

04-23-2021 LETTING ITEM 015

FOR INDEX OF SHEETS, SEE SHEET NO. 2  
FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

# PLANS FOR PROPOSED FEDERAL AID HIGHWAY

## ST. CHARLES ROAD (FAU 1397) COMMUTER IMPROVEMENTS RTA/CMAQ (MANNHEIM ROAD TO 25TH AVENUE)

INSTALLATION OF BUS SHELTER PADS, SIDEWALK CONNECTORS, CROSSWALKS, ADA IMPROVEMENTS, PEDESTRIAN LIGHTING

### SECTION NO.: 18-00146-00-LS

### PROJECT NO.: EPHD (203)

### VILLAGE OF BELLWOOD

### COOK COUNTY

### C-91-235-19

FAU ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	18-00146-00-LS	COOK	36	1
ILLINOIS PROJECT		EPHD (203)		
CONTRACT NO.		61H06		



LOCATION OF SECTION INDICATED THUS:

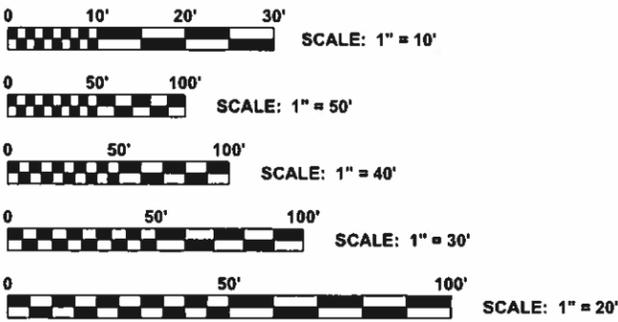
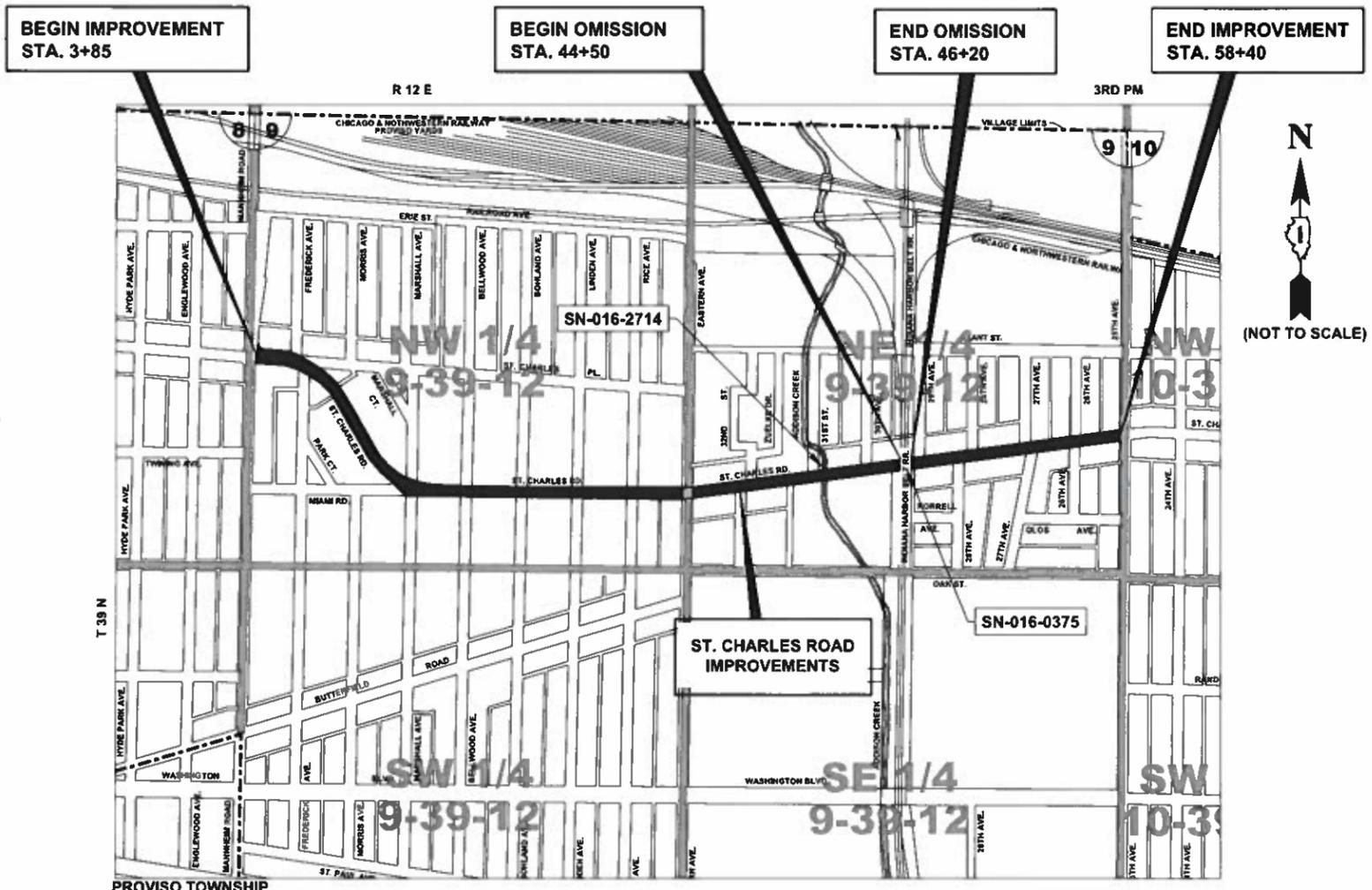
#### TRAFFIC DATA

ADT (2018) = 10,700  
POSTED SPEED LIMIT = 25 MPH/ 30MPH  
DESIGN SPEED LIMIT = 30 MPH

#### DESIGN DESIGNATION

MINOR ARTERIAL

PROJECT LOCATED IN THE  
VILLAGE OF BELLWOOD



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.



CONTRACT NO. 61H06

**- AREA OF IMPROVEMENT**  
GROSS LENGTH OF IMPROVEMENT = 5,455 FT = 1.03 MI  
NET LENGTH OF IMPROVEMENT = 5,285 FT = 1.00 MI

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

APPROVED: *[Signature]* 10 26 21  
VILLAGE OF BELLWOOD, PRESIDENT

PASSED: 2-20 20 21  
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASED FOR BID  
BASED ON LIMITED  
REVIEW: Feb 22 20 21  
REGIONAL ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS



SIGNED: *[Signature]*  
DATE: 2-10-2021 LICENSE EXPIRES: 11-30-21



◆ Civil Engineers 9933 Roosevelt Road  
◆ Municipal Consultants Westchester, IL, 60154-2780  
◆ Established 1911 Phone: 708-865-0300  
www.ehancock.com

FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, SCHAUMBURG, IL

Drawing file: w:\Projects\_by\_Village\Bellwood\08020136 - St. Charles Rd RTA-CMAQ\Cover\_2020.dwg Feb 16, 2021 - 3:47pm

# LEGEND OF SYMBOLS

(TO BE USED IN CONJUNCTION WITH I.D.O.T. STANDARD 000001-07)

## INDEX OF SHEETS

EXISTING	PROPOSED	DESCRIPTION	EXISTING	PROPOSED	DESCRIPTION
		COMBINED SEWER			REMOVED STREET LIGHT POLE
		STORM SEWER			EXISTING STREET LIGHT POLE
		SANITARY SEWER			EXISTING COMBINATION POLE (TRAFFIC SIGNAL/STREET LIGHT)
		WATER MAIN			EXISTING STREET LIGHT POLE TO BE REMOVED, FOUNDATION TO REMAIN
		GAS MAIN			EXISTING STREET LIGHT POLE TO BE REMOVED, FOUNDATION TO BE REMOVED
		MANHOLE			PROPOSED DECORATIVE STREET LIGHT POLE AND LUMINAIRE WITH PEDESTRIAN ARM & FIXTURE, ON EXISTING FOUNDATION (TYPE F3)
		CATCH BASIN			PROPOSED DECORATIVE STREET LIGHT POLE AND LUMINAIRE WITH PEDESTRIAN ARM & FIXTURE, ON PROPOSED FOUNDATION (SPECIAL) (TYPE F2)
		INLET			PROPOSED DECORATIVE STREET LIGHT POLE AND LUMINAIRE WITH PEDESTRIAN ARM & FIXTURE, ON PROPOSED FOUNDATION (TYPE F1)
		WATER MAIN VALVE VAULT			PROPOSED UNIT DUCT WITH 2-1/C No. 6 & 1-1/C No. 8 GROUND, 600V (XLP-(TYPE USE)), 1" DIAMETER OR AS NOTED, BORED & PULLED OR AS NOTED
		FIRE HYDRANT			EXISTING UNIT DUCT
		WATER MAIN VALVE BOX			PROPOSED RIGID GALVANIZED STEEL CONDUIT
		BUFFALO BOX			CONTROLLER IDENTIFICATION (TYP.)
		POWER POLE			CIRCUIT NUMBER (TYP.)
		LIGHT POLE			POLE NUMBER (TYP.)
		RIM ELEVATION			STATION NUMBER (TYP.)
		INVERT ELEVATION			
		GROUND ELEVATION			
		CONCRETE CURB & GUTTER			
		PROPOSED CONCRETE PAVEMENT, SIDEWALK, OR DRIVEWAY			
		PROPOSED HOT-MIX ASPHALT PAVEMENT			
		CONCRETE PAVEMENT REMOVAL			
		HOT-MIX ASPHALT REMOVAL			
		ITEM TO BE REMOVED			
		STRUCTURES TO BE ADJUSTED			
		STRUCTURES TO BE ADJUSTED WITH NEW OPEN TYPE 1 FRAME AND LID			
		CONCRETE			
		HOT-MIX ASPHALT			
		GRASS			
		STONE			

SHEET NO.	DESCRIPTION
1	COVER SHEET, LOCATION MAP
2	INDEX OF SHEETS, LEGEND OF SYMBOLS AND IDOT HIGHWAY STANDARDS
3	GENERAL NOTES
4	MWRD GENERAL NOTES
5-6	SUMMARY OF QUANTITIES
7	TYPICAL SECTIONS
8-14	EXISTING CONDITIONS & REMOVAL PLANS
15-21	PROPOSED PLANS
22-23	PAVEMENT MARKING PLANS
24-26	EROSION CONTROL PLANS
27-31	DETAILS
32-36	DISTRICT ONE DETAILS

## IDOT HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W MOVING OPERATIONS - DAY ONLY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS < 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701606-10	URBAN SINGLE LANE CLOSURE, 2 W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER, OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES

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# GENERAL NOTES

## STANDARDS

ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED TO BE THE LATEST STANDARD OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION AS SHOWN ON THE INDEX OF SHEETS IN THE PLANS. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED APRIL 1, 2016. THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS," "THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" JULY 2014 7TH EDITION, AND THE "DETAILS" IN THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS.

## UNDERGROUND UTILITIES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 811 FOR FIELD LOCATIONS OF BURIED ELECTRICAL, TELEPHONE AND GAS FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED).

THE LOCATIONS OF THE UNDERGROUND UTILITIES IF SHOWN ON THE PLANS HAVE BEEN OBTAINED BY FIELD SURVEYS AND SEARCHES OF AVAILABLE RECORDS. IT IS BELIEVED THAT DATA IS ESSENTIALLY CORRECT, BUT THE VILLAGE OF BELLWOOD, THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND/OR OTHER OFFICES AND AGENCIES ASSOCIATED WITH THE DEVELOPMENT OF THESE PLANS DO NOT GUARANTEE THEIR ACCURACY OR COMPLETENESS. THE CONTRACTOR WILL BE REQUIRED TO VERIFY THE EXACT LOCATION OF EACH FACILITY WITH THE UTILITY COMPANY, AND SHALL TAKE DUE CARE IN ALL PHASES OF THE CONSTRUCTION TO PROTECT ANY SUCH FACILITIES WHICH MAY BE AFFECTED BY THE WORK. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGE OF BELLWOOD.

## TREE PROTECTION

EXISTING TREES AT PARKWAYS OUTSIDE OF CONSTRUCTION LIMITS SHALL REMAIN DURING THE CONSTRUCTION. ANY DAMAGE TO EXISTING TREES BY THE CONTRACTOR SHALL BE REPLACED IN KIND BY THE CONTRACTOR.

## OPEN EXCAVATIONS

THE CONTRACTOR SHALL NOT LEAVE ANY EXCAVATION NECESSARY FOR PAVEMENT PATCHES OR STRUCTURE ADJUSTMENTS OPEN OVERNIGHT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETELY BACKFILLING OR INSTALLING A PLATE OVER ALL EXCAVATIONS AT THE END OF EACH DAY.

## CONCRETE BREAKERS

WHEN REMOVING PAVEMENT AND/OR OTHER STRUCTURES, THE CONTRACTOR SHALL NOT USE ANY TYPE OF CONCRETE BREAKERS SUCH AS DROP HAMMERS, THAT MIGHT DAMAGE UNDERGROUND PUBLIC OR PRIVATE UTILITIES.

## SAW CUTTING

THE CONTRACTOR SHALL SAW CUT ASPHALT PAVEMENT AS INDICATED ON THE PLANS TO SEPARATE THE EXISTING PAVEMENT TO BE REMOVED BY APPROVED MEANS OR AN APPROVED CONCRETE SAW TO A DEPTH AS DIRECTED BY THE ENGINEER. SUITABLE GUIDELINES OR DEVICES SHALL BE USED TO ASSURE CUTTING A NEAT, STRAIGHT LINE AS SHOWN ON THE PLANS. CARE SHALL BE TAKEN BY THE CONTRACTOR AS NOT TO DAMAGE THE REMAINING PAVEMENT DIRECTLY ADJACENT TO THE PAVEMENT TO BE REMOVED. ANY DAMAGE TO THE EXISTING PAVEMENT RESULTING FROM PAVEMENT REMOVAL OPERATIONS SHALL BE REPAIRED.

## FIELD OFFICE

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE OR VILLAGE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.

## SIGNAGE

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL, STORAGE AND INSTALLATION OF ALL EXISTING SIGNS ON THE PROJECT. THE SIGNS SHALL BE CAREFULLY REMOVED FROM THE EXISTING LIGHT POLES AND RE-INSTALLED ON THE NEW LIGHT POLES.

## COMMITMENTS

NO COMMITMENTS WERE MADE FOR THIS PROJECT.

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**Civil Engineers**  
**Municipal Consultants**  
**Established 1911**

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 Westchester, IL 60154-2700  
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DESIGNED - -	REVISED - 01-11-21
DRAWN - DMM, SFB	REVISED -
CHECKED - -	REVISED -
DATE - 2-10-21	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

## GENERAL NOTES

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. - TO STA. -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	18-00146-00-LS	COOK	36	3
CONTRACT NO. 61H06				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

E.H.E. PROJECT NO. 080-20-13601

**M.W.R.D.G.C. GENERAL NOTES**

**A. REFERENCED SPECIFICATIONS**

- 1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE FOLLOWING, EXCEPT AS MODIFIED HEREIN OR ON THE PLANS:
- \* STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION), BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT SS) FOR ALL IMPROVEMENTS EXCEPT SANITARY SEWER AND WATER MAIN CONSTRUCTION;
- \* STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION (SSWS) FOR SANITARY SEWER AND WATER MAIN CONSTRUCTION;
- \* VILLAGE OF BELLWOOD MUNICIPAL CODE;
- \* THE METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO (MWRD) WATERSHED MANAGEMENT ORDINANCE AND TECHNICAL GUIDANCE MANUAL;
- \* IN CASE OF CONFLICT BETWEEN THE APPLICABLE ORDINANCES NOTED, THE MORE STRINGENT SHALL TAKE PRECEDENCE AND SHALL CONTROL ALL CONSTRUCTION.

**B. NOTIFICATIONS**

- 1. THE MWRD LOCAL SEWER SYSTEMS SECTION FIELD OFFICE MUST BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF ANY WORK (CALL 708-588-4055).
- 2. THE VILLAGE OF BELLWOOD ENGINEERING DEPARTMENT MUST BE NOTIFIED AT LEAST 24 HOURS PRIOR TO THE START OF CONSTRUCTION AND PRIOR TO EACH PHASE OF WORK. CONTRACTOR SHALL DETERMINE ITEMS REQUIRING INSPECTION PRIOR TO START OF CONSTRUCTION OR EACH WORK PHASE.
- 3. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION FOR THE EXACT LOCATIONS OF UTILITIES AND FOR THEIR PROTECTION DURING CONSTRUCTION. IF EXISTING UTILITIES ARE ENCOUNTERED THAT CONFLICT IN LOCATION WITH NEW CONSTRUCTION, IMMEDIATELY NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED. CALL J.U.L.I.E. AT 1-800-892-0123.

