENT MARKINGS
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-03	HANDHOLES
821101-02	LUMINAIRE WIRING IN POLE
825001-04	LIGHTING CONTROLLER POLE MOUNTED, 240V
830006-05	LIGHT POLE ALUMINUM DAVIT ARM
836001-04	LIGHT POLE FOUNDATION
838001-01	BREAKAWAY DEVICES
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
B.L.R. 18-6	TRAFFIC CONTROL DEVICES - DAY LABOR MAINTENANCE

LEGEND

 HOT-MIX ASPHALT BUTT JOINT

FILE NAME =	USER NAME = BWedemeyer	DESIGNED -	REVISED -	<b>LASALLE COUNTY HIGHWAY DEPARTMENT</b>	<b>C.H. 5 (N. 18TH RD.) LIST OF STANDARDS, GENERAL NOTES &amp; LEGEND</b>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
V:\4384 - CH 5 HSIP LaSalle\CADD\CADD	Sheets\4384-sht-gennote.dgn	DRAWN -	REVISED -			263	18-00380-00-SP	LASALLE	12	2	
	PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 87714					
	PLOT DATE = 3/13/2019	DATE -	REVISED -			SCALE: N/A	SHEET NO. 1 OF 1 SHEETS	STA. N/A	TO STA. N/A	ILLINOIS FED. AID PROJECT UA21(159)	

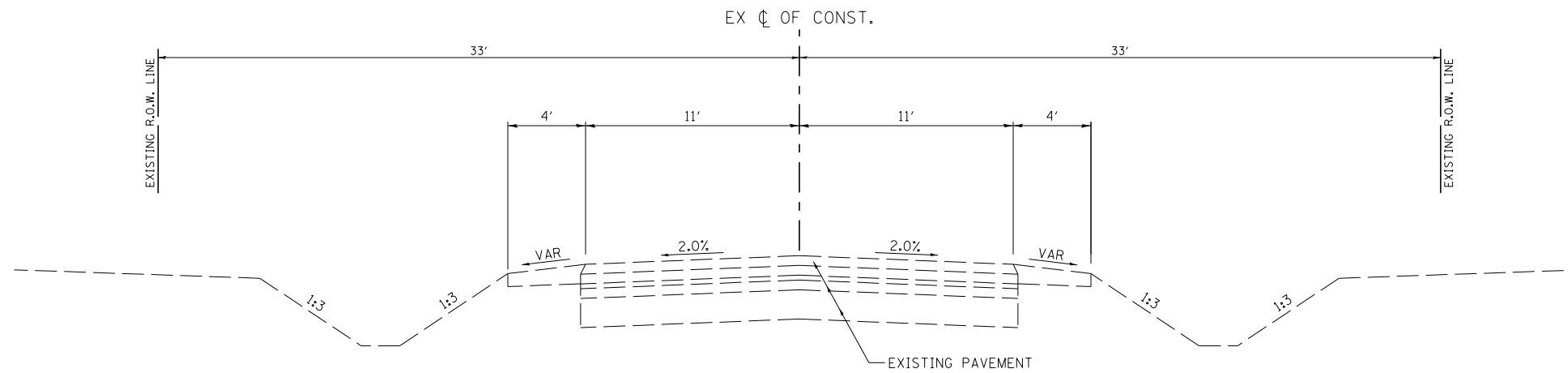
**SUMMARY OF QUANTITIES**

SPECIAL PROVISION	CODE NO.	DESCRIPTION	UNIT	CONSTRUCTION CODE 0021
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	1296
	40600627	LEVELING BINDER (MACHINE METHOD), IL-9.5 FG, N50	TON	184
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	483
	40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	251
	48102100	AGGREGATE WEDGE SHOULDERS, TYPE B	TON	130
	48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	94
	67100100	MOBILIZATION	L SUM	1
SP	70300100	SHORT TERM PAVEMENT MARKING	FOOT	181
△ SP	72000100	SIGN PANEL - TYPE 1	SQ FT	31
△ SP	73000100	WOOD SIGN SUPPORT	FOOT	60
△	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	4430
△	78004280	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 24"	FOOT	23
△ SP	80500100	SERVICE INSTALLATION, TYPE A	EACH	1
△ SP	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	151
△ SP	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	68
△ SP	81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	2441
△ SP	81028390	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	15
△	81100500	CONDUIT ATTACHED TO STRUCTURE, 1 1/2" DIA., GALVANIZED STEEL	FOOT	96
△ SP	81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	9
△	81603010	UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4"	FOOT	200
△	81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	180
△ SP	82110005	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION E	EACH	1
△ SP	82500310	LIGHTING CONTROLLER, POLE MOUNTED, 240VOLT, 60AMP	EACH	1
△	83000600	LIGHT POLE, ALUMINUM, 30 FT. M.H., 15 FT. DAVIT ARM	EACH	1
△	83600300	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	13
△	83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	1
△ SP	85800100	FLASHER CONTROLLER	EACH	1
△	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	3055
△	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	15
△	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	2690
△	88040030	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 1-SECTION, POST MOUNTED	EACH	6
△ SP	X0326887	WOOD POLE, 25 FT, CLASS 4	EACH	1
SP	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
△ SP	X7200105	SIGN PANEL - TYPE 1 (SPECIAL)	SQ FT	8
△ SP	X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
SP	Z0013798	CONSTRUCTION LAYOUT	L SUM	1
SP	Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	1100
SP	Z0055500	RUMBLE STRIP	SQ FT	750

△ SPECIALTY ITEMS

MODEL Detail FILE NAME: 18-00384 - C1.5 1151P LASALLECOUNTY.CADD Sheets\384-18-00-1.dwg

USER NAME = Bwedemeier	DESIGNED -	REVISED -	<b>LASALLE COUNTY HIGHWAY DEPARTMENT</b>	<b>C.H. 5 (N. 18TH RD.) SUMMARY OF QUANTITIES</b>			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 2,000' / in.	DRAWN -	REVISED -		SCALE: N/A	SHEET 1	OF 1 SHEETS	263	18-00380-00-SP	LASALLE	12	3
PLOT DATE = 3/20/2019	CHECKED -	REVISED -		STA. N/A	TO STA. N/A		CONTRACT NO. 87714				
	DATE -	REVISED -		ILLINOIS   FED. AID PROJECT UA271(159)							

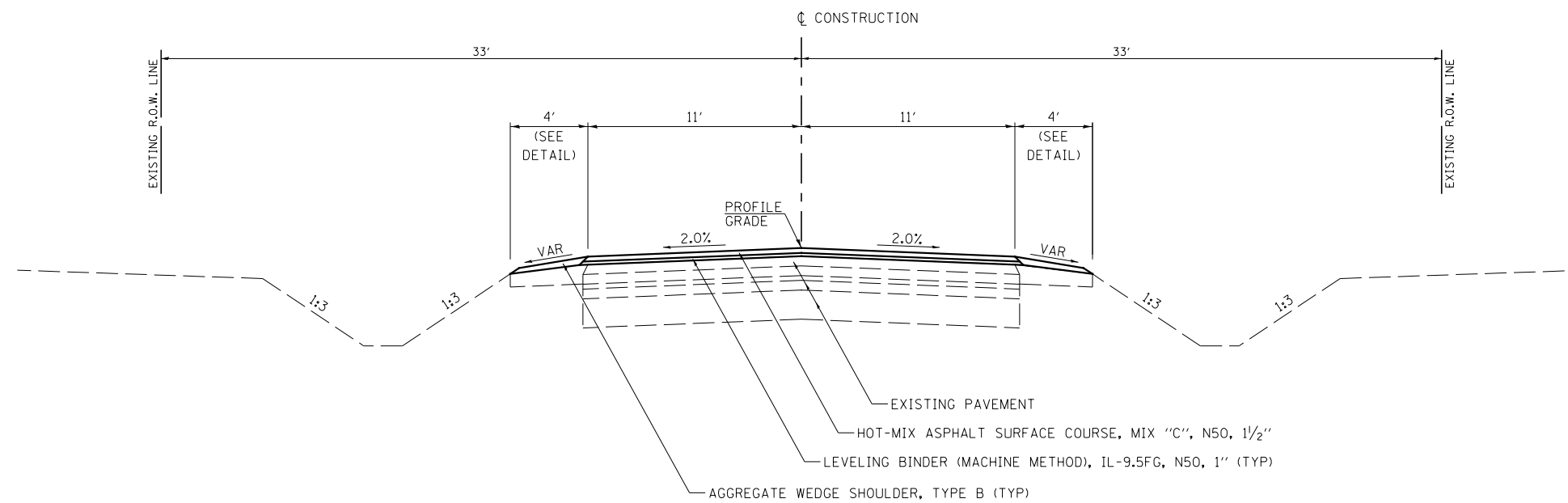


**EXISTING TYPICAL SECTION**

**C.H. 5 (N. 18TH RD.)**

STA 100+00 TO STA 111+00

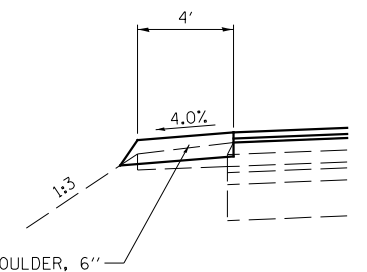
HOT-MIX ASPHALT MIXTURE REQUIREMENTS				
LOCATION(S):	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT
MIXTURE USE(S):	HMA BINDER	HMA SURFACE	HMA SHOULDER BOTTOM LIFT(S)	HMA SHOULDER TOP LIFT
BINDER GRADE (PG):	PG64-22	PG64-22	PG64-22	PG64-22
DESIGN AIR VOIDS:	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL 9.5FG	IL 9.5	IL 19.0	IL 9.5
FRICTION AGGREGATE:		MIXTURE C		
MIXTURE WEIGHT:	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN
QUALITY MANAGEMENT PROGRAM:	QCOA	QCOA	QCOA	QCOA
SUBLOT SIZE:	NA	NA	NA	NA
DENSITY TEST METHOD:	CORES/NUCLEAR	CORES/NUCLEAR	CORES/NUCLEAR	CORES/NUCLEAR



**PROPOSED TYPICAL SECTION**

**C.H. 5 (N. 18TH RD.)**

STA 100+00 TO STA 111+00



**DETAIL**

STA 110+25 TO STA 111+00

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	DRAWN -	REVISED -
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PLOT DATE = 3/13/2019	DATE -	REVISED -

**LASALLE COUNTY  
HIGHWAY DEPARTMENT**

**C.H. 5 (N. 18TH RD.)  
TYPICAL SECTIONS**

SCALE: N/A SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	18-00380-00-5P	LASALLE	12	4
CONTRACT NO. 87714				
ILLINOIS FED. AID PROJECT UA2T(159)				

PAVEMENT										
STATION TO STATION	BITUMINOUS MATERIALS (TACK COAT) (0.05 LBS/SF)	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N50	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	AGGREGATE WEDGE SHOULDERS, TYPE B	HOT-MIX ASPHALT SHOULDERS, 6"	LONGITUDINAL JOINT SEALANT	POUND	TON	TON
C.H. 5 (N. 18TH RD.)										
100+00.00 TO 111+00.00	1296	184	483	251	130	94	1100			
<b>TOTAL</b>	<b>1296</b>	<b>184</b>	<b>483</b>	<b>251</b>	<b>130</b>	<b>94</b>	<b>1100</b>			

LONGITUDINAL JOINT SEALANT TO BE PLACED UNDER THE SURFACE COURSE LIFT. SEE SPECIAL PROVISIONS FOR MORE INFORMATION.

PAVEMENT MARKING				
STATION TO STATION	PAINT PAVEMENT MARKING		PREFORMED PLASTIC TYPE B - INLAID - LINE 24"	
	LINE 4"		FOOT	
	SOLID	DOUBLE	SOLID	SOLID
	WHITE	YELLOW	WHITE	WHITE
	EDGE OF PVMT	CL	STOP BAR	STOP BAR
C.H. 5 (N. 18TH RD.)				
100+00 TO 111+00	2260	2170	23	
<b>TOTAL</b>	<b>4430</b>		<b>23</b>	

RUMBLE STRIP				
LOCATION		EB / WB	SQ FT	
STATION +/- TO	STATION +/-			
C.H. 5 (N. 18TH RD.)				
102+16.0 TO	102+41.0	EB	250	
105+81.0 TO	106+06.0	EB	250	
107+81.0 TO	108+06.0	EB	250	
<b>TOTAL</b>			<b>750</b>	

SHORT-TERM PAVEMENT MARKING				
STATION TO STATION	SKIP DASH		SOLID	
	YELLOW	WHITE	YELLOW	WHITE
	CENTER LINE	STOP BAR	STOP BAR	STOP BAR
	FOOT			
C.H. 5 (N. 18TH RD.)				
100+00 TO	110+85	112	69	
<b>SUB-TOTAL</b>		<b>112</b>	<b>69</b>	
<b>TOTAL</b>		<b>181</b>		

SIGN PANEL AND SIGN SUPPORTS					
LOCATION		MUTCD SIGN DESIGNATION	SIGN PANEL - TYPE 1	WOOD SIGN SUPPORT	SIGN PANEL - TYPE 1 (SPECIAL)
STATION	SIDE		SQ FT	FOOT	SQ FT
C.H. 5 (N. 18TH RD.)					
104+16	LT	W3-1	6.25	14	
104+16	RT	W3-1	6.25	14	
110+81	LT	R1-1	9.00	16	3.75
		W4-I100			
110+81	RT	R1-1	9.00	16	3.75
		W4-I100			
<b>TOTAL</b>			<b>30.5</b>	<b>60</b>	<b>7.5</b>
<b>USE</b>			<b>31</b>	<b>60</b>	<b>8</b>

SEE TRAFFIC SIGNAL PLANS AND SPECIAL PROVISIONS FOR MORE INFORMATION ON SIGN PANEL - TYPE 1 (SPECIAL)