**C. GENERAL NOTES**

- 1. ALL ELEVATIONS SHOWN ON PLANS REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
- 2. MWRD, THE MUNICIPALITY AND THE OWNER OR OWNER'S REPRESENTATIVE SHALL HAVE THE AUTHORITY TO INSPECT, APPROVE, AND REJECT THE CONSTRUCTION IMPROVEMENTS.
- 3. THE CONTRACTOR(S) SHALL INDEMNIFY THE OWNER, ENGINEER, MUNICIPALITY, MWRD, AND THEIR AGENTS, ETC., FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION OR TESTING OF THIS WORK ON THE PROJECT.
- 4. THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH THE ENGINEERING PLANS AS APPROVED BY MWRD AND THE MUNICIPALITY UNLESS CHANGES ARE APPROVED BY MWRD, THE MUNICIPALITY, OR AUTHORIZED AGENT. THE CONSTRUCTION DETAILS, AS PRESENTED ON THE PLANS, MUST BE FOLLOWED. PROPER CONSTRUCTION TECHNIQUES MUST BE FOLLOWED ON THE IMPROVEMENTS INDICATED ON THE PLANS.
- 5. THE LOCATION OF VARIOUS UNDERGROUND UTILITIES WHICH ARE SHOWN ON THE PLANS ARE FOR INFORMATION ONLY AND REPRESENT THE BEST KNOWLEDGE OF THE ENGINEER. VERIFY LOCATIONS AND ELEVATIONS PRIOR TO BEGINNING THE CONSTRUCTION OPERATIONS.
- 6. ANY EXISTING PAVEMENT, SIDEWALK, DRIVEWAY, ETC., DAMAGED DURING CONSTRUCTION OPERATIONS AND NOT CALLED FOR TO BE REMOVED SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.
- 7. MATERIAL AND COMPACTION TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MUNICIPALITY, MWRD, AND OWNER.
- 8. THE UNDERGROUND CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENT TO NOTIFY ALL INSPECTION AGENCIES.
- 9. ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS DISTURBED DURING CONSTRUCTION SHALL BE ADJUSTED TO FINISH GRADE PRIOR TO FINAL INSPECTION.
- 10. RECORD DRAWINGS SHALL BE KEPT BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER AS SOON AS UNDERGROUND IMPROVEMENTS ARE COMPLETED. FINAL PAYMENTS TO THE CONTRACTOR SHALL BE HELD UNTIL THEY ARE RECEIVED. ANY CHANGES IN LENGTH, LOCATION OR ALIGNMENT SHALL BE SHOWN IN RED. ALL WYES OR BENDS SHALL BE LOCATED FROM THE DOWNSTREAM MANHOLE. ALL VALVES, B-BOXES, TEES OR BENDS SHALL BE TIED TO A FIRE HYDRANT.

**D. SANITARY SEWER**

- 1. THE CONTRACTOR SHALL TAKE MEASURES TO PREVENT ANY POLLUTED WATER, SUCH AS GROUND AND SURFACE WATER, FROM ENTERING THE EXISTING SANITARY SEWERS.
- 2. A WATER-TIGHT PLUG SHALL BE INSTALLED IN THE DOWNSTREAM SEWER PIPE AT THE POINT OF SEWER CONNECTION PRIOR TO COMMENCING ANY SEWER CONSTRUCTION. THE PLUG SHALL REMAIN IN PLACE UNTIL REMOVAL IS AUTHORIZED BY THE MUNICIPALITY AND/OR MWRD AFTER THE SEWERS HAVE BEEN TESTED AND ACCEPTED.
- 3. DISCHARGING ANY UNPOLLUTED WATER INTO THE SANITARY SEWER SYSTEM FOR THE PURPOSE OF SEWER FLUSHING OF LINES FOR THE DEFLECTION TEST SHALL BE PROHIBITED WITHOUT PRIOR APPROVAL FROM THE MUNICIPALITY OR MWRD.
- 4. ALL SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS (LATEST EDITION).
- 5. ALL FLOOR DRAINS SHALL DISCHARGE TO THE SANITARY SEWER SYSTEM.
- 6. ALL DOWNSPOUTS AND FOOTING DRAINS SHALL DISCHARGE TO THE STORM SEWER SYSTEM.
- 7. ALL SANITARY SEWER PIPE MATERIALS AND JOINTS (AND STORM SEWER PIPE MATERIALS AND JOINTS IN A COMBINED SEWER AREA) SHALL CONFORM TO THE FOLLOWING:

PIPE MATERIAL	PIPE SPECIFICATIONS	JOINT SPECIFICATIONS
VITRIFIED CLAY PIPE	ASTM C-700	ASTM C-425
REINFORCED CONCRETE SEWER PIPE	ASTM C-76	ASTM C-443
CAST IRON SOIL PIPE	ASTM A-74	ASTM C-564
DUCTILE IRON PIPE	ANSI A21.51	ANSI A21.11
POLYVINYL CHLORIDE (PVC) PIPE		
6-INCH TO 15-INCH DIAMETER SDR 26	ASTM D-3034	ASTM D-3212
18-INCH TO 27-INCH DIAMETER F/DY=46	ASTM F-679	ASTM D-3212
HIGH DENSITY POLYETHYLENE (HDPE FUSION)	ASTM D-3350	ASTM D-3261, F-2620 (HEAT FUSION)
(GASKETED)	ASTM D-3035	ASTM D-3212, F-477
WATER MAIN QUALITY PVC		
4-INCH TO 36-INCH	ASTM D-2241	ASTM D-3139
4-INCH TO 12-INCH	AWWA C900	ASTM D-3139
14-INCH TO 48-INCH	AWWA C905	ASTM D-3139

THE FOLLOWING MATERIALS ARE ALLOWED ON A QUALIFIED BASIS SUBJECT TO DISTRICT REVIEW AND APPROVAL PRIOR TO PERMIT ISSUANCE. A SPECIAL CONDITION WILL BE ADDED TO THE PERMIT WHEN THE PIPE MATERIAL BELOW IS USED FOR SEWER CONSTRUCTION OR A CONNECTION IS MADE.

PIPE MATERIAL	PIPE SPECIFICATIONS	JOINT SPECIFICATIONS
POLYPROPYLENE (PP) PIPE		
12-INCH TO 24-INCH DOUBLE WALL	ASTM F-2736	D-3212, F-477
30-INCH TO 60-INCH TRIPLE WALL	ASTM F-2764	D-3212, F-477

- 8. ALL SANITARY SEWER CONSTRUCTION (AND STORM SEWER CONSTRUCTION IN COMBINED SEWER AREAS), REQUIRES STONE BEDDING WITH STONE 1/2" TO 1" IN SIZE, WITH MINIMUM BEDDING THICKNESS EQUAL TO 1/4 THE OUTSIDE DIAMETER OF THE SEWER PIPE, BUT NOT LESS THAN FOUR (4) INCHES NOR MORE THAN EIGHT (8) INCHES. MATERIAL SHALL BE CA-7, CA-11 OR CA-13 AND SHALL BE EXTENDED AT LEAST 12" ABOVE THE TOP OF THE PIPE WHEN USING PVC.
- 9. NON-SHEAR FLEXIBLE-TYPE COUPLINGS SHALL BE USED IN THE CONNECTION OF SEWER PIPES OF DISSIMILAR PIPE MATERIALS.
- 10. ALL MANHOLES SHALL BE PROVIDED WITH BOLTED, WATERTIGHT COVERS. SANITARY LIDS SHALL BE CONSTRUCTED WITH A CONCEALED PICKHOLE AND WATERTIGHT GASKET WITH THE WORD "SANITARY" CAST INTO THE LID.
- 11. WHEN CONNECTING TO AN EXISTING SEWER MAIN BY MEANS OTHER THAN AN EXISTING WYE, TEE, OR AN EXISTING MANHOLE, ONE OF THE FOLLOWING METHODS SHALL BE USED:
  - a) A CIRCULAR SAW-CUT OF SEWER MAIN BY PROPER TOOLS AND PROPER INSTALLATION OF HUB-WYE SADDLE OR HUB-TEE SADDLE.
  - b) REMOVE AN ENTIRE SECTION OF PIPE (BREAKING ONLY THE TOP OF ONE BELL) AND REPLACE WITH A WYE OR TEE BRANCH SECTION.
  - c) WITH PIPE CUTTER, NEATLY AND ACCURATELY CUT OUT DESIRED LENGTH OF PIPE FOR INSERTION OF PROPER FITTING, USING COUPLINGS TO HOLD IT FIRMLY IN PLACE.
- 12. WHENEVER A SANITARY/COMBINED SEWER CROSSES UNDER A WATERMAIN, THE MINIMUM VERTICAL DISTANCE FROM THE TOP OF THE SEWER TO THE BOTTOM OF THE WATERMAIN SHALL BE 18 INCHES. FURTHERMORE, A MINIMUM HORIZONTAL DISTANCE OF 10 FEET BETWEEN SANITARY/COMBINED SEWERS AND WATERMANS SHALL BE MAINTAINED UNLESS: THE SEWER IS LAID IN A SEPARATE TRENCH, KEEPING A MINIMUM 18" VERTICAL SEPARATION; OR THE SEWER IS LAID IN THE SAME TRENCH WITH THE WATERMAIN LOCATED AT THE OPPOSITE SIDE ON A BENCH OF UNDISTURBED EARTH, KEEPING A MINIMUM 18" VERTICAL SEPARATION. IF EITHER THE VERTICAL OR HORIZONTAL DISTANCES DESCRIBED CANNOT BE MAINTAINED, OR THE SEWER CROSSES ABOVE THE WATERMAIN, THE SEWER SHALL BE CONSTRUCTED TO WATERMAIN STANDARDS OR IT SHALL BE ENCASED WITH A WATERMAIN QUALITY CARRIER PIPE WITH THE ENDS SEALED.
- 13. ALL EXISTING SEPTIC SYSTEMS SHALL BE ABANDONED. ABANDONED TANKS SHALL BE FILLED WITH GRANULAR MATERIAL OR REMOVED.
- 14. ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE A MINIMUM INSIDE DIAMETER OF 48 INCHES, AND SHALL BE CAST IN PLACE OR PRE-CAST REINFORCED CONCRETE.
- 15. ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE PRECAST "RUBBER BOOTS" THAT CONFORM TO ASTM C-923 FOR ALL PIPE CONNECTIONS. PRECAST SECTIONS SHALL CONSIST OF MODIFIED GROOVE TONGUE AND RUBBER GASKET TYPE JOINTS.
- 16. ALL ABANDONED SANITARY SEWERS SHALL BE PLUGGED AT BOTH ENDS WITH AT LEAST 2 FEET LONG NON-SHRINK CONCRETE OR MORTAR PLUG.
- 17. EXCEPT FOR FOUNDATION/FOOTING DRAINS PROVIDED TO PROTECT BUILDINGS, OR PERFORATED PIPES ASSOCIATED WITH VOLUME CONTROL FACILITIES, DRAIN TILES/FIELD TILES/UNDERDRAINS/PERFORATED PIPES ARE NOT ALLOWED TO BE CONNECTED TO OR TRIBUTARY TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS IN COMBINED SEWER AREAS. CONSTRUCTION OF NEW FACILITIES OF THIS TYPE IS PROHIBITED; AND ALL EXISTING DRAIN TILES AND PERFORATED PIPES ENCOUNTERED WITHIN THE PROJECT AREA SHALL BE PLUGGED OR REMOVED, AND SHALL NOT BE CONNECTED TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS.
- 18. A BACKFLOW PREVENTER IS REQUIRED FOR ALL DETENTION BASINS TRIBUTARY TO COMBINED SEWERS. REQUIRED BACKFLOW PREVENTERS SHALL BE INSPECTED AND EXERCISED ANNUALLY BY THE PROPERTY OWNER TO ENSURE PROPER OPERATION, AND ANY NECESSARY MAINTENANCES SHALL BE PERFORMED TO ENSURE FUNCTIONALITY. IN THE EVENT OF A SEWER SURCHARGE INTO AN OPEN DETENTION BASIN TRIBUTARY TO COMBINED SEWERS, THE PERMITTEE SHALL ENSURE THAT CLEAN UP AND WASH OUT OF SEWAGE TAKES PLACE WITHIN 48 HOURS OF THE STORM EVENT.

**E. EROSION AND SEDIMENT CONTROL**

- 1. THE CONTRACTOR SHALL INSTALL THE EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.
- 2. EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE FUNCTIONAL PRIOR TO HYDROLOGIC DISTURBANCE OF THE SITE.
- 3. ALL DESIGN CRITERIA, SPECIFICATIONS, AND INSTALLATION OF EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.
- 4. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
- 5. INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:
  - a) UPON COMPLETION OF INITIAL EROSION AND SEDIMENT CONTROL MEASURES, PRIOR TO ANY SOIL DISTURBANCE.
  - b) ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.
- 6. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE CO-PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.
- 7. A STABILIZED MAT OF CRUSHED STONE MEETING THE STANDARDS OF THE ILLINOIS URBAN MANUAL SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
- 8. CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL AND SHALL BE INSTALLED PRIOR TO ANY ON SITE CONSTRUCTION ACTIVITIES INVOLVING CONCRETE.
- 9. MORTAR WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ADDITION TO CONCRETE WASHOUT FACILITIES FOR ANY BRICK AND MORTAR BUILDING ENVELOPE CONSTRUCTION ACTIVITIES.
- 10. TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN. VOLUME CONTROL FACILITIES SHALL NOT BE USED AS TEMPORARY SEDIMENT BASINS.
- 11. DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) DAYS.
- 12. ALL FLOOD PROTECTION AREAS AND VOLUME CONTROL FACILITIES SHALL, AT A MINIMUM, BE PROTECTED WITH A DOUBLE-ROW OF SILT FENCE (OR EQUIVALENT).
- 13. VOLUME CONTROL FACILITIES SHALL NOT BE CONSTRUCTED UNTIL ALL OF THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.
- 14. SOIL STOCKPILES SHALL, AT A MINIMUM, BE PROTECTED WITH PERIMETER SEDIMENT CONTROLS. SOIL STOCKPILES SHALL NOT BE PLACED IN FLOOD PROTECTION AREAS OR THEIR BUFFERS.
- 15. EARTHEN EMBANKMENT SIDE SLOPES SHALL BE STABILIZED WITH APPROPRIATE EROSION CONTROL BLANKET.
- 16. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY APPROPRIATE SEDIMENT CONTROL MEASURES.
- 17. THE CONTRACTOR SHALL EITHER REMOVE OR REPLACE ANY EXISTING DRAIN TILES AND INCORPORATE THEM INTO THE DRAINAGE PLAN FOR THE DEVELOPMENT. DRAIN TILES CANNOT BE TRIBUTARY TO A SANITARY OR COMBINED SEWER. DRAIN TILES ALLOWED IN COMBINED SEWER AREA FOR GREEN INFRASTRUCTURE PRACTICES.
- 18. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE SITE INSPECTOR MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.
- 19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRENCH DEWATERING AND EXCAVATION FOR THE INSTALLATION OF SANITARY SEWERS, STORM SEWERS, WATERMANS AS WELL AS THEIR SERVICES AND OTHER APPURTENANCES. ANY TRENCH DEWATERING, WHICH CONTAINS SEDIMENT SHALL PASS THROUGH A SEDIMENT SETTLING POND OR EQUALLY EFFECTIVE SEDIMENT CONTROL DEVICE. ALTERNATIVES MAY INCLUDE DEWATERING INTO A SUMP PIT, FILTER BAG OR EXISTING VEGETATED UPSLOPE AREA. SEDIMENT LADEN WATERS SHALL NOT BE DISCHARGED TO WATERWAYS, FLOOD PROTECTION AREAS OR THE COMBINED SEWER SYSTEM.
- 20. ALL PERMANENT EROSION CONTROL PRACTICES SHALL BE INITIATED WITHIN SEVEN (7) DAYS FOLLOWING THE COMPLETION OF SOIL DISTURBING ACTIVITIES.
- 21. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AND REPAIRED AS NEEDED ON A YEAR-ROUND BASIS DURING CONSTRUCTION AND ANY PERIODS OF CONSTRUCTION SHUTDOWN UNTIL PERMANENT STABILIZATION IS ACHIEVED.
- 22. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER PERMANENT SITE STABILIZATION.
- 23. THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, SITE INSPECTOR, OR MWRD.

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CHECKED --	-	REVISED --	
DATE --	2-10-21	REVISED --	

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**MWRD GENERAL NOTES**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. - TO STA. -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	18-00146-00-LS	COOK	36	4
CONTRACT NO. 61H06				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

## SUMMARY OF QUANTITIES

S.P.	S.I.	Code No.	Item	Unit	Total Quantity	Const. Type Code 0021 80%Federal 20%Local
		21101615	TOPSOIL FURNISH AND PLACE, 4"	SQYD	80	80
		25200110	SODDING, SALT TOLERANT	SQYD	80	80
		25200200	SUPPLEMENTAL WATERING	UNIT	1	1
		28000510	INLET FILTERS	EACH	25	25
		35300300	PORTLAND CEMENT CONCRETE BASE COURSE 8"	SQYD	110	110
		42000300	PORTLAND CEMENT CONCRETE PAVEMENT 8"	SQYD	20	20
		42300300	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH	SQYD	45	45
		42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	13,200	13,200
		42400800	DETECTABLE WARNINGS	SQFT	200	200
		44000100	PAVEMENT REMOVAL	SQYD	110	110
		44000200	DRIVEWAY PAVEMENT REMOVAL	SQYD	65	65
		44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	700	700
		44000600	SIDEWALK REMOVAL	SQFT	13,200	13,200
		60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	3	3
		60604100	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED)	FOOT	700	700
	*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	20	20
	*	66900205	SPECIAL WASTE DISPOSAL	CU YD	10	10
	*	66900210	HAZARDOUS WASTE DISPOSAL	CU YD	5	5
	*	66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1
	*	66901001	REGULATED SUBSTANCE PRE-CONSTRUCTION PLAN	L SUM	1	1

S.I. SPECIALTY ITEMS

S.P.	S.I.	Code No.	Item	Unit	Total Quantity	Const. Type Code 0021 80%Federal 20%Local
	*	66901003	REGULATED SUBSTANCE FINAL CONSTRUCTION REPORT	L SUM	1	1
	*	66901006	REGULATED SUBSTANCE MONITORING	CAL DA	4	4
		67100100	MOBILIZATION	L SUM	1	1
		70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1
		70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1
		70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1
		70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1
		70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	20	20
	*	78000400	THERMOPLASTIC PAVEMENT MARKING- LINE 6"	FOOT	350	350
	*	78000600	THERMOPLASTIC PAVEMENT MARKING- LINE 12"	FOOT	240	240
	*	78000650	THERMOPLASTIC PAVEMENT MARKING- LINE 24"	FOOT	100	100
	*	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	370	370
	*	81603040	UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	2,500	2,500
	*	83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	18	18
	*	84200500	REMOVE LIGHTING UNIT SALVAGE	EACH	60	60
	*	89502220	MODIFY EXISTING CONCRETE FOUNDATION	EACH	5	5
	*	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9	9
		X0321309	CONCRETE PAD	SQ YD	60	60
	*	X4080052	INCIDENTAL HOT-MIX ASPHALT SURFACING (SPECIAL)	TON	25	25
		X6022805	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE I FRAME, OPEN LID, SPECIAL	EACH	1	1

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: NONE SHEET NO. 1 OF 2 SHEETS STA. - TO STA. -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	18-00146-00-LS	COOK	36	5
FED. ROAD DIST. NO. 1 ILLINOIS		CONTRACT NO. 61H06		
FED. AID PROJECT		E.H.E. PROJECT NO. 080-20-13601		

## SUMMARY OF QUANTITIES

S.P.	S.I.	Code No.	Item	Unit	Total Quantity	Const. Type Code 0021 80%Federal 20%Local
		XX002258	STRUCTURES TO BE ADJUSTED	EACH	15	15
	*	XX006834	ELECTRICAL CONNECTION TO EXISTING LIGHTING SYSTEM	EACH	2	2
	*	XX007039	STREET LIGHTING ASSEMBLY COMPLETE TYPE F1	EACH	14	14
	*	XX007040	STREET LIGHTING ASSEMBLY COMPLETE TYPE F2	EACH	4	4
	*	XX007041	STREET LIGHTING ASSEMBLY COMPLETE TYPE F3	EACH	51	51
	*	XX009104	LIGHT POLE FOUNDATION, METAL, 12" BOLT CIRCLE, 8" X 6'	EACH	16	16
		Z0003850	BENCHES	EACH	3	3
		Z0003855	BICYCLE RACKS	EACH	2	2
		Z0004002	BOLLARDS	EACH	4	4
		Z0030850	TEMPORARY INFORMATION SIGNING	SQFT	52	52
	*	Z0033026	MAINTENANCE OF EXISTING LIGHTING SYSTEM COMPLETE	L SUM	1	1
		Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1
#		Z0076600	TRAINEES	HOUR	500	500
#		Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500

S.I. SPECIALTY ITEMS  
# = 0042

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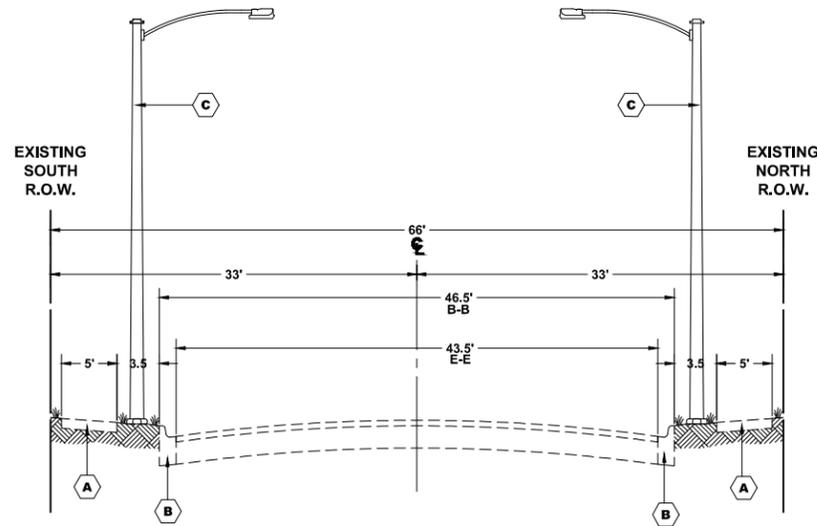
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DATE - 2-10-21	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

### SUMMARY OF QUANTITIES

SCALE: NONE    SHEET NO. 2 OF 2 SHEETS    STA. -    TO STA. -

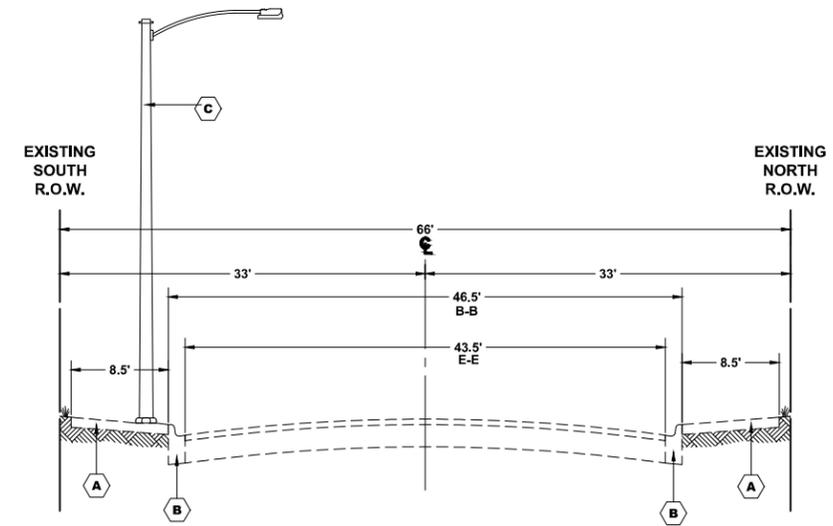
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-	18-00146-00-LS	COOK	36	6
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 61H05	
FED. AID PROJECT			E.H.E. PROJECT NO. 080-20-13601	



**EXISTING TYPICAL SECTION**  
**ST. CHARLES ROAD**  
 (MANNHEIM ROAD (US 12/20) TO IHB TRACKS)  
 STA. 3+85 TO STA. 44+50

**EXISTING LEGEND**

SYMBOL	DESCRIPTION
A	EXISTING PORTLAND CEMENT CONCRETE SIDEWALK
B	EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
C	EXISTING STANDARD LIGHT POLE AND LUMINAIRE (OPPOSITE SPACING)

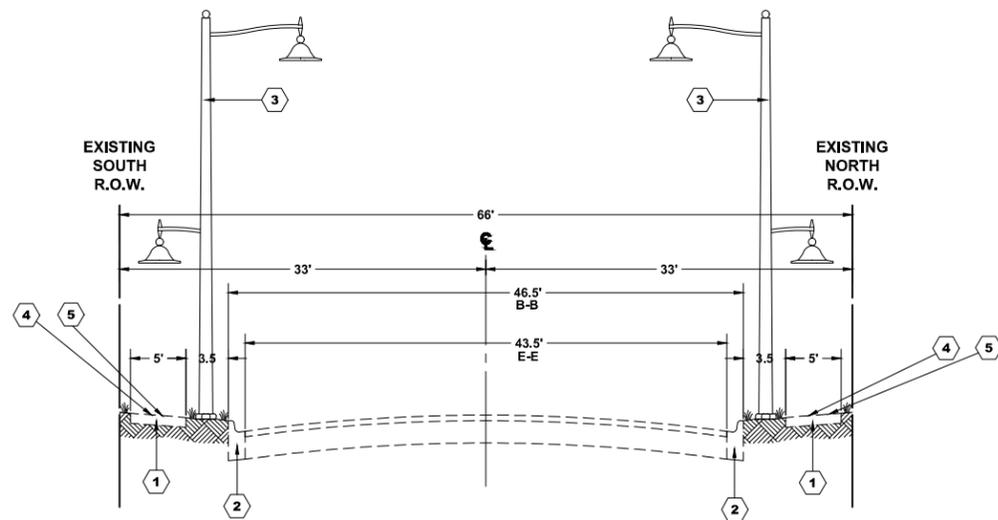


**EXISTING TYPICAL SECTION**  
**ST. CHARLES ROAD**  
 (IHB TRACKS TO 25TH AVENUE)  
 STA. 46+20 TO STA. 58+40

**HOT-MIX ASPHALT (HMA) MIXTURE REQUIREMENTS**

ITEM	AIR VOIDS
INCIDENTAL HOT-MIX ASPHALT SURFACING (SPECIAL)	
HMA SURFACE COURSE, IL-9.5, MIX D, NS0; 2"	4% @ 50 GYR

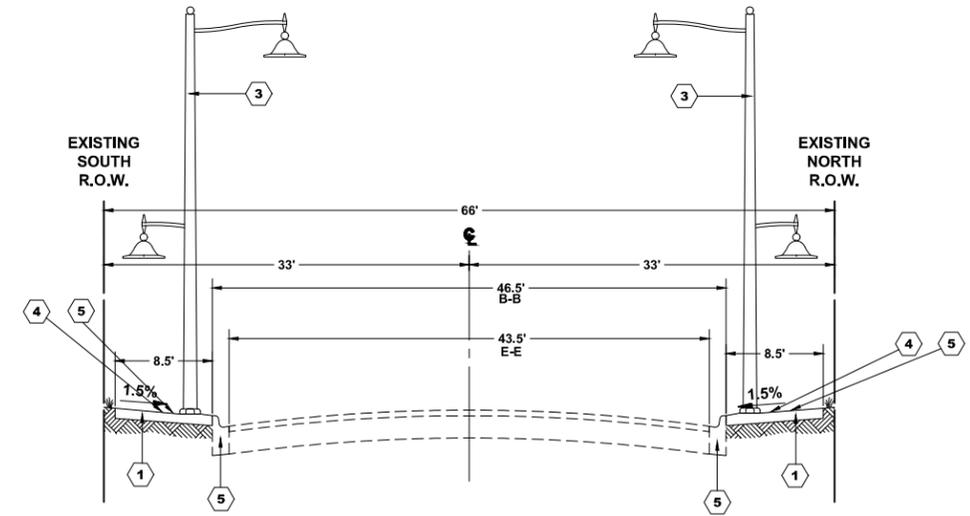
THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN  
 THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY SPECIAL PROVISIONS.  
 FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS



**PROPOSED TYPICAL SECTION**  
**ST. CHARLES ROAD**  
 (MANNHEIM ROAD (US12/20) TO IHB TRACKS)  
 STA. 3+85 TO STA. 44+50

**PROPOSED LEGEND**

SYMBOL	DESCRIPTION
1	EXISTING PORTLAND CEMENT CONCRETE SIDEWALK
2	EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
3	PROPOSED DECORATIVE LIGHT POLE AND LUMINAIRE (OPPOSITE SPACING)
4	PROPOSED BICYCLE RACKS (VARIOUS LOCATIONS)
5	PROPOSED PEDESTRIAN BENCHES (VARIOUS LOCATIONS)



**PROPOSED TYPICAL SECTION**  
**ST. CHARLES ROAD**  
 (IHB TRACKS TO 25TH AVENUE)  
 STA. 46+20 TO STA. 58+40

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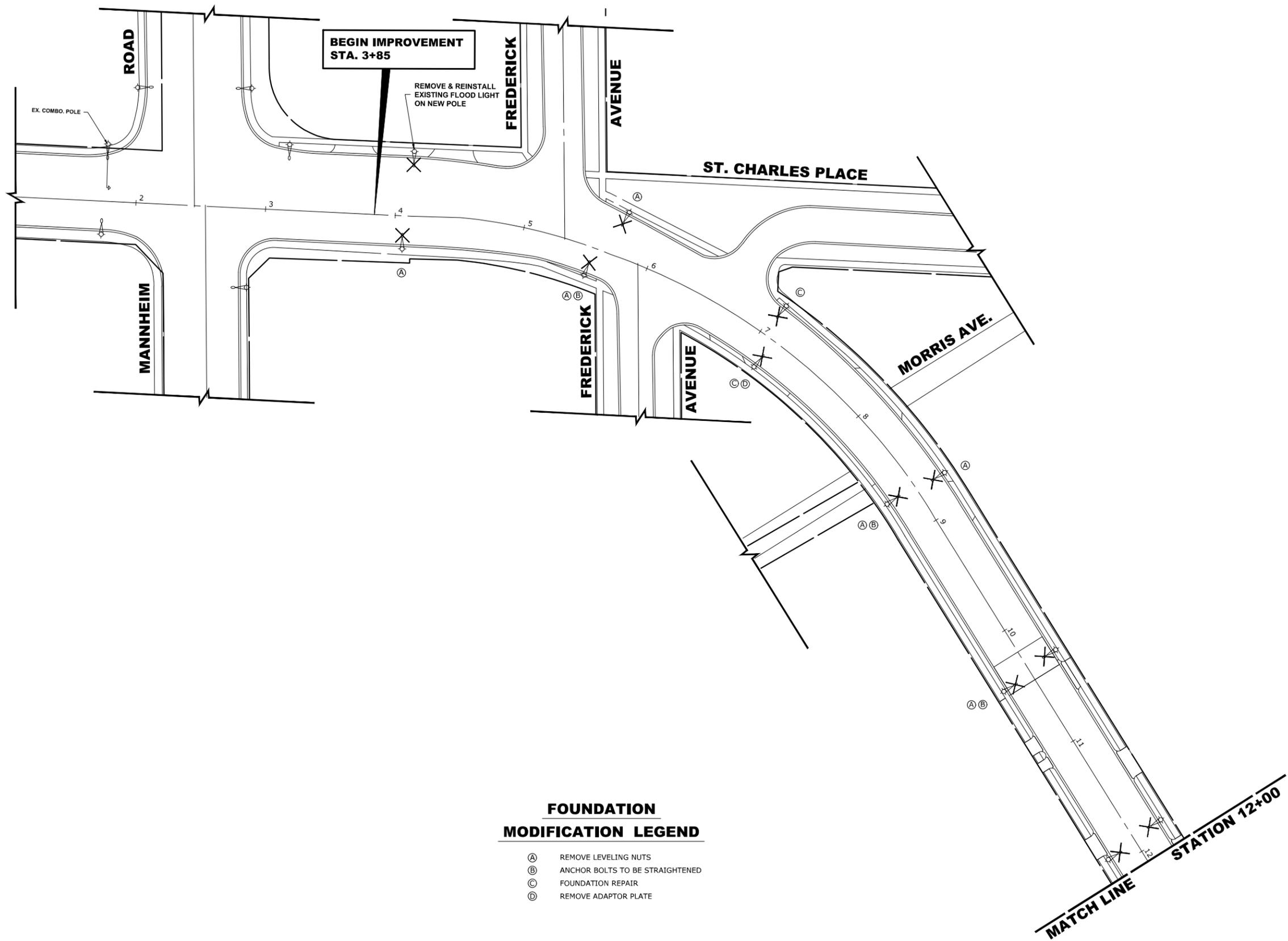
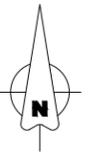
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**  
**MANNHEIM ROAD (US12/20) TO IHB TRACKS**

SCALE: SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	18-00146-00-LS	COOK	36	7
CONTRACT NO. 61H06				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

E.H.E. PROJECT NO. 080-20-13601



**FOUNDATION  
MODIFICATION LEGEND**

- (A) REMOVE LEVELING NUTS
- (B) ANCHOR BOLTS TO BE STRAIGHTENED
- (C) FOUNDATION REPAIR
- (D) REMOVE ADAPTOR PLATE

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DATE - 2-10-21	REVISED -	

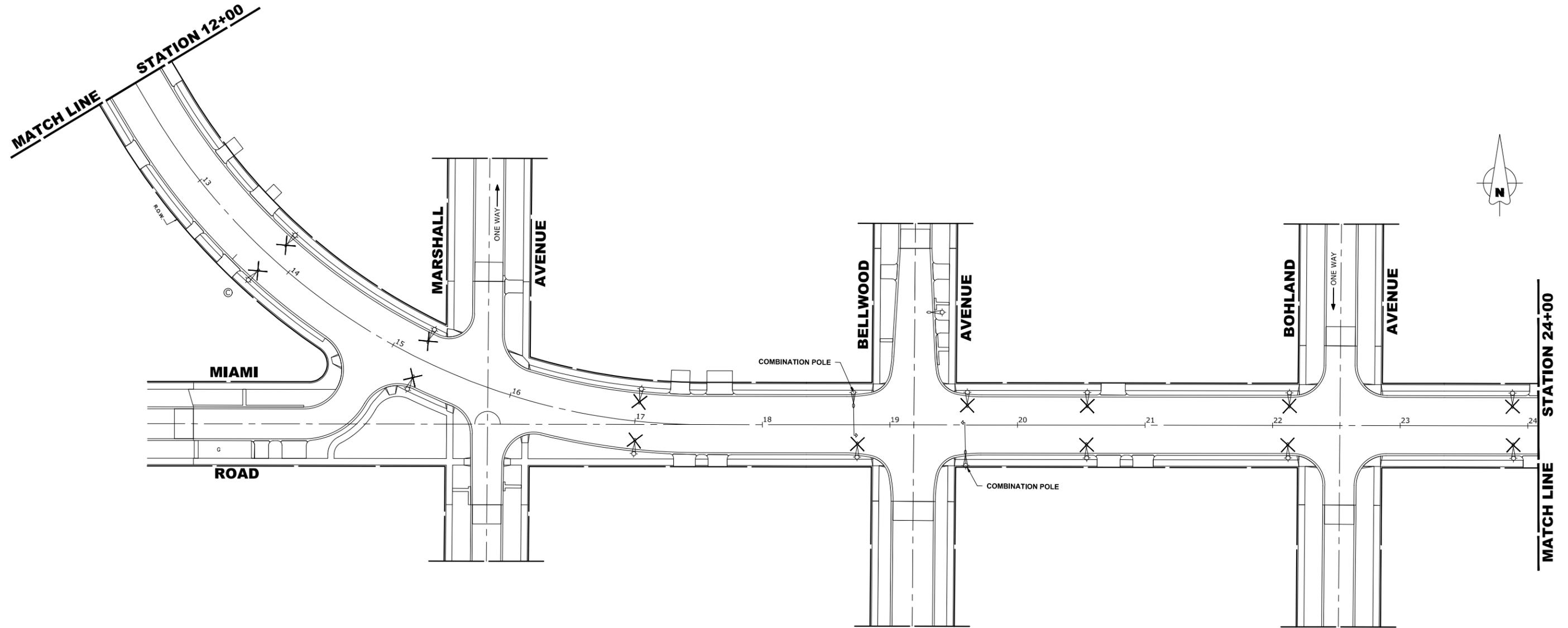
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING CONDITIONS & REMOVAL PLAN  
ST. CHARLES ROAD (WEST OF I.H.B.R.R.)**