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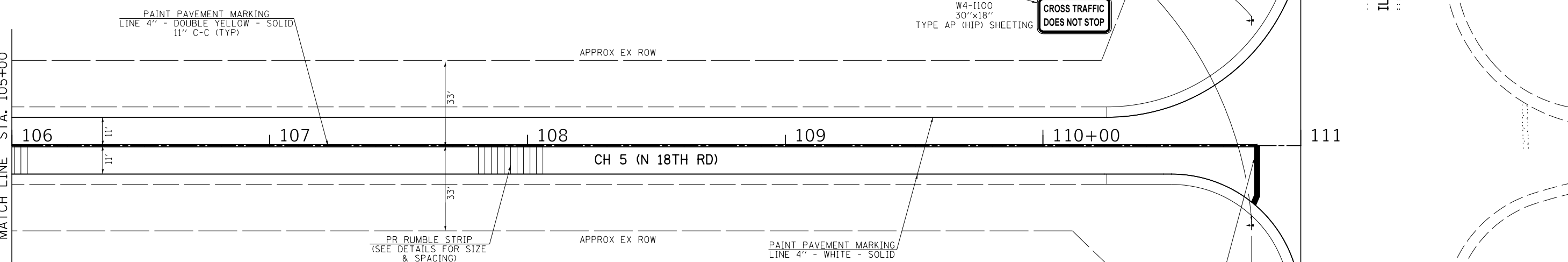
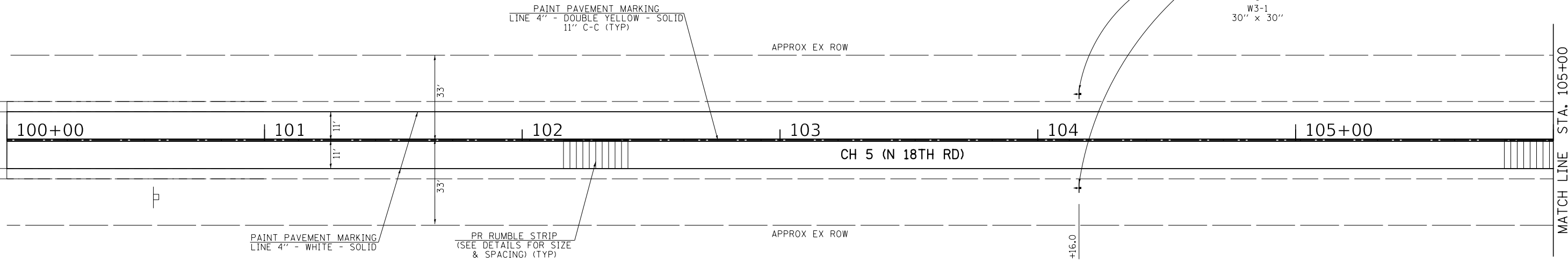
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	DRAWN -	REVISED -
PLOT SCALE = 2,000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/13/2019	DATE -	REVISED -

**LASALLE COUNTY  
HIGHWAY DEPARTMENT**

<b>C.H. 5 (N. 18TH RD.) SCHEDULE OF QUANTITIES</b>	
SCALE: N/A	SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	18-00380-00-SP	LASALLE	12	5
CONTRACT NO. 87714				
ILLINOIS FED. AID PROJECT UA2T(159)				





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DRAWN -	REVISOR -	
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PLOT DATE = 3/13/2019	DATE -	REVISED -

**LASALLE COUNTY  
HIGHWAY DEPARTMENT**

**C.H. 5 (N. 18TH RD.)  
PAVEMENT MARKING & SIGNING**

SCALE: 1"=20'    SHEET 1 OF 1 SHEETS    STA. 100+00 TO STA. 111+00

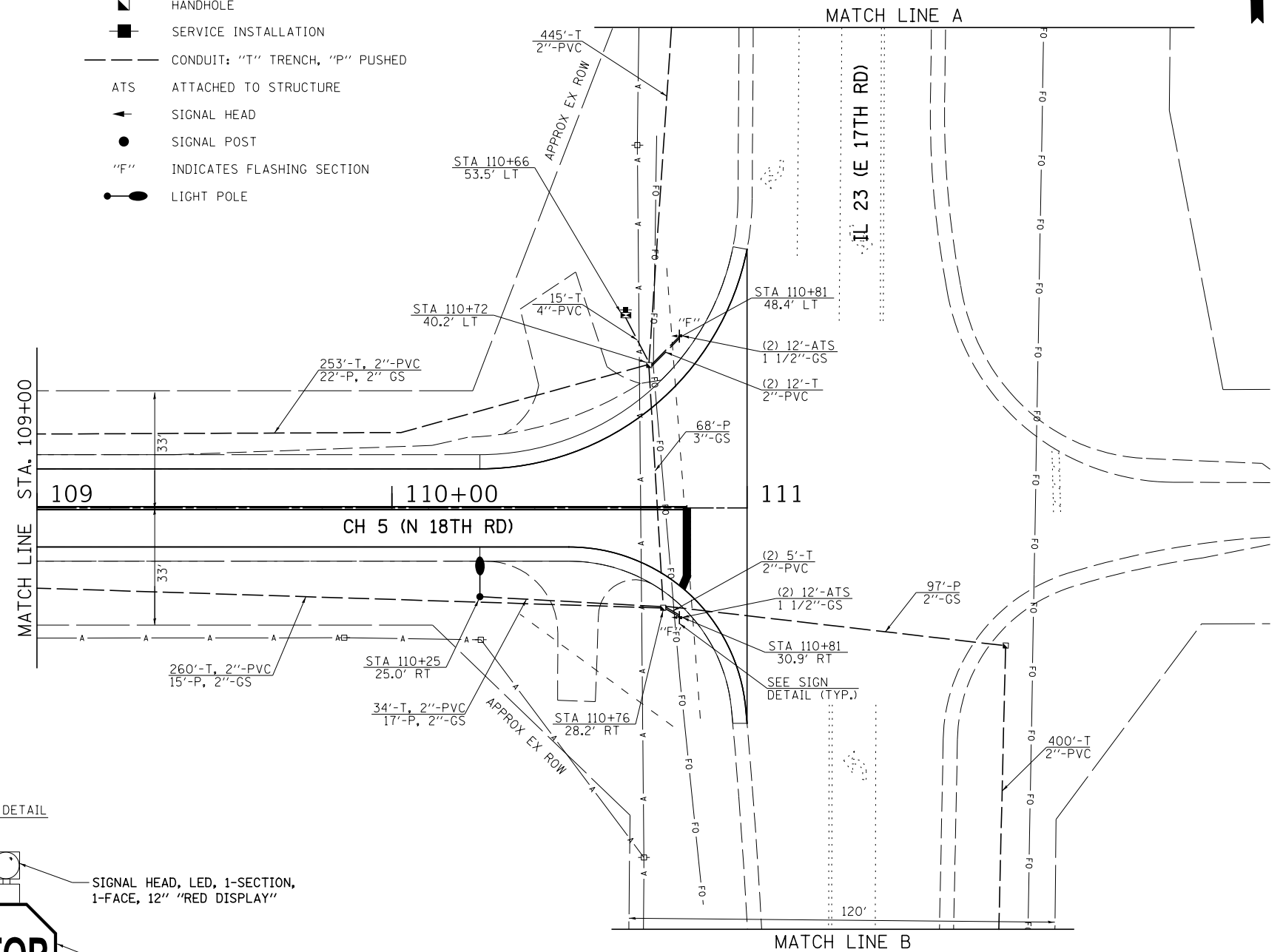
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	18-00380-00-5P	LASALLE	12	7
CONTRACT NO. 87714				
ILLINOIS FED. AID PROJECT UA2T(159)				