SCALE: 1" = 40'    SHEET NO. 1 OF 4 SHEETS    STA. 1+00 TO STA. 12+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	18-00146-00-LS	COOK	36	8
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 61H06	
FED. AID PROJECT			E.H.E. PROJECT NO. 080-20-13601	

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**FOUNDATION  
MODIFICATION LEGEND**

- (A) REMOVE LEVELING NUTS
- (B) ANCHOR BOLTS TO BE STRAIGHTENED
- (C) FOUNDATION REPAIR
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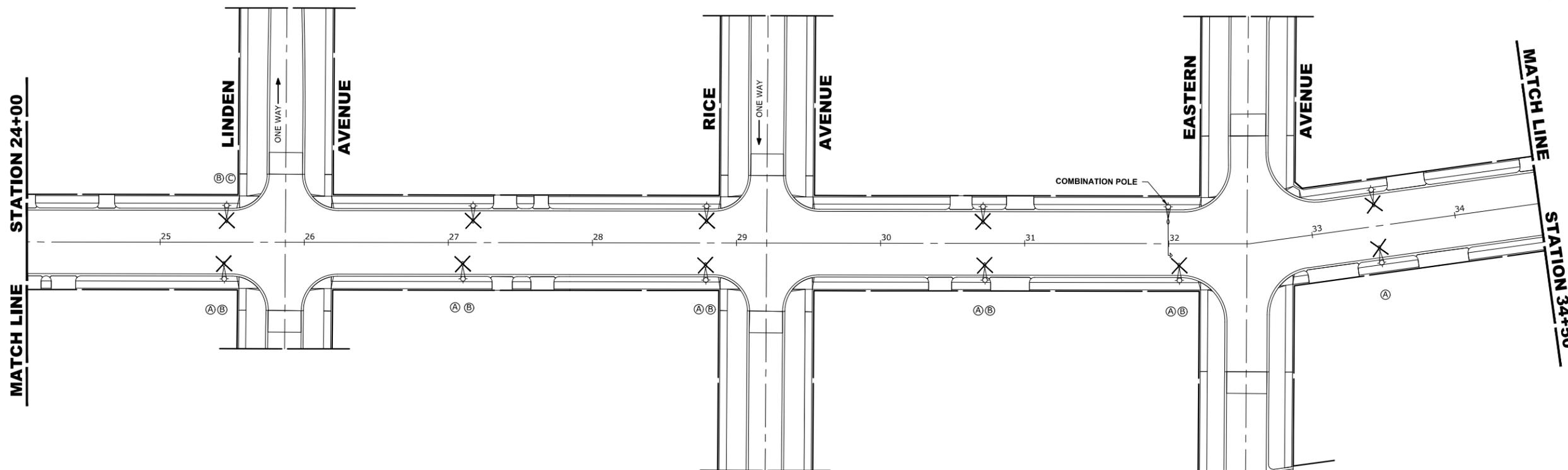
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DATE	2-10-21	REVISED	--	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING CONDITIONS & REMOVAL PLAN  
ST. CHARLES ROAD (WEST OF I.H.B.R.R.)**

SCALE: 1" = 40'    SHEET NO. 2 OF 4 SHEETS    STA. 12+00 TO STA. 24+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	18-00146-00-LS	COOK	36	9
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 61H06	
FED. AID PROJECT			E.H.E. PROJECT NO. 080-20-13601	



**FOUNDATION  
MODIFICATION LEGEND**

- (A) REMOVE LEVELING NUTS
- (B) ANCHOR BOLTS TO BE STRAIGHTENED
- (C) FOUNDATION REPAIR
- (D) REMOVE ADAPTOR PLATE

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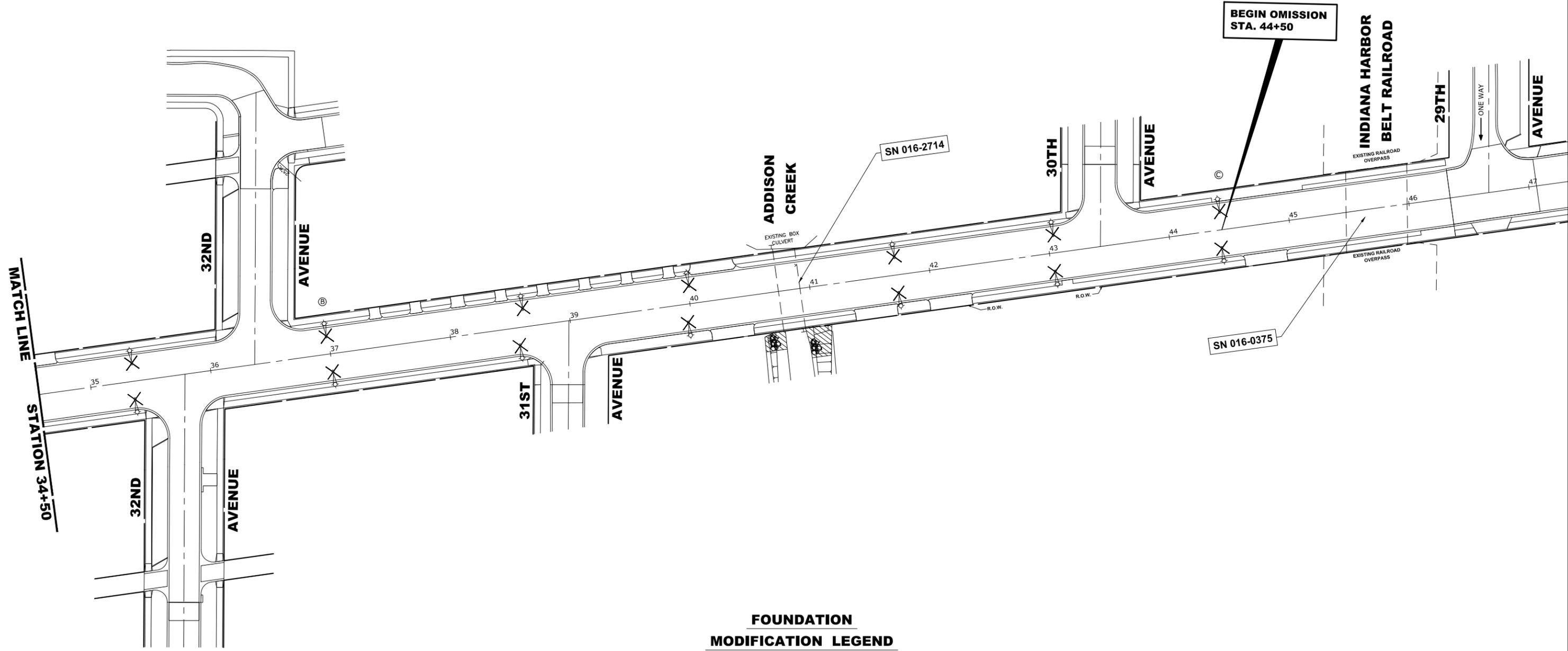
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DATE	- 2-10-21	REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING CONDITIONS & REMOVAL PLAN  
ST. CHARLES ROAD (WEST OF I.H.B.R.R.)**

SCALE: 1" = 40'    SHEET NO. 3 OF 4 SHEETS    STA. 24+00 TO STA. 34+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	18-00146-00-LS	COOK	36	10
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 61H06	
FED. AID PROJECT			E.H.E. PROJECT NO. 080-20-13601	



**FOUNDATION  
MODIFICATION LEGEND**

- (A) REMOVE LEVELING NUTS
- (B) ANCHOR BOLTS TO BE STRAIGHTENED
- (C) FOUNDATION REPAIR
- (D) REMOVE ADAPTOR PLATE

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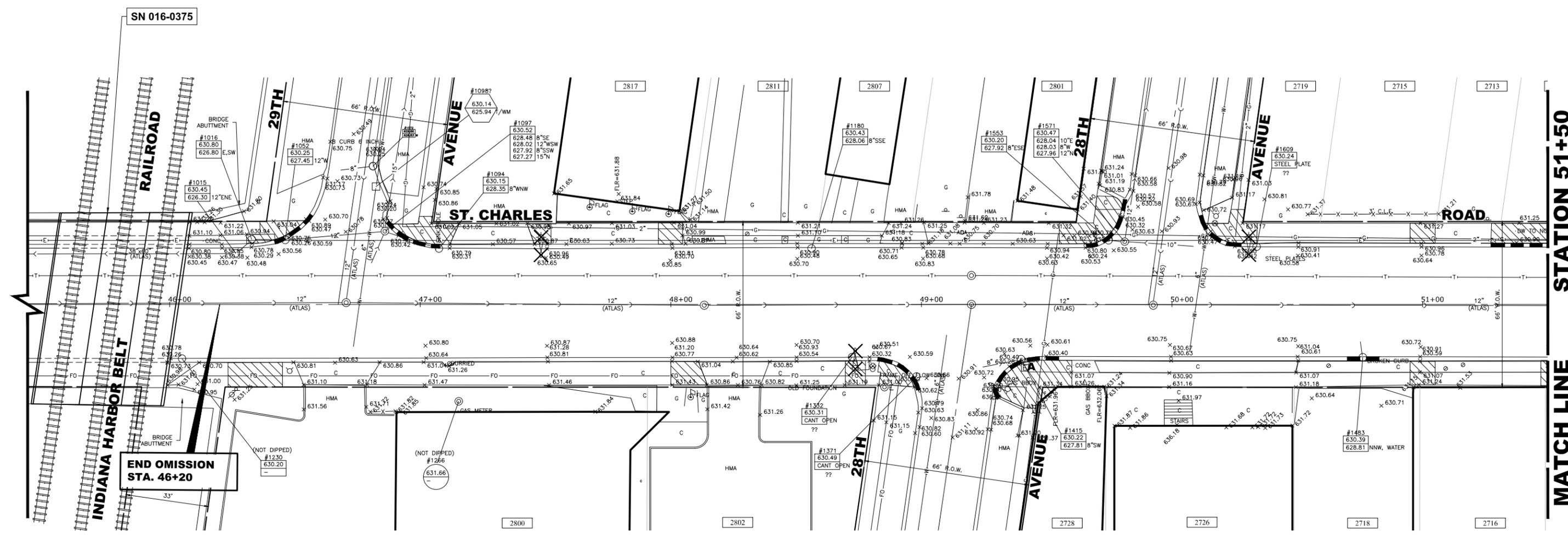
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING CONDITIONS & REMOVAL PLAN  
ST. CHARLES ROAD (WEST OF I.H.B.R.R.)**

SCALE: 1" = 40'    SHEET NO. 4 OF 4 SHEETS    STA. 34+50    TO STA. 47+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	18-00146-00-LS	COOK	36	11
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 61H06	
FED. AID PROJECT			E.H.E. PROJECT NO. 080-20-13601	



SN 016-0375

END OMISSION  
STA. 46+20

STATION 51+50  
MATCH LINE

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DATE	- 2-10-21	REVISED	-

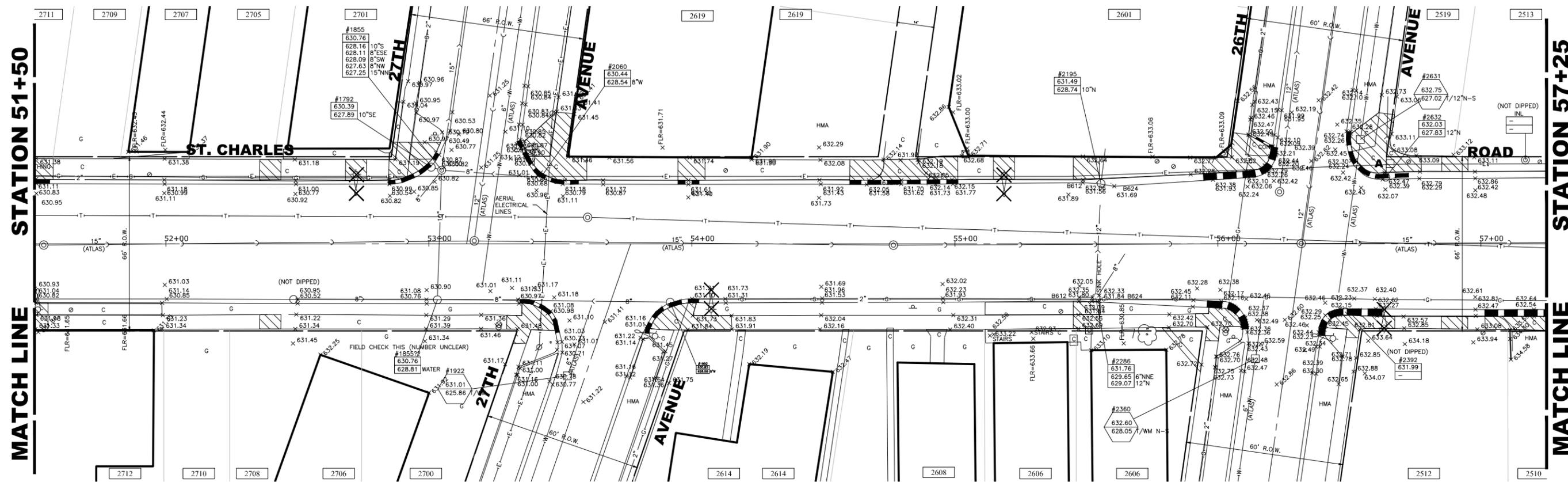
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**EXISTING CONDITIONS & REMOVAL PLAN**  
**ST. CHARLES ROAD**  
**(EAST OF I.H.B.R.R.) AT 29TH & 28TH AVENUE**

SCALE: 1" = 20'    SHEET NO. 1 OF 3 SHEETS    STA. 46+00 TO STA. 51+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	18-00146-00-LS	COOK	36	12
FED. ROAD DIST. NO. 1		ILLINOIS	CONTRACT NO. 61H06	
		FED. AID PROJECT		

E.H.E. PROJECT NO. 080-20-13601



1914 Year of Incorporation  
 CMI Engineers  
 Municipal Consultants  
 Established 1911  
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 Westchester, IL 60154-2782  
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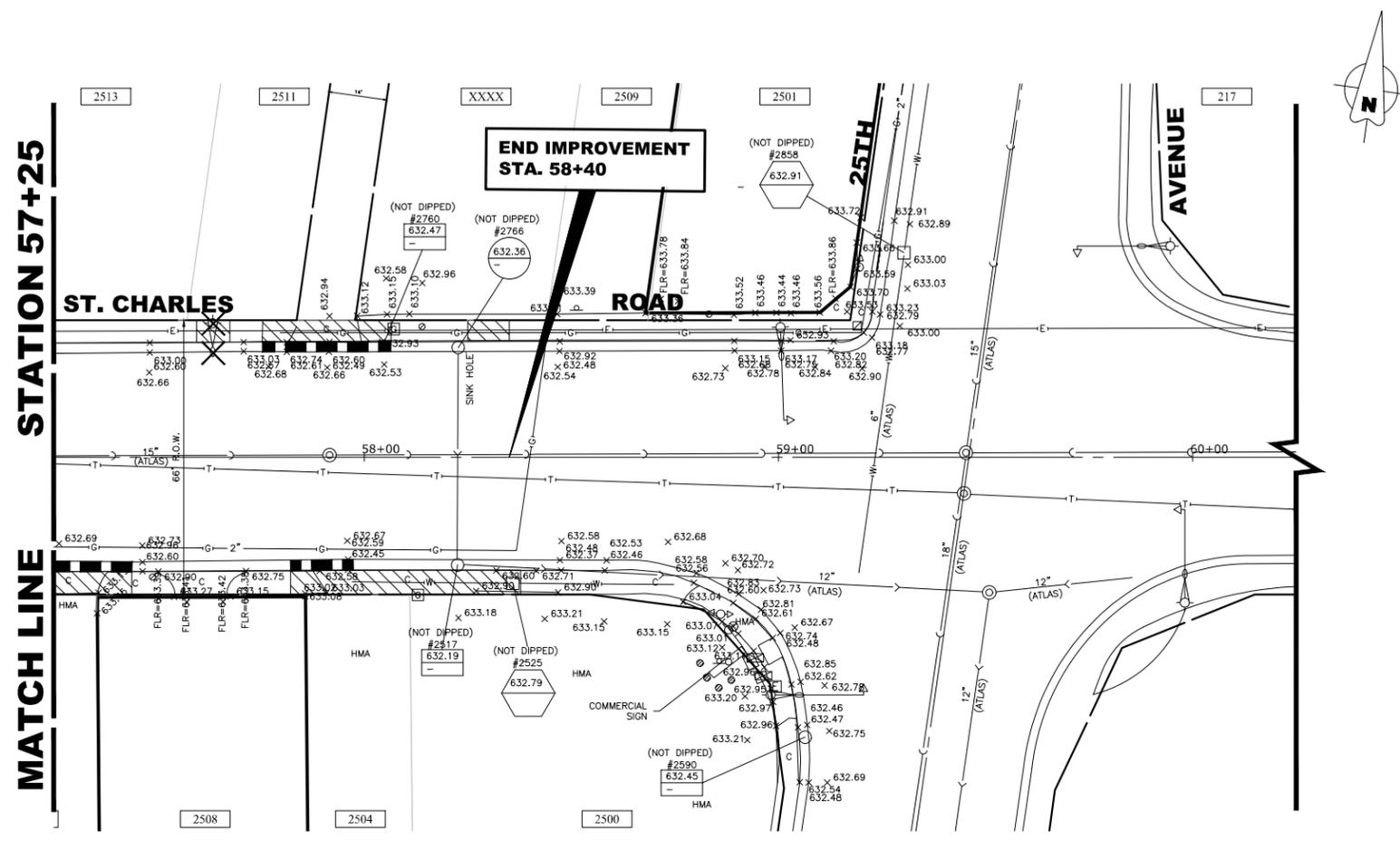
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>EXISTING CONDITIONS &amp; REMOVAL PLAN</b> <b>ST. CHARLES ROAD</b> <b>(EAST OF I.H.B.R.R.) AT 27TH &amp; 26TH AVENUE</b>			
SCALE: 1" = 20'	SHEET NO. 2 OF 3 SHEETS	STA. 51+50	TO STA. 57+25

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	18-00146-00-LS	COOK	36	13
FED. ROAD DIST. NO. 1		ILLINOIS	CONTRACT NO. 61H06	
		FED. AID PROJECT		

Drawing file: W:\Projects\_by\_Village\Bellwood\08020136 - St Charles Rd RTA-CMAQ\StChas Rd East.dwg Feb 10, 2021 - 12:00pm



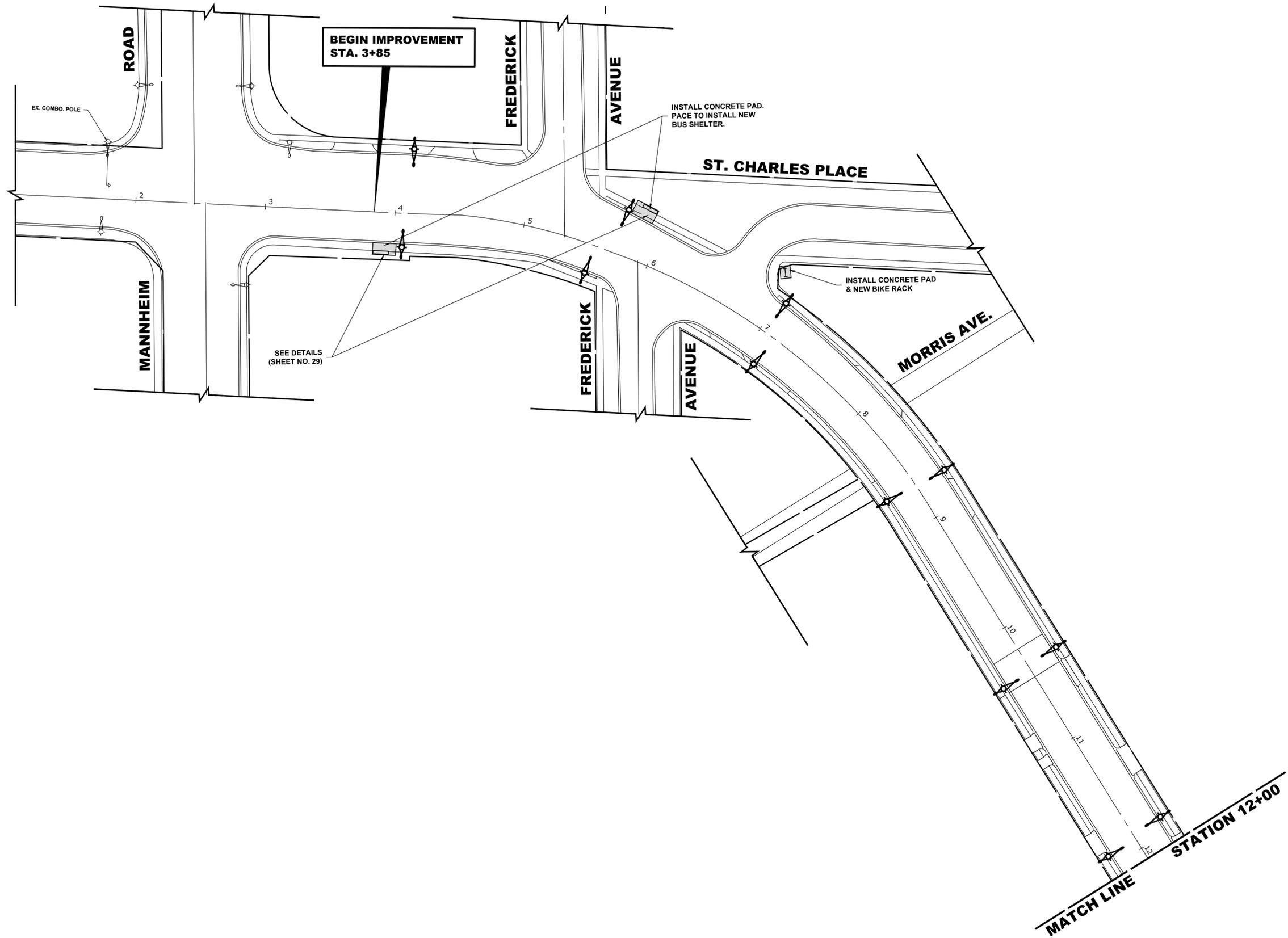
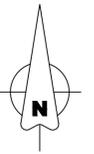
CMI Engineers  
 Municipal Consultants  
 Established 1911  
 7700 Roosevelt Road  
 Wheeling, IL 60154-2782  
 Phone: 708-966-1800  
 www.hancock.com

DESIGNED	- -	REVISED	- 01-11-21
DRAWN	- DMM, SFB	REVISED	-
CHECKED	- -	REVISED	-
DATE	- 2-10-21	REVISED	-

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>EXISTING CONDITIONS &amp; REMOVAL PLAN</b> <b>ST. CHARLES ROAD</b> <b>(EAST OF I.H.B.R.R.) AT 25TH AVENUE</b>			
SCALE: 1" = 20'	SHEET NO. 3 OF 3 SHEETS	STA. 57+25	TO STA. 60+25

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	18-00146-00-LS	COOK	36	14
FED. ROAD DIST. NO. 1   ILLINOIS		CONTRACT NO. 61H06		
FED. AID PROJECT		E.H.E. PROJECT NO. 080-20-13601		



Drawing file: W:\Projects\_by\_Village\Bellewood\08020136 - St. Charles Rd. RTA--CHAO\StChas\_She\St. Charles West Exhibit.dwg Mar 16, 2021 1:09pm



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 Westchester, IL 60154-2780  
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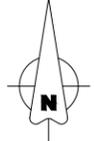
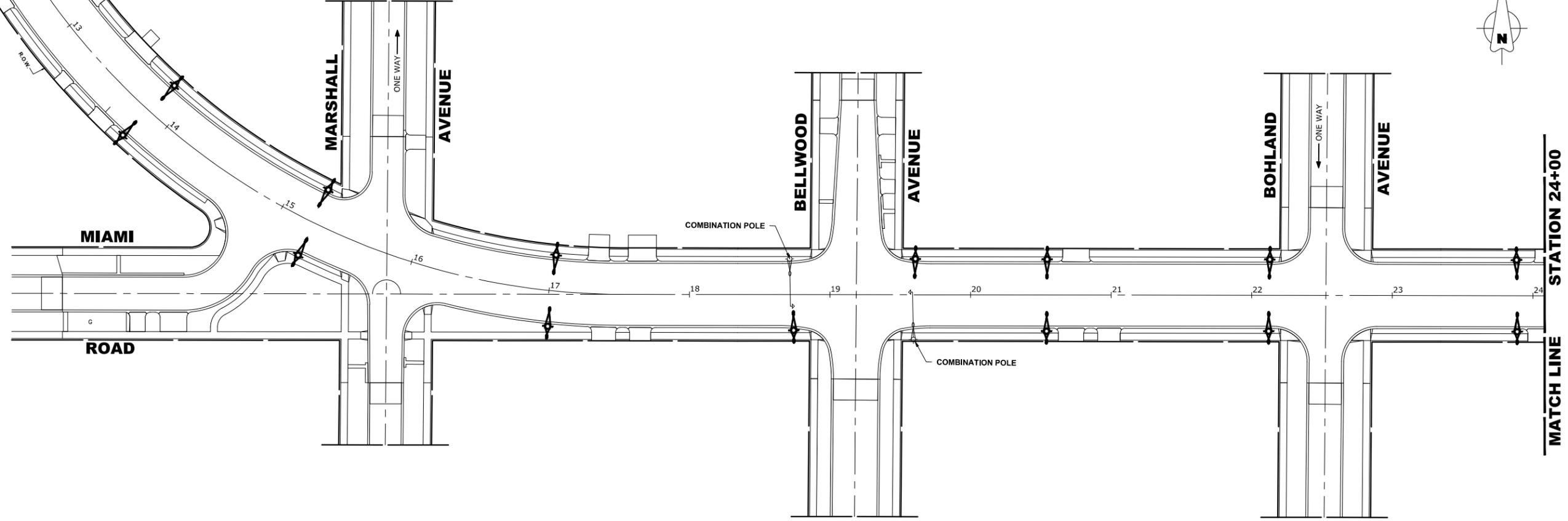
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DRAWN	--	REVISED	--	
CHECKED	--	REVISED	--	
DATE	--	REVISED	--	
	2-10-21			

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PROPOSED PLANS**  
**ST. CHARLES ROAD (WEST OF I.H.B.R.R.)**  
 SCALE: 1" = 40'    SHEET NO. 1 OF 4 SHEETS    STA. 1+00 TO STA. 12+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	18-00146-00-LS	COOK	36	15
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 61H06	
FED. AID PROJECT			E.H.E. PROJECT NO. 080-20-13601	

MATCH LINE  
STATION 12+00



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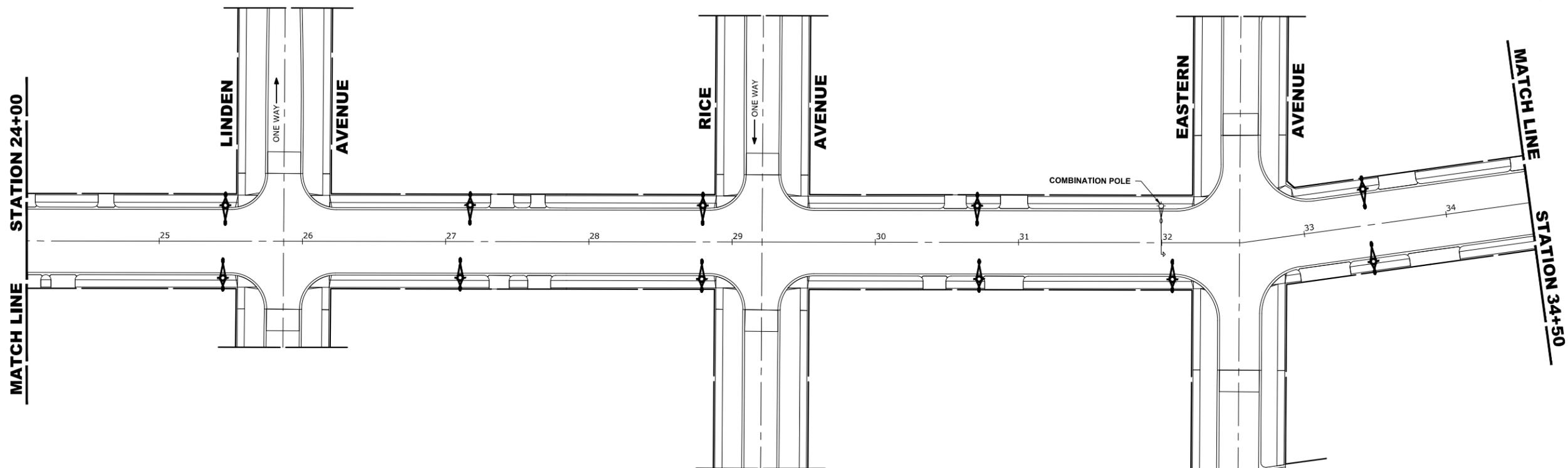
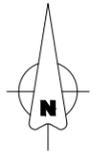
CMI Engineers  
 Municipal Consultants  
 Established 1911  
 7700 Roosevelt Road  
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 Phone: 708-966-1800  
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CHECKED	--	REVISED	--	
DATE	--	REVISED	--	
	2-10-21			

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PROPOSED PLANS**  
**ST. CHARLES ROAD (WEST OF I.H.B.R.R.)**  
 SCALE: 1" = 40'    SHEET NO. 2 OF 4 SHEETS    STA. 12+00 TO STA. 24+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	18-00146-00-LS	COOK	36	16
FED. ROAD DIST. NO. 1 ILLINOIS		CONTRACT NO. 61H06		
FED. AID PROJECT		E.H.E. PROJECT NO. 080-20-13601		



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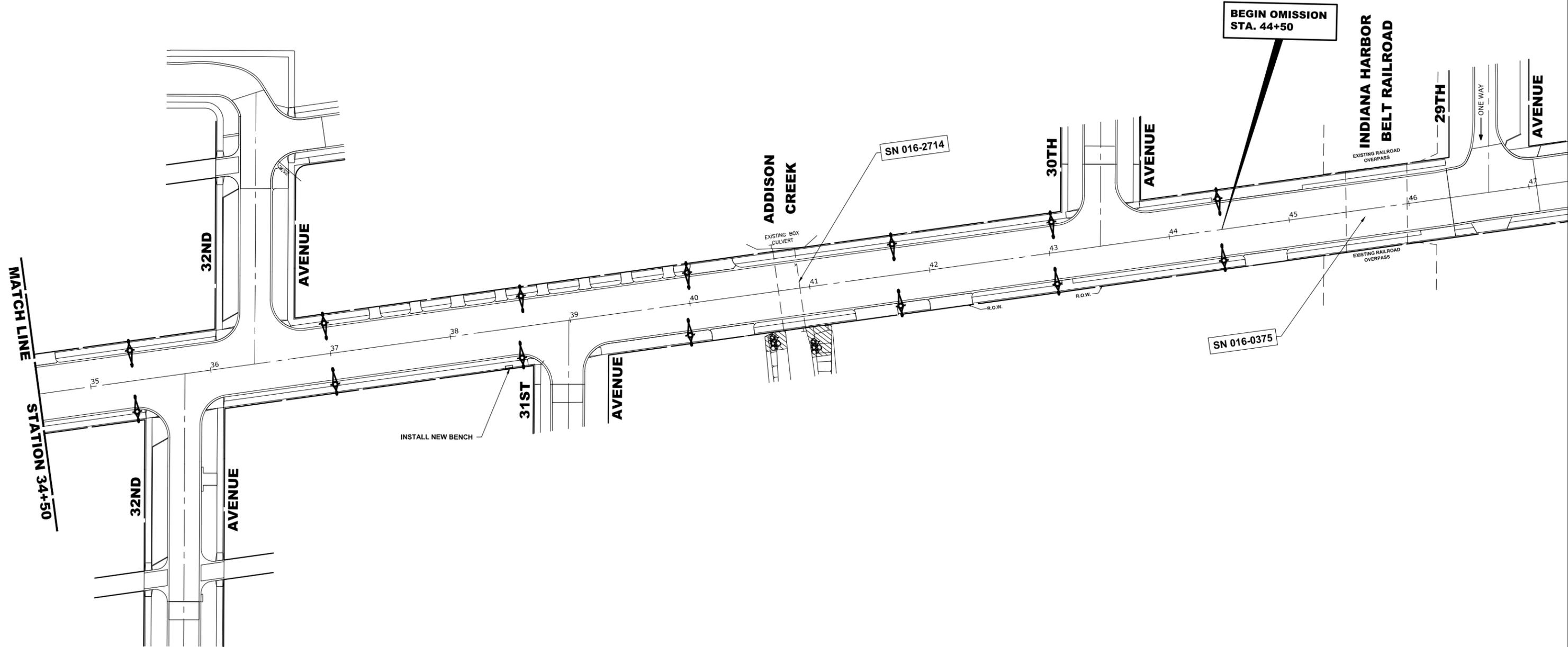
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CHECKED	--		REVISED	--
DATE	--	2-10-21	REVISED	--

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PROPOSED PLANS**  
**ST. CHARLES ROAD (WEST OF I.H.B.R.R.)**

SCALE: 1" = 40'    SHEET NO. 3 OF 4 SHEETS    STA. 24+00    TO STA. 34+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	18-00146-00-LS	COOK	36	17
FED. ROAD DIST. NO. 1 ILLINOIS		CONTRACT NO. 61H06		
FED. AID PROJECT		E.H.E. PROJECT NO. 080-20-13601		



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DRAWN	--	REVISED	--	
CHECKED	--	REVISED	--	
DATE	--	REVISED	--	
	2-10-21			

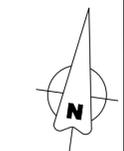
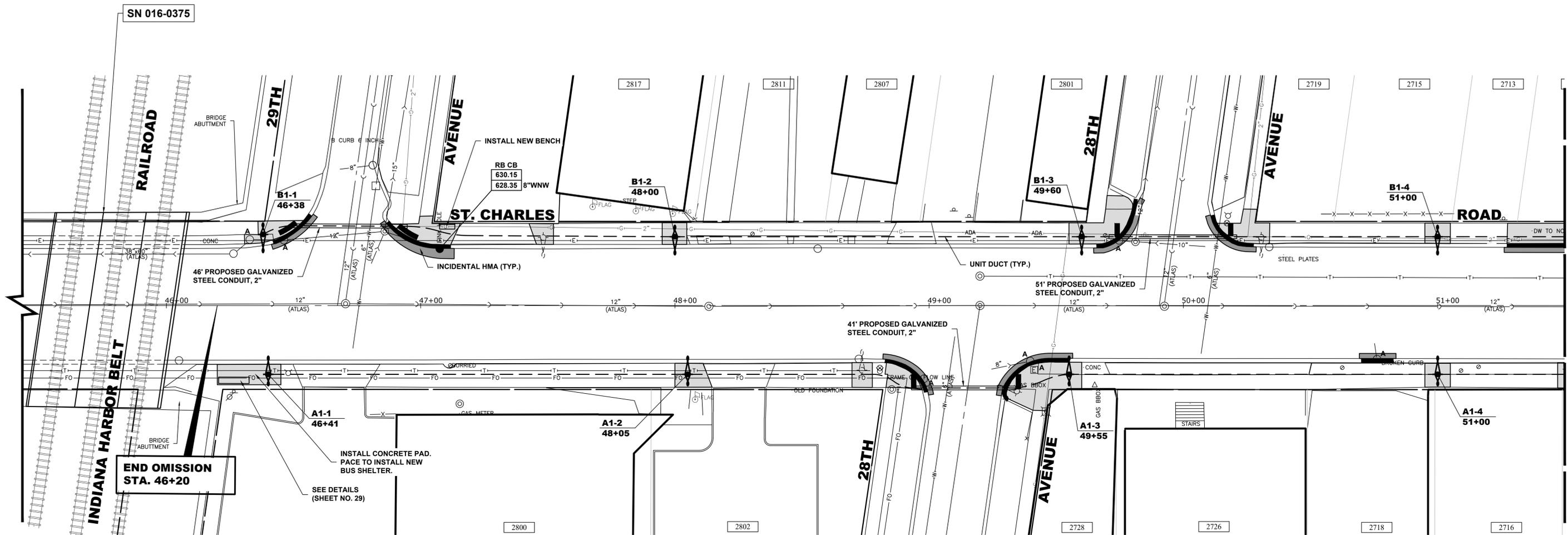
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PROPOSED PLANS**  
**ST. CHARLES ROAD (WEST OF I.H.B.R.R.)**