# FLASHING BEACONS/SIGNS GENERAL NOTES:

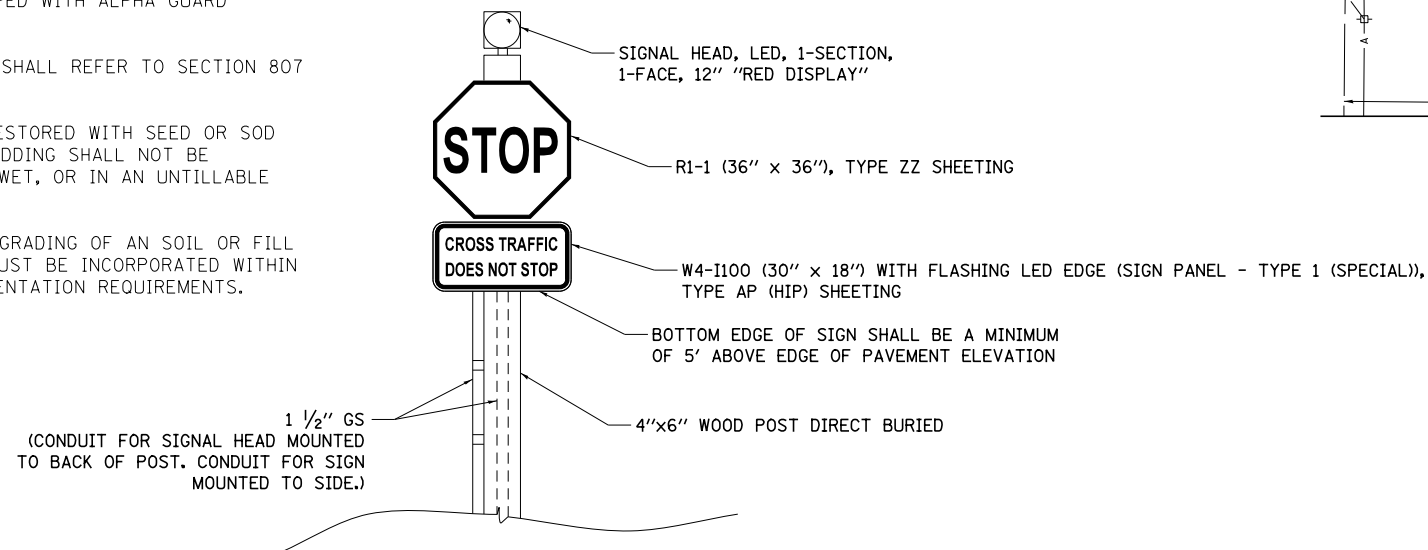
- THE TRAFFIC SIGNAL SECTION AT THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DISTRICT 3, SHALL BE NOTIFIED AT 815-434-8506 AT LEAST 72 HOURS PRIOR TO TURNING ON ANY FLASHER OR CONTROLLER UNITS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-892-0123. THE MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:
  - COMED
  - FRONTIER
  - IFIBER
  - MEDIACOM
  - MTCO COMMUNICATIONS
- ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 701 OF THE STANDARD SPECIFICATIONS.
- ALL TRAFFIC SIGNAL HEADS SHALL BE 12-INCH POLYCARBONATE.
- TRAFFIC SIGNAL HEADS SHALL BE PROPERLY COVERED PRIOR TO INTERSECTION TURN-ON OR AS DIRECTED BY THE ENGINEER. THIS COST SHALL BE INCLUDED IN THE COST OF THE ASSOCIATED TRAFFIC SIGNAL PAY ITEMS.
- A 1/4" DIAMETER CONTINUOUS RODENT RESISTANT NYLON ROPE SHALL BE FURNISHED AND LEFT IN PLACE IN ALL CONDUITS BETWEEN HANDHOLES AND FOUNDATIONS OR CONTROLLER. THIS COST SHALL BE INCLUDED WITH THE COST OF CONDUIT PAY ITEM.
- NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT A GREATER THAN 2' MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
- THE ELECTRICAL CONDUCTORS FOR ALL TRAFFIC SIGNAL HEADS SHALL BE SOLID, SOFT COPPER.
- ALL THREADS OF BOLTS USED IN THE ASSEMBLY OF TRAFFIC SIGNAL COMPONENTS SHALL BE COATED WITH A NON-LEAD BASED ANTI-SEIZE COMPOUND, SIMILAR TO LEAD PLATE, PRIOR TO ASSEMBLY.
- ALL HARDWARE SHALL BE TIGHTENED AND WELL SECURED. CABLES SHALL NEATLY WOUND IN HANDHOLES. CABLES SHALL BE NEATLY TRAINED IN THE CONTROLLER CABINET.
- ALL TRAFFIC SIGNAL WIRING SHALL EXTEND FROM CONTROLLER TO SIGNAL. SPLICES IN HANDHOLES WILL NOT BE ALLOWED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ELECTRICAL SERVICE FOR THE TRAFFIC SIGNALS. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANY PRIOR TO BEGINNING WORK TO OBTAIN THE UTILITY COMPANY REQUIREMENTS FOR THE SERVICE INSTALLATION.
- ALL VEHICLE AND PEDESTRIAN SIGNAL HEADS SHALL HAVE POLYCARBONATE BLACK HOUSING AND BLACK BRACKETS.
- ALL UNINTERRUPTIBLE POWER SUPPLIES SHALL BE EQUIPPED WITH ALPHA GUARD MONITORS.
- ALL GROUNDING MATERIALS FOR CONCRETE FOUNDATIONS SHALL REFER TO SECTION 807 OF THE STANDARD SPECIFICATIONS.
- ALL AREAS DISTURBED BY THE CONTRACTOR SHALL BE RESTORED WITH SEED OR SOD TO THE SATISFACTION OF THE ENGINEER. SEEDING OR SODDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION.
- ALL EXCAVATED MATERIAL, WHICH INCLUDES DIGGING OR GRADING OF AN SOIL OR FILL MATERIAL, WITH THE EXCEPTION OF AGGREGATE FILLS, MUST BE INCORPORATED WITHIN THE IDOT RIGHT OF WAY DUE TO ENVIRONMENTAL DOCUMENTATION REQUIREMENTS.