SCALE: 1" = 40'    SHEET NO. 4 OF 4 SHEETS    STA. 34+50    TO STA. 47+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	18-00146-00-LS	COOK	36	18
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 61H06	
FED. AID PROJECT			E.H.E. PROJECT NO. 080-20-13601	

Drawing file: W:\Projects\_by\_Village\Ballwood\08020136 - St Charles Rd RTA-CHAO\StChas She'St Charles Rd East.dwg Mar 16, 2021 - 1:09pm



**STATION 51+50**  
**MATCH LINE**



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CHECKED	- -	REVISED	-
DATE	- 2-10-21	REVISED	-

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

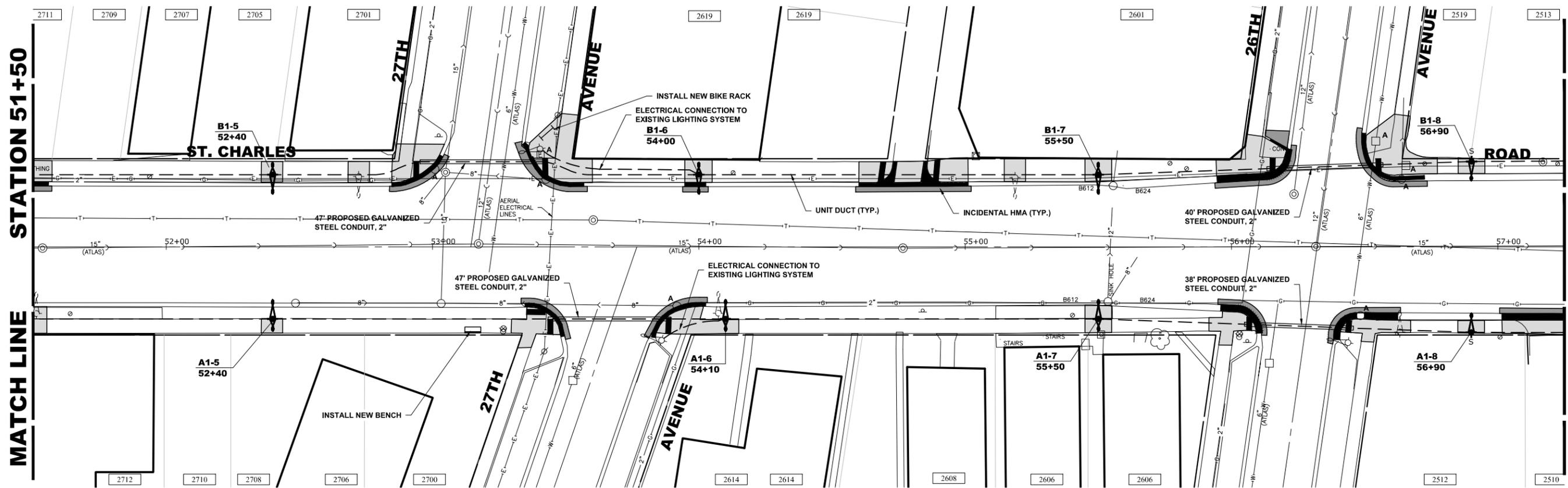
**PROPOSED PLANS**  
**ST. CHARLES ROAD**  
**(EAST OF I.H.B.R.R.) AT 29TH & 28TH AVENUE**  
 SCALE: 1" = 20'    SHEET NO. 1 OF 3 SHEETS    STA. 46+00 TO STA. 51+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	18-00146-00-LS	COOK	36	19
FED. ROAD DIST. NO. 1 ILLINOIS		CONTRACT NO. 61H06		
FED. AID PROJECT		E.H.E. PROJECT NO. 080-20-13601		

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STATION 51+50

STATION 57+25



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DRAWN	- DMM, SFB	REVISED	-
CHECKED	- -	REVISED	-
DATE	- 2-10-21	REVISED	-

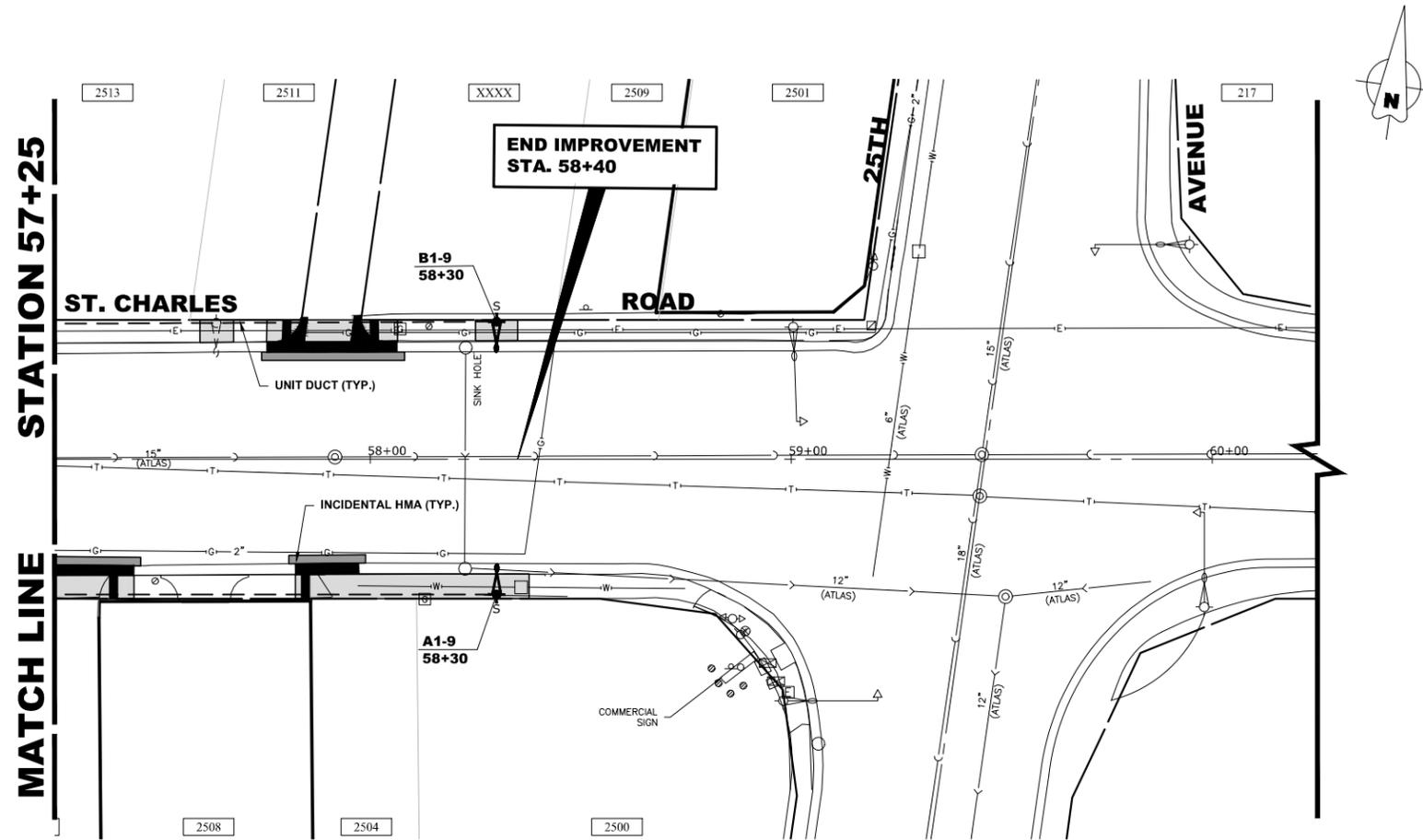
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PROPOSED PLANS**  
**ST. CHARLES ROAD**  
**(EAST OF I.H.B.R.R.) AT 27TH & 26TH AVENUE**

SCALE: 1" = 20'    SHEET NO. 2 OF 3 SHEETS    STA. 51+50    TO STA. 57+25

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	18-00146-00-LS	COOK	36	20
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 61H06	
FED. AID PROJECT			E.H.E. PROJECT NO. 080-20-13601	

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DATE	- 2-10-21	REVISED	-

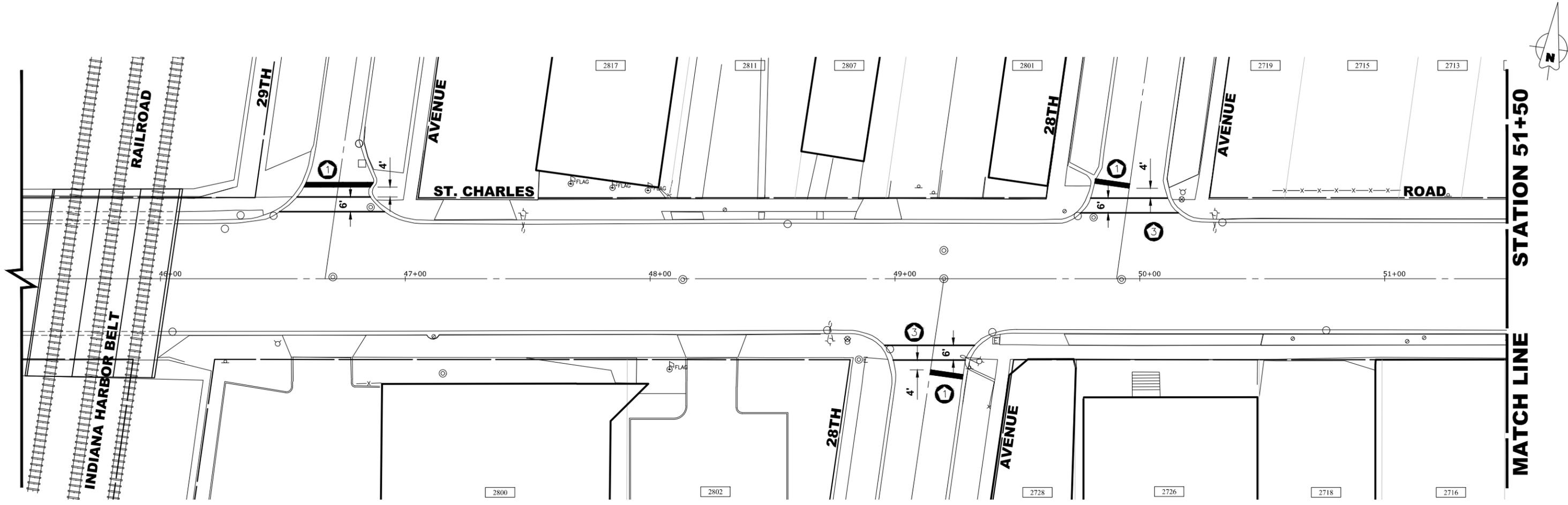
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

SCALE: 1" = 20'	SHEET NO. 3 OF 3 SHEETS	STA. 57+25	TO STA. 60+25
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**PROPOSED PLANS**  
**ST. CHARLES ROAD**  
**(EAST OF I.H.B.R.R.) AT 25TH AVENUE**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	18-00146-00-LS	COOK	36	21
FED. ROAD DIST. NO. 1 ILLINOIS		CONTRACT NO. 61H06		
FED. AID PROJECT		E.H.E. PROJECT NO. 080-20-13601		

Drawing file: W:\Projects\_by\_Village\Belwood\08020136 - St Charles Rd RTA-CMAQ\StChas Site\St Charles Rd East.dwg Feb 10, 2021 - 12:02pm



PAVEMENT MARKING LEGEND	
①	PROPOSED THERMOPLASTIC PAVEMENT MARKING - LINE 24" PERPENDICULAR TO TRAFFIC (TYP.)
②	PROPOSED THERMOPLASTIC PAVEMENT MARKING - LINE 12" (TYP.)
③	PROPOSED THERMOPLASTIC PAVEMENT MARKING - LINE 6" (TYP.)



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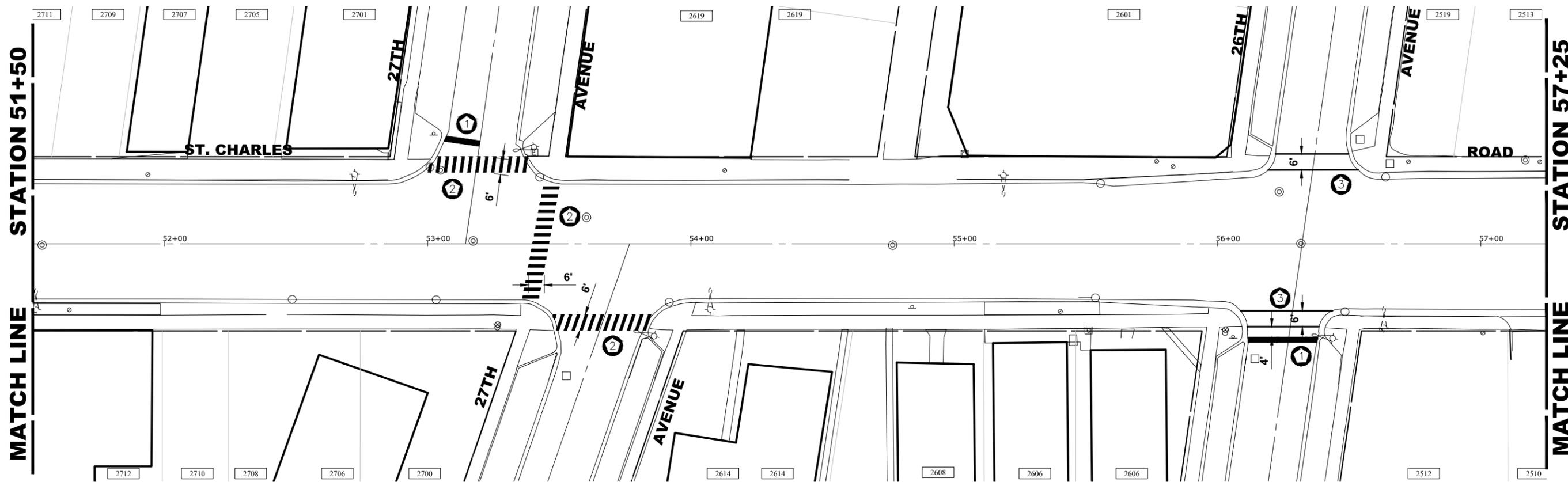
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DRAWN	-- DMM, SFB	REVISED	--
CHECKED	--	REVISED	--
DATE	-- 2-10-21	REVISED	--

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLANS			
ST. CHARLES ROAD			
(EAST OF I.H.B.R.R.) AT 29TH & 28TH AVENUE			
SCALE: 1" = 20'	SHEET NO. 1 OF 2 SHEETS	STA. 46+00	TO STA. 51+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	18-00146-00-LS	COOK	36	22
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 61H06	
FED. AID PROJECT			E.H.E. PROJECT NO. 080-20-13601	

Drawing file: W:\Projects\_by\_Village\Belwood\08020136 - St Charles Rd RTA-CMAQ\StChas Site\St Charles Rd East.dwg Feb 10, 2021 - 12:02pm



PAVEMENT MARKING LEGEND	
①	PROPOSED THERMOPLASTIC PAVEMENT MARKING - LINE 24" PERPENDICULAR TO TRAFFIC (TYP.)
②	PROPOSED THERMOPLASTIC PAVEMENT MARKING - LINE 12" (TYP.)
③	PROPOSED THERMOPLASTIC PAVEMENT MARKING - LINE 6" (TYP.)