## FLASHING BEACON/SIGNS LEGEND

- CONTROLLER AND CABINET
- HANDHOLE
- SERVICE INSTALLATION
- CONDUIT: "T" TRENCH, "P" PUSHED
- ATS ATTACHED TO STRUCTURE
- SIGNAL HEAD
- SIGNAL POST
- "F" INDICATES FLASHING SECTION
- LIGHT POLE



### SIGN DETAIL



MODEL: Default  
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USER NAME = BWedemeyer	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/13/2019	DATE -	REVISED -

**LASALLE COUNTY  
HIGHWAY DEPARTMENT**

**C.H. 5 (N. 18TH RD.)  
PROPOSED CABLE INSTALLATION**




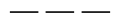


SCALE: 1"=20' SHEET 1 OF 4 SHEETS STA. 109+00.00 TO STA. 111+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	18-00380-00-5P	LASALLE	12	8
CONTRACT NO. 87714				
ILLINOIS FED. AID PROJECT UA27(159)				

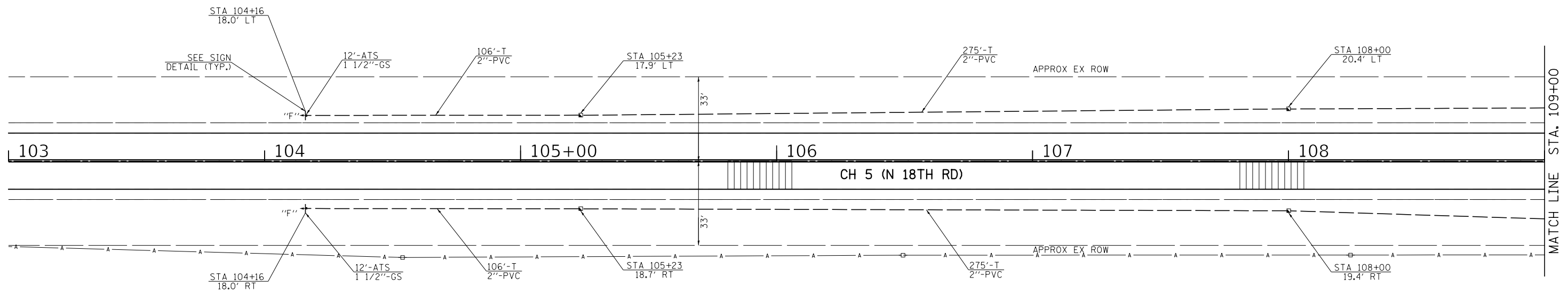
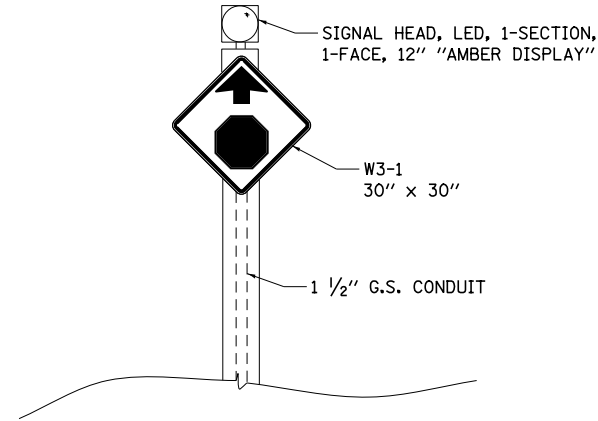




FLASHING BEACON/SIGNS LEGEND

-  CONTROLLER AND CABINET
-  HANDHOLE
-  SERVICE INSTALLATION
-  CONDUIT: "T" TRENCH, "P" PUSHED
- ATS ATTACHED TO STRUCTURE
-  SIGNAL HEAD
-  SIGN POST
- "F" INDICATES FLASHING SECTION

SIGN DETAIL



MODEL: Default  
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PLOT DATE = 3/13/2019	CHECKED -	REVISED -
	DATE -	REVISED -








**LASALLE COUNTY  
HIGHWAY DEPARTMENT**

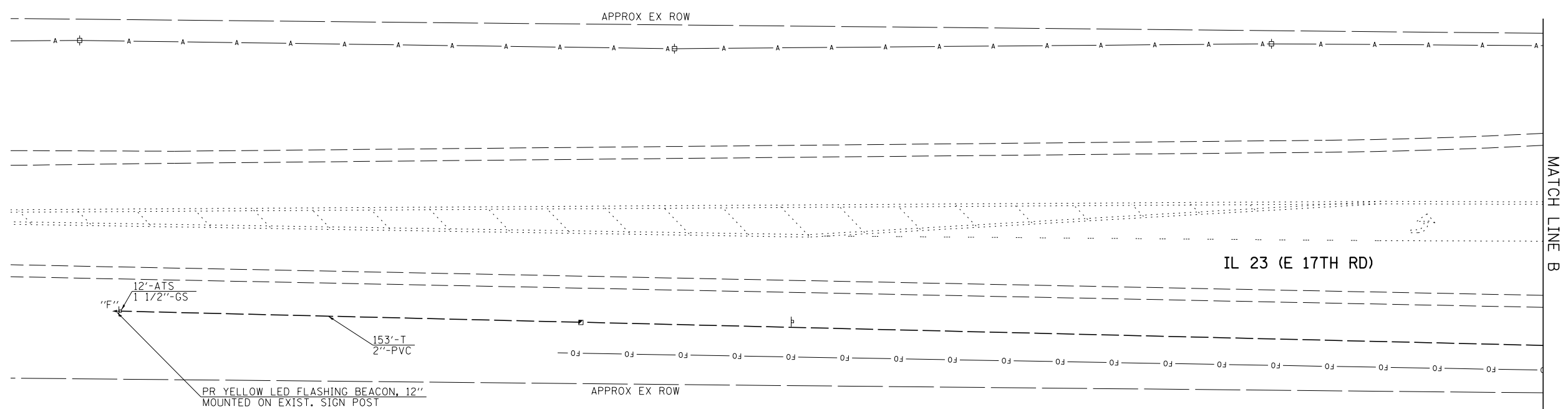
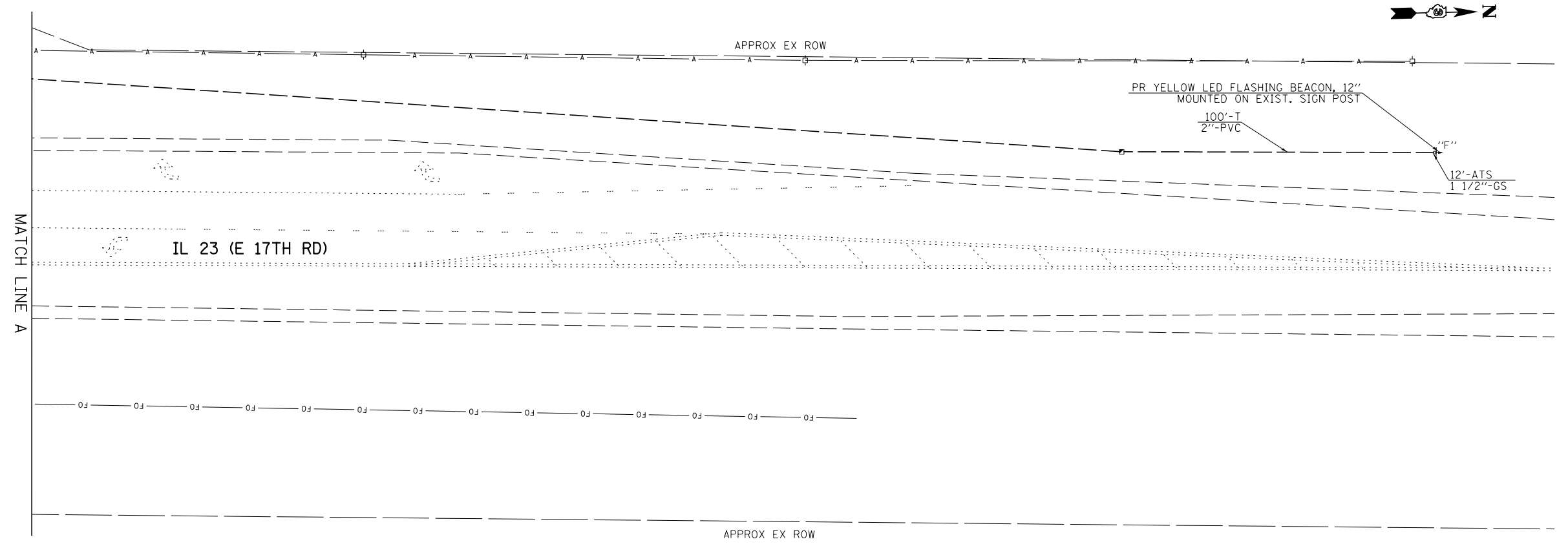
**C.H. 5 (N. 18TH RD.)  
PROPOSED CABLE INSTALLATION**

SCALE: 1"=20'    SHEET 2 OF 4 SHEETS    STA. 103+00.00 TO STA. 109+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	18-00380-00-5P	LASALLE	12	9
CONTRACT NO. 87714				
ILLINOIS FED. AID PROJECT UA2T(159)				

FLASHING BEACON/SIGNS LEGEND

-  CONTROLLER AND CABINET
-  HANDHOLE
-  SERVICE INSTALLATION
-  CONDUIT: "T" TRENCH, "P" PUSHED
- ATS ATTACHED TO STRUCTURE
-  SIGNAL HEAD
-  EXISTING SIGN POST
- "F" INDICATES FLASHING SECTION
-  LIGHT POLE



MODEL: Default  
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PLOT DATE = 3/13/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**LASALLE COUNTY  
HIGHWAY DEPARTMENT**

**IL 23 (E. 17TH RD.)  
PROPOSED CABLE INSTALLATION**

SCALE: 1"=20'    SHEET 3 OF 4 SHEETS    STA.    TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	18-00380-00-5P	LASALLE	12	10
CONTRACT NO. 87714				
ILLINOIS FED. AID PROJECT UA2T(159)				

PROPOSED CABLE DIAGRAM LEGEND

- CONTROLLER AND CABINET
- HANDHOLE
- SERVICE INSTALLATION
- INDICATES FLASHING SECTION
- INDICATES FLASHING SECTION
- DENOTES NUMBER OF CONDUCTORS
- GROUND ROD AT HANDHOLE OR DOUBLE HANDHOLE
- GROUND ROD AT POST
- GROUND ROD AT ELECTRIC SERVICE INSTALLTION
- GROUND ROD AT CONTROLLER
- CROSS TRAFFIC DOES NOT STOP (W4-4P) SIGN PANEL - TYPE 1 (SPECIAL)
- LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION E

LASALLE COUNTY HIGHWAY DEPARTMENT FLASHING BEACON/LED SIGN INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				
TYPE	NUMBER	WATTAGE	% OPERATION	TOTAL WATTAGE
FLASHER (RED)	2	10	0.50	10.00
FLASHER (YELLOW)	4	17	0.50	34.00
LED SIGN	2	8	0.50	8.00
CONTROLLER	1	100	1.00	100.00
LED LUMINAIRE	1	300	0.50	150.00
TOTAL =				302.00

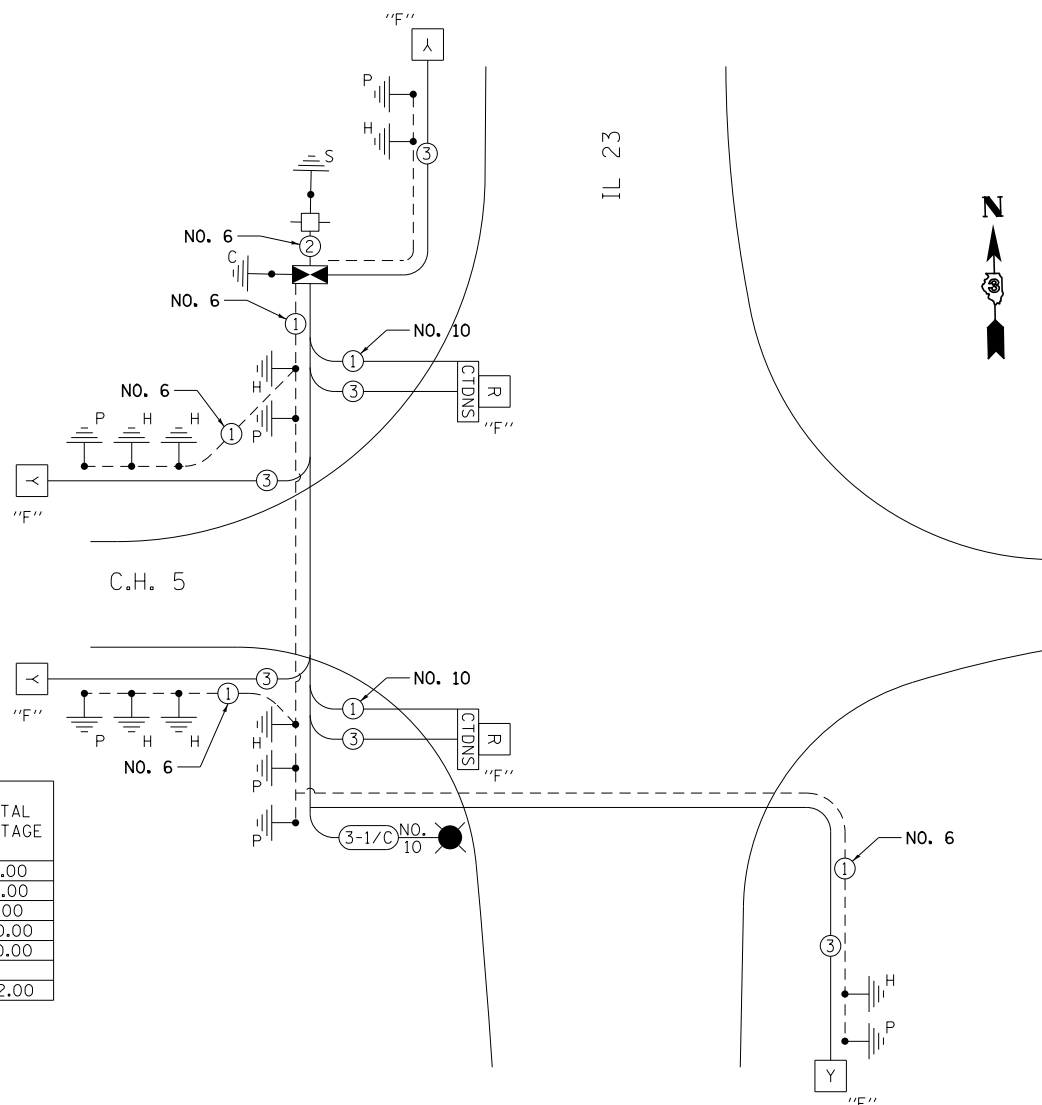
ENERGY COSTS TO:  
LASALLE COUNTY HIGHWAY DEPARTMENT  
1400 NORTH 27TH ROAD  
OTTAWA, IL 61350