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 Established 1911  
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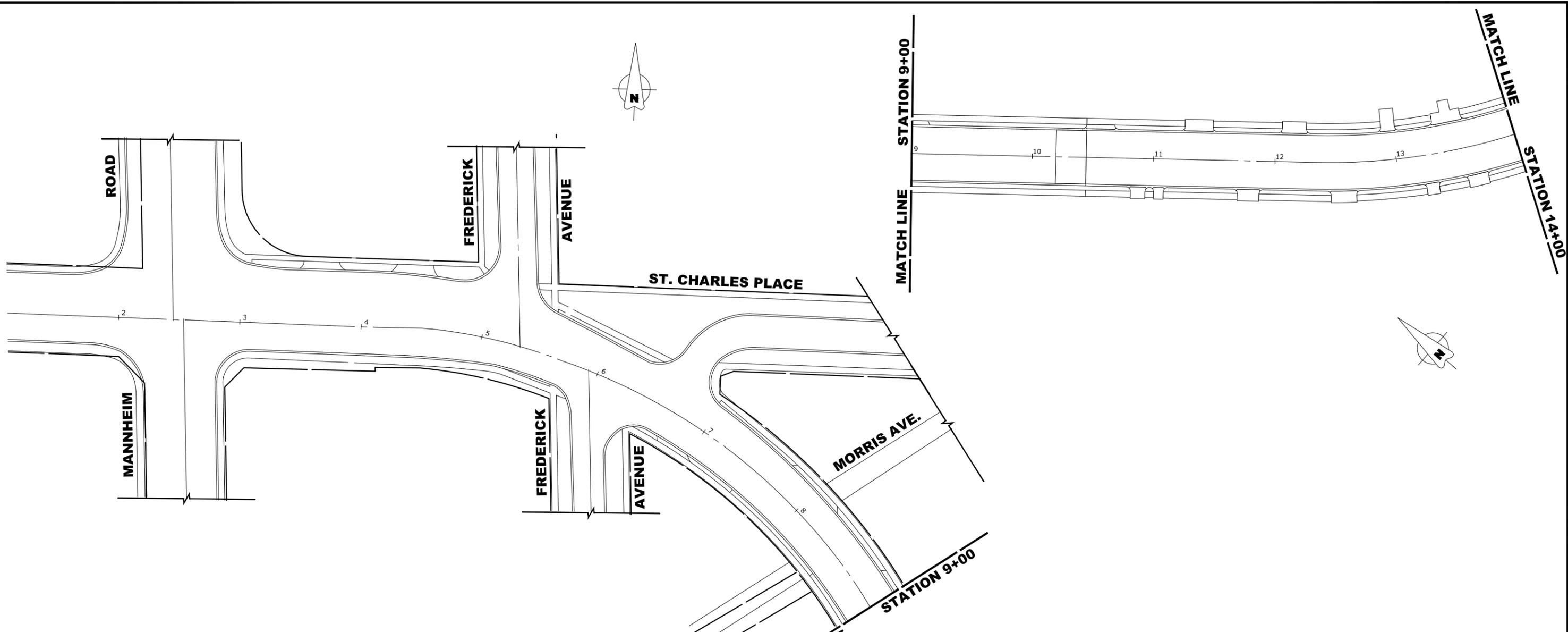
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CHECKED	- -	REVISED	-
DATE	- 2-10-21	REVISED	-

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLANS**  
**ST. CHARLES ROAD**  
**(EAST OF I.H.B.R.R.) AT 27TH & 26TH AVENUE**

SCALE: 1" = 20'    SHEET NO. 2 OF 2 SHEETS    STA. 51+50    TO STA. 57+25

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	18-00146-00-LS	COOK	36	23
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 61H06	
FED. AID PROJECT			E.H.E. PROJECT NO. 080-20-13601	



**EROSION AND SEDIMENT CONTROL PLAN**

THE EXISTING LAND COVER CONSISTS OF PAVED STREETS WITH MINOR GRASS PARKWAYS LOCATED IN A RESIDENTIAL AREA. THE AREAS ADJACENT TO THE PROJECT SITE ARE COMPRISED OF DENSE RESIDENTIAL PROPERTIES. FLOOD PROTECTION AREAS AND POINTS OF DISCHARGE TO JURISDICTIONAL WATERS OF THE U.S. DO NOT EXIST ON THIS PROJECT. WE DO NOT BELIEVE THERE ARE ANY AREAS SUSCEPTIBLE TO EROSION OR SEDIMENTATION DUE TO THESE IMPROVEMENTS. SOIL DATA IS NOT AVAILABLE BUT, PAST PROJECTS IN THE SUBJECT VILLAGE CONCLUDE THAT THE EXISTING SOIL CONSISTS OF CLAY WITH SOME MINOR SILT AND TRACES OF SAND.

PRIOR TO ANY SOIL/PAVEMENT DISTURBANCE, INLET FILTER ASSEMBLIES SHALL BE INSTALLED AS SHOWN ON PLANS.

THE INLET FILTER, PRIMARY PURPOSE IS TO TRAP SEDIMENT, REQUIRED FOR THIS PROJECT WILL BE A DROP IN INLET PROTECTION DEVICE SIMILAR TO FLEXSTORM INLET FILTERS. INLET FILTERS OF THIS TYPE HAVE BEEN USED ON PAST PROJECTS OF SIMILAR SIZE AND SCOPE AND HAVE HAD SATISFACTORY RESULTS.

THE INLET FILTER ASSEMBLY SHALL BE APPROVED BY THE ENGINEER OR VILLAGE PRIOR TO ORDERING AND INSTALLATION. THE INLET FILTER SHALL BE INSPECTED WEEKLY AND AFTER A 0.5 INCH RAIN EVENT BY THE ENGINEER. THE ENGINEER WILL REPORT ANY ISSUES, VIA VERBAL OR WRITTEN COMMUNICATION, THAT NEED TO BE ADDRESSED BY THE CONTRACTOR.

MAINTENANCE OF THE PROPOSED INLET FILTER WILL BE PER MANUFACTURE RECOMMENDATIONS AND WILL BE DONE BY THE CONTRACTOR. TYPICAL MAINTENANCE PRACTICES INCLUDE INSPECTION AFTER A RUNOFF EVENT, SEDIMENT REMOVAL AT 50% CAPACITY, AND REPAIRS/REPLACEMENT AS NEEDED.

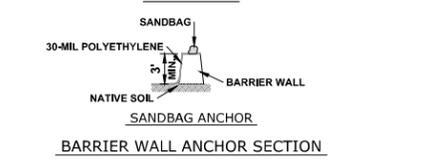
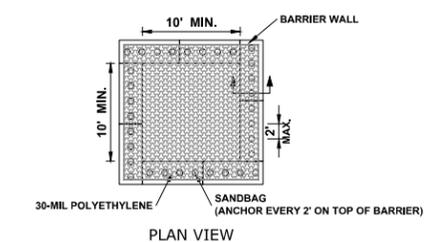
PRIOR TO ANY PORTLAND CEMENT CONCRETE (PCC) POUR, CONCRETE WASHOUT BOXES SHALL BE INSTALLED AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.

CONCRETE WASHOUT BOXES, PRIMARY PURPOSE IS TO CONTAIN CONCRETE LIQUIDS AND PREVENT CONCRETE LIQUID RUNOFF FROM ENTERING SEWERS OR WATERWAYS. REQUIRED FOR THIS PROJECT WILL CONSIST OF A BARRIER WALL LINED WITH 30-MIL POLYETHYLENE OR AN ENGINEER APPROVED EQUAL WASHOUT. CONCRETE WASHOUT BOXES OF THIS TYPE HAVE BEEN USED ON PAST PROJECTS OF SIMILAR SIZE AND SCOPE AND HAVE HAD SATISFACTORY RESULTS.

THE PLAN FOR THE CONCRETE WASHOUT BOX SHALL BE SUBMITTED AND APPROVED BY THE ENGINEER OR VILLAGE PRIOR TO INSTALLATION AND WILL BE INSPECTED AFTER INSTALLATION. THE WASHOUT BOX SHALL BE INSPECTED PRIOR TO A CONCRETE POUR AND AFTER A CONCRETE POUR BY THE ENGINEER. THE ENGINEER WILL REPORT ANY ISSUES, VIA VERBAL OR WRITTEN COMMUNICATION, THAT NEED TO BE ADDRESSED BY THE CONTRACTOR.

MAINTENANCE OF THE PROPOSED CONCRETE WASHOUT BOXES WILL BE DONE BY THE CONTRACTOR. TYPICAL MAINTENANCE PRACTICES INCLUDE REPLACING DAMAGED LINER, DISPOSING OF SOLIDIFIED CONCRETE WASHOUT, AND REMOVAL OF ANY DISCHARGES WITHIN 24 HOURS.

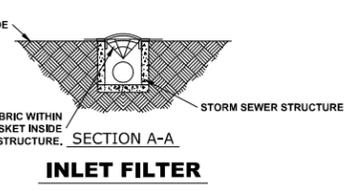
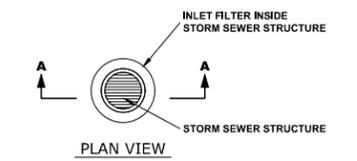
ALL DISPOSAL OF CONSTRUCTION MATERIAL, SEDIMENT, AND SOLIDIFIED CONCRETE SHALL BE AT A CCDD FACILITY



**NOTES**

1. MAINTAINING TEMPORARY CONCRETE FACILITIES SHALL INCLUDE REMOVING AND DISPOSING OF HARDEN CONCRETE AND/OR SLURRY AND RETURNING THE FACILITIES TO A FUNCTIONAL CONDITION.
2. FACILITY SHALL BE CLEANED OR RECONSTRUCTED IN A NEW AREA ONCE WASHOUT BECOMES TWO-THIRDS FULL.

**CONCRETE WASHOUT**



**INLET FILTER**

**CONSTRUCTION SEQUENCE :**

1. INSTALL EROSION CONTROL MEASURES
2. COMPLETE ALL UNDERGROUND WORK
3. PAVEMENT PATCHING
4. RESURFACE PAVEMENTS
5. RESTORE DAMAGED AREAS ADJACENT TO IMPROVEMENTS
6. REMOVE EROSION CONTROL MEASURES

**LEGEND**

- SYMBOL**
- ◆ INLET FILTER/SEDIMENT CONTROL, DRAINAGE STRUCTURE, INLET FILTER CLEANING
  - CONCRETE WASHOUT

**NOTES**

1. SEE IDOT STANDARD 280001-07 FOR TEMPORARY EROSION CONTROL SYSTEMS.
2. THE CONTRACTOR SHALL ENSURE THAT ADJACENT PROPERTIES REMAIN PROTECTED FROM SEDIMENT DEPOSITION.
3. SOIL STOCKPILES SHALL BE PROTECTED WITH PERIMETER EROSION BARRIER OR OTHER EROSION PROTECTION SPECIFIED BY THE RESIDENT ENGINEER. THE COST SHALL BE INCLUDED IN THE UNIT PRICE FOR THE INDIVIDUAL SOIL MATERIALS.
4. WHEREVER CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY RUNOFF OR VEHICLE TRACKING ONTO THE PAVED SURFACE. THE PROVISIONS MAY INCLUDE SPRAYING VEHICLE WHEELS TO CLEAR SEDIMENT BEFORE EXITING THE CONSTRUCTION SITE OR OTHER MEASURES APPROVED BY THE ENGINEER.
5. INLET FILTERS SHALL BE PAID FOR UNDER THE PAY ITEM FOR MAINTENANCE OF ROADWAYS. THE COST OF THE CONCRETE WASHOUTS SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
6. INLET FILTER SHALL BE INSTALLED PRIOR TO CONSTRUCTION AND SHALL BE REMOVED AFTER CONSTRUCTION IS COMPLETED. FILTERS WILL BE INSPECTED WEEKLY AND THE CONTRACTOR WILL BE NOTIFIED OF ANY CORRECTIVE MEASURES THAT WILL BE REQUIRED TO BE MADE BY THE CONTRACTOR.

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 1911 Established  
 CMI Engineers  
 Municipal Consultants  
 1990 Roosevelt Road  
 Westchester, IL 60154-2702  
 Phone: 708/665-0322  
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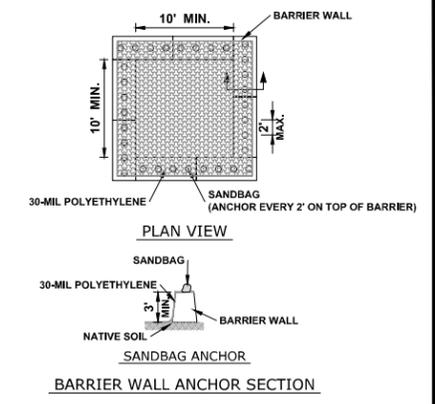
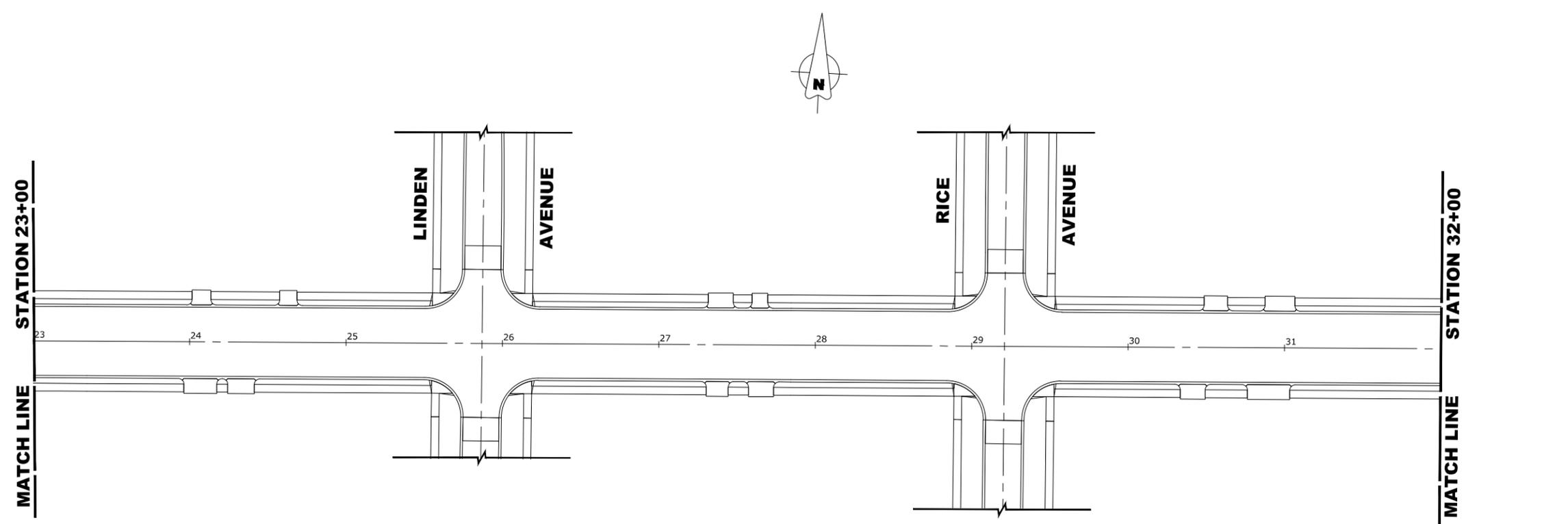
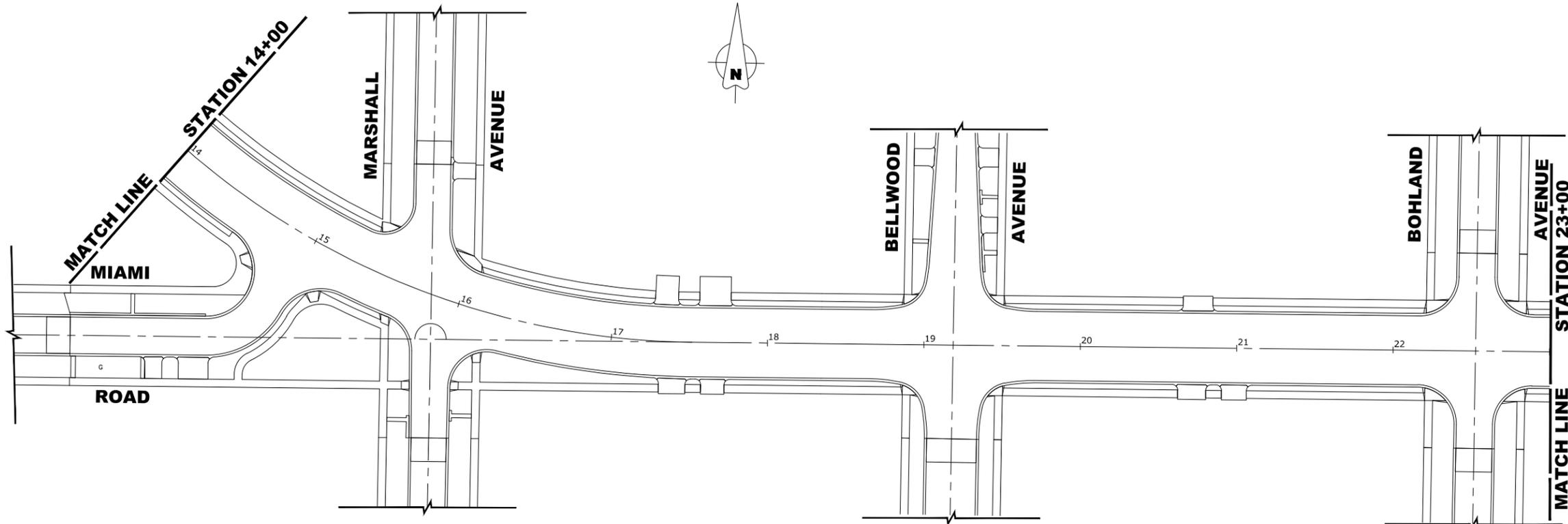
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DRAWN	DMM, SFB	REVISED	-
CHECKED	- -	REVISED	-
DATE	2-10-21	REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN**

SCALE: 1" = 20'  
 SHEET NO. 1 OF 3 SHEETS  
 STA. X TO STA. X

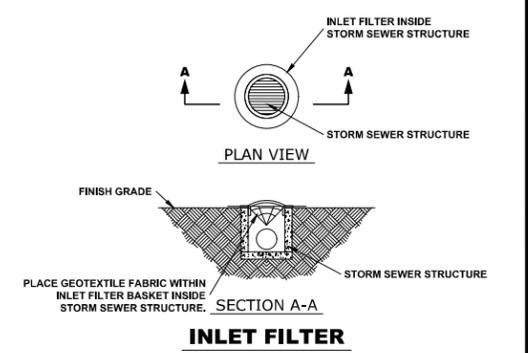
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	18-00146-00-LS	COOK	36	24
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 61H06	
			FED. AID PROJECT	



**NOTES**

1. MAINTAINING TEMPORARY CONCRETE FACILITIES SHALL INCLUDE REMOVING AND DISPOSING OF HARDEN CONCRETE AND/OR SLURRY AND RETURNING THE FACILITIES TO A FUNCTIONAL CONDITION.
2. FACILITY SHALL BE CLEANED OR RECONSTRUCTED IN A NEW AREA ONCE WASHOUT BECOMES TWO-THIRDS FULL.