ENERGY SUPPLY CONTACT:  
TIM MCTAGGART  
(815) 224-6270  
AMEREN ILLINOIS

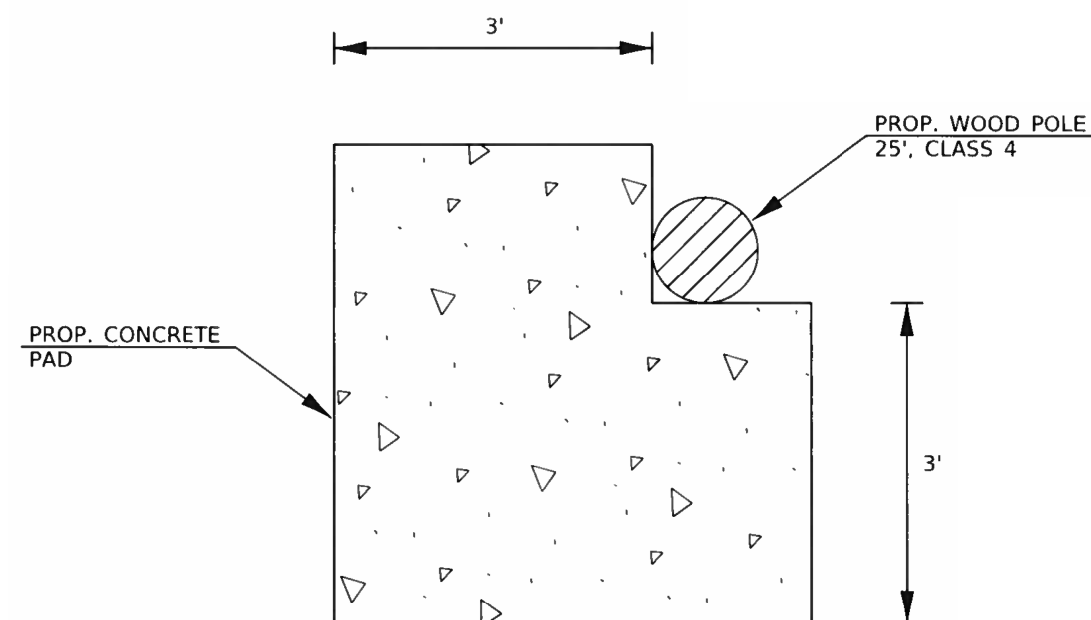
SCHEDULE OF QUANTITIES

ITEM NUMBER	ITEM NAME	UNIT	PLAN QUANTITY
80500100	SERVICE INSTALLATION, TYPE A	EACH	1
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	151
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	68
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	2441
81028390	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	15
81100500	CONDUIT ATTACHED TO STRUCTURE, 1 1/2" DIA., GALVANIZED STEEL	FOOT	96
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	9
81603010	UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	200
81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	180
82110005	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION E	EACH	1
82500310	LIGHTING CONTROLLER, POLE MOUNTED, 240VOLT, 60AMP	EACH	1
83000600	LIGHT POLE, ALUMINUM, 30 FT. M.H., 15 FT. DAVIT ARM	EACH	1
83600300	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	13
83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	1
85800100	FLASHER CONTROLLER	EACH	1
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	3055
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	15
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	2690
88040030	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 1-SECTION, POST MOUNTED	EACH	6
X0326887	WOOD POLE, 25 FT, CLASS 4	EACH	1
X7200105	SIGN PANEL - TYPE 1 (SPECIAL)	SQ FT	8
X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1

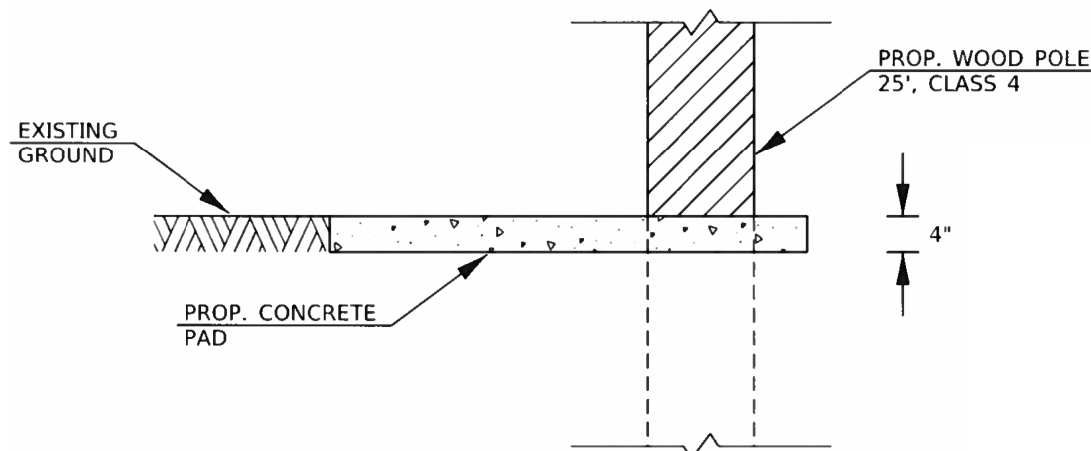
\* SEE SPECIAL PROVISIONS



CABLE DIAGRAM

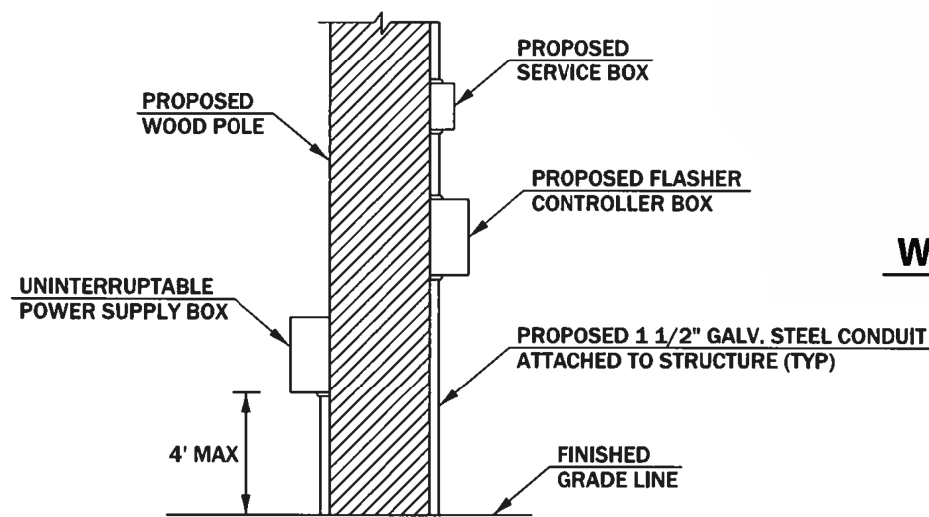


TOP VIEW



FRONT VIEW

WOOD POLE AND CONCRETE PAD LAYOUT



INTERSECTION CONTROLLER/SERVICE BOX INSTALLATION DETAIL (NTS)

NOTE: THE IDOT TRAFFIC SIGNAL SECTION SHALL BE CONTACTED AT 815-434-8506 BEFORE THE EQUIPMENT IS MOUNTED TO VERIFY AN ACCEPTABLE PLACEMENT AND ORIENTATION ON THE POLE

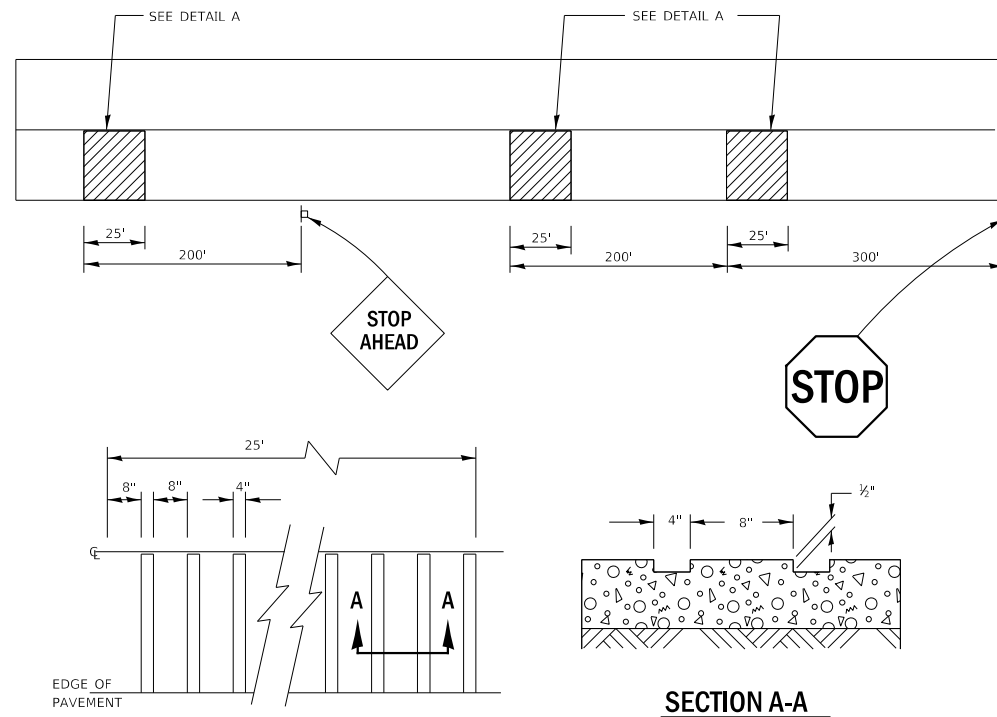
LASALLE COUNTY  
HIGHWAY DEPARTMENT

C.H. 5 (N. 18TH RD.)  
CABLE DIAGRAM, SCHEDULE OF QUANTITIES & DETAILS

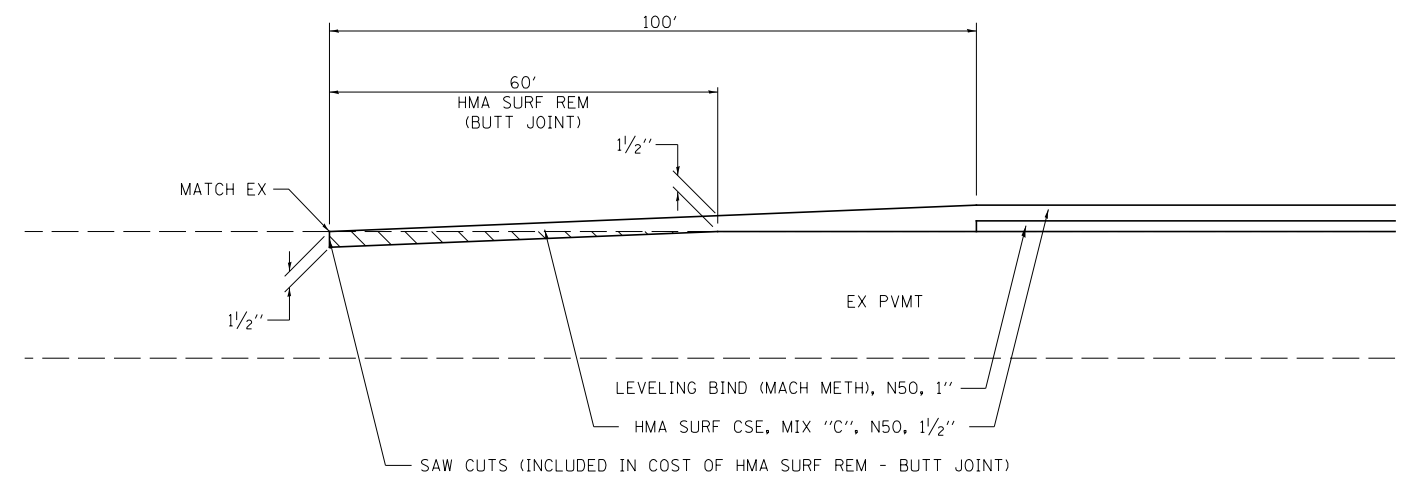
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	18-00380-00-5P	LASALLE	12	11
CONTRACT NO. 87714				
ILLINOIS FED. AID PROJECT UA27(159)				

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**TYPICAL GROOVED RUMBLE STRIP  
APPLICATION IN ADVANCE OF AN INTERSECTION**



**BEGINNING /ENDING TRANSITION DETAIL**

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USER NAME = BWedemeyer	DESIGNED -	REVISED -
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PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/13/2019	DATE -	REVISED -

**LASALLE COUNTY  
HIGHWAY DEPARTMENT**

**C.H. 5 (N. 18TH RD.)  
SPECIAL DETAILS**

SCALE: N/A SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	18-00380-00-5P	LASALLE	12	12
CONTRACT NO. 87714				
ILLINOIS FED. AID PROJECT UA2T(159)				