**CONCRETE WASHOUT**



**CONSTRUCTION SEQUENCE :**

1. INSTALL EROSION CONTROL MEASURES
2. COMPLETE ALL UNDERGROUND WORK
3. PAVEMENT PATCHING
4. RESURFACE PAVEMENTS
5. RESTORE DAMAGED AREAS ADJACENT TO IMPROVEMENTS
6. REMOVE EROSION CONTROL MEASURES

**LEGEND**

- SYMBOL
- INLET FILTER/SEDIMENT CONTROL, DRAINAGE STRUCTURE, INLET FILTER CLEANING
  - CONCRETE WASHOUT

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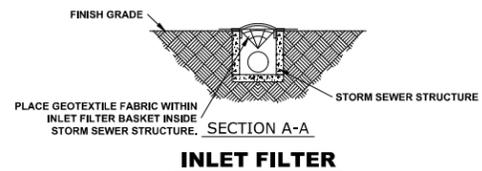
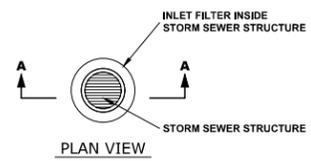
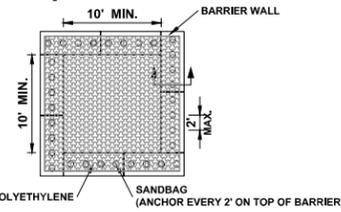
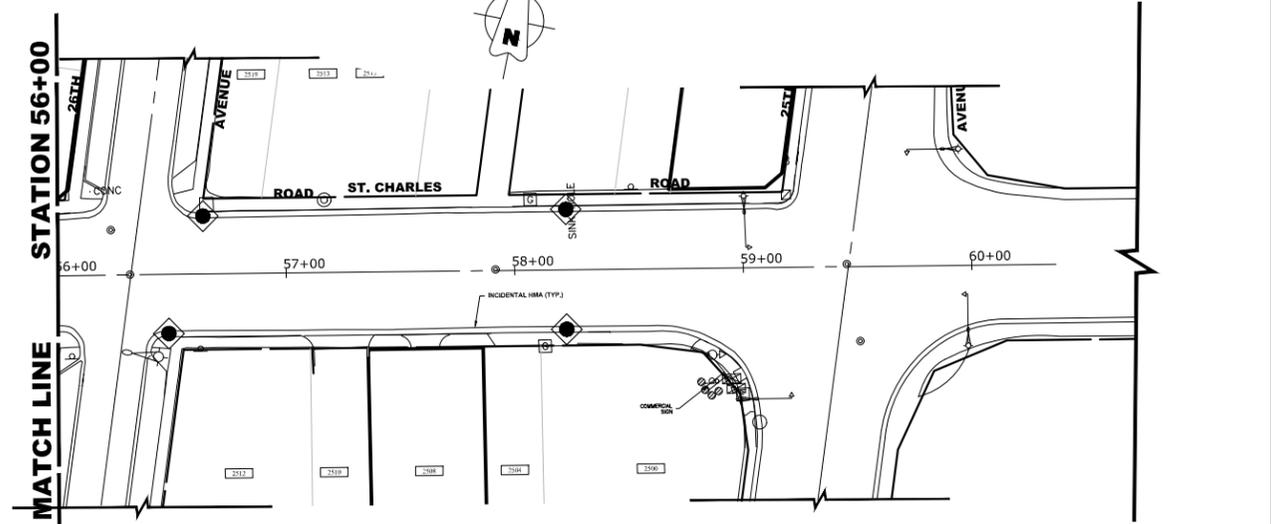
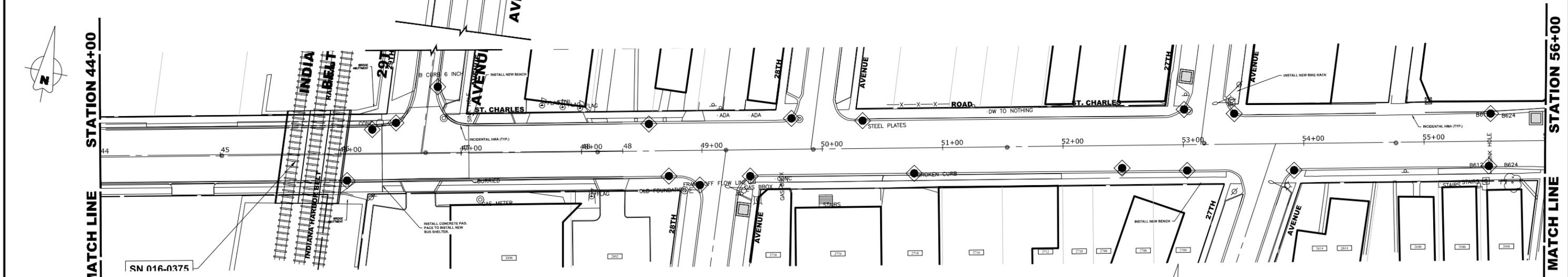
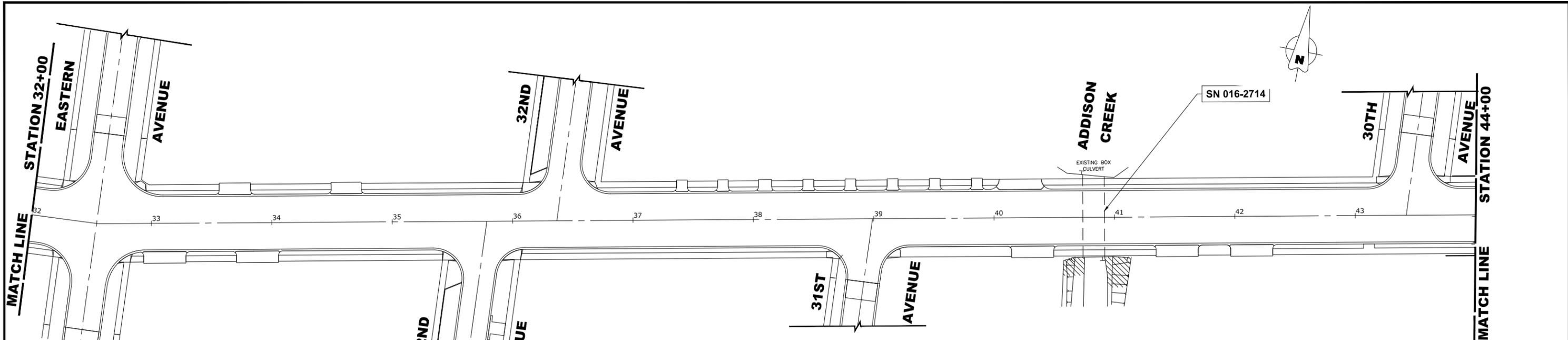
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DRAWN - DM, SFB	REVISED -
CHECKED - -	REVISED -
DATE - 2-10-21	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN**

SCALE: 1" = 20'    SHEET NO. 1 OF 3 SHEETS    STA. X    TO STA. X

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	18-00146-00-LS	COOK	36	25
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 61H06	
			FED. AID PROJECT	



- CONSTRUCTION SEQUENCE :**
1. INSTALL EROSION CONTROL MEASURES
  2. COMPLETE ALL UNDERGROUND WORK
  3. PAVEMENT PATCHING
  4. RESURFACE PAVEMENTS
  5. RESTORE DAMAGED AREAS ADJACENT TO IMPROVEMENTS
  6. REMOVE EROSION CONTROL MEASURES

- LEGEND**
- SYMBOL**
- ◆ INLET FILTER/SEDIMENT CONTROL, DRAINAGE STRUCTURE, INLET FILTER CLEANING
  - CONCRETE WASHOUT

- NOTES**
1. MAINTAINING TEMPORARY CONCRETE FACILITIES SHALL INCLUDE REMOVING AND DISPOSING OF HARDEN CONCRETE AND/OR SLURRY AND RETURNING THE FACILITIES TO A FUNCTIONAL CONDITION.
  2. FACILITY SHALL BE CLEANED OR RECONSTRUCTED IN A NEW AREA ONCE WASHOUT BECOMES TWO-THIRDS FULL.

**CONCRETE WASHOUT**

**INLET FILTER**



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REVISED -

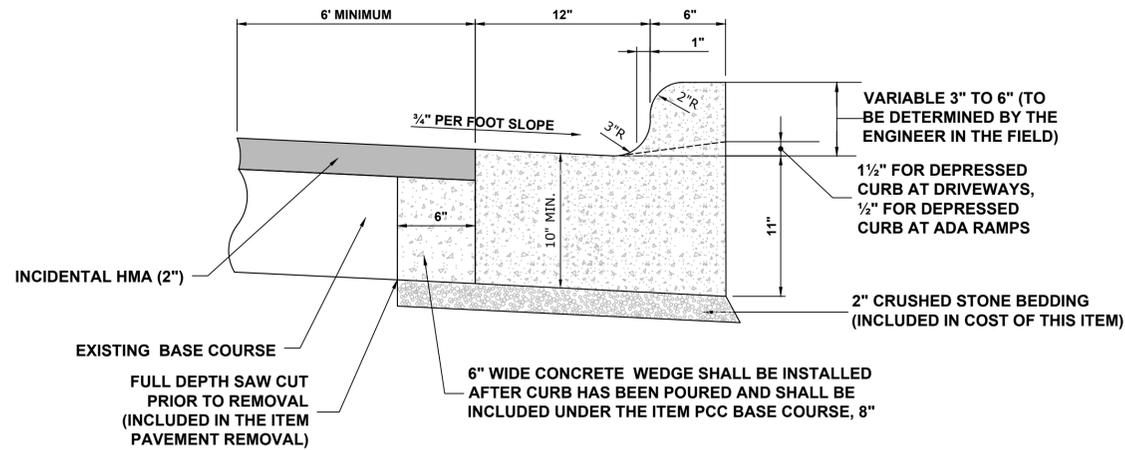
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN**

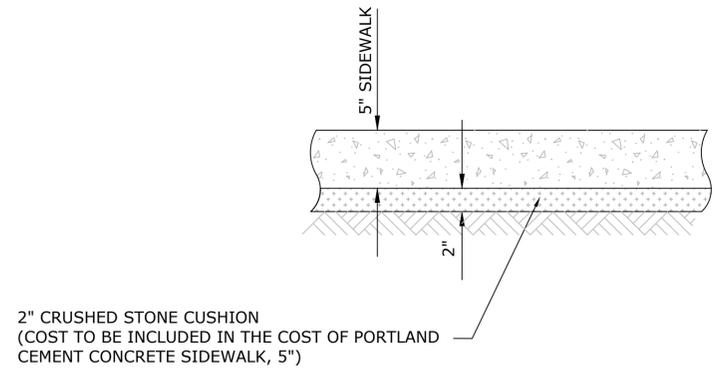
SCALE: 1" = 20' SHEET NO. 1 OF 3 SHEETS STA. X TO STA. X

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	18-00146-00-LS	COOK	36	26
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 61H06	
E.H.E. PROJECT NO. 080-20-13601			FED. AID PROJECT	

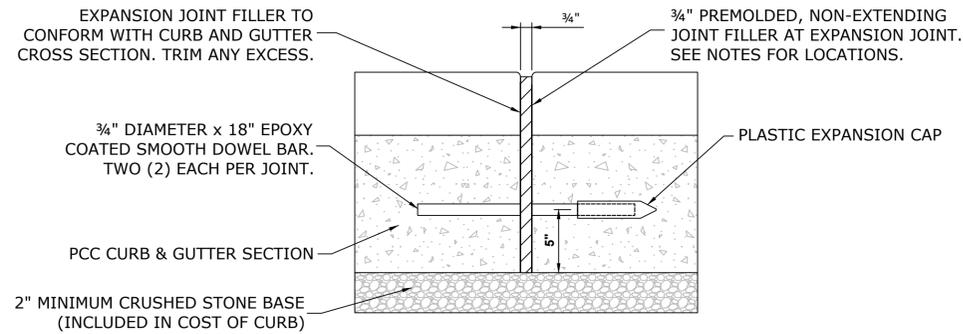
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**COMBINATION CONCRETE CURB & GUTTER TYPE B-6.12 (MODIFIED)**

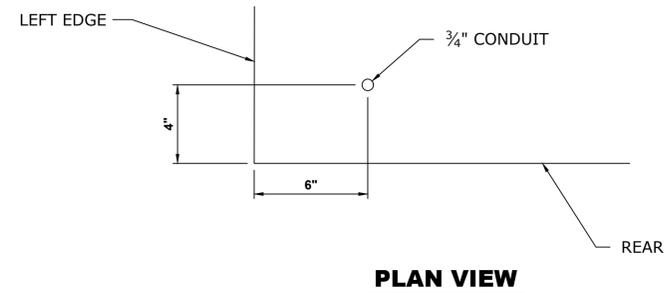


**TYPICAL P.C.C. SIDEWALK**

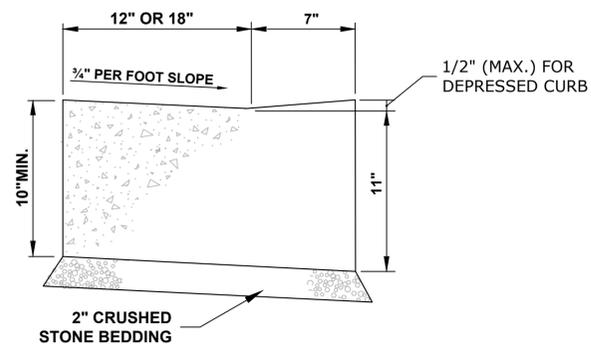


NOTE:  
 1. EXPANSION JOINTS ARE TO BE CONSTRUCTED AT ALL PC'S & PT'S OF INTERSECTION RETURNS AND ALL OTHER SHORT RADIUS SECTIONS, CONSTRUCTION JOINTS, EVERY 60' ON TANGENT SECTIONS, AND AS DIRECTED BY THE ENGINEER.

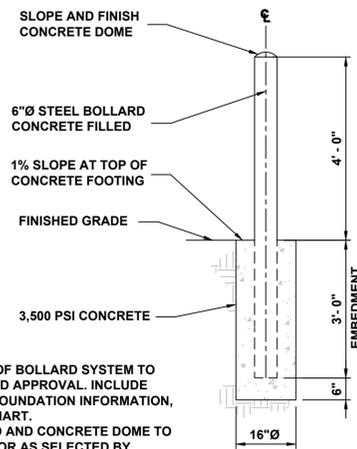
**TYPICAL CURB AND GUTTER EXPANSION JOINT**



**PLAN VIEW**

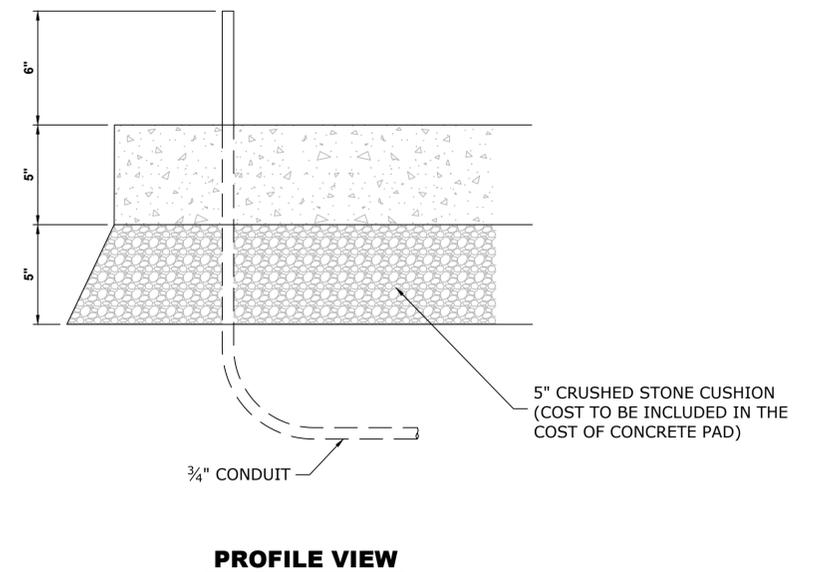


**CURB AND GUTTER AT A.D.A. RAMPS**



NOTES:  
 1. SUBMIT SHOP DRAWINGS OF BOLLARD SYSTEM TO ENGINEER FOR REVIEW AND APPROVAL. INCLUDE PRODUCT INFORMATION, FOUNDATION INFORMATION, AND STANDARD COLOR CHART.  
 2. PAINT COLOR OF BOLLARD AND CONCRETE DOME TO BE FIRE SAFETY YELLOW (OR AS SELECTED BY ENGINEER).  
 3. PROVIDE EXPANSION JOINTS WHERE BOLLARD FOOTING IS ADJACENT TO RIGID STRUCTURES AND/OR PAVEMENTS.

**6" BOLLARD**



**PROFILE VIEW**

**TYPICAL CONCRETE PAD**

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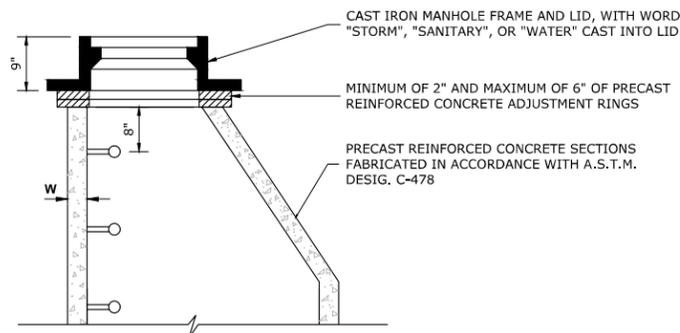
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DATE	-	REVISED	-	

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 DEPARTMENT OF TRANSPORTATION**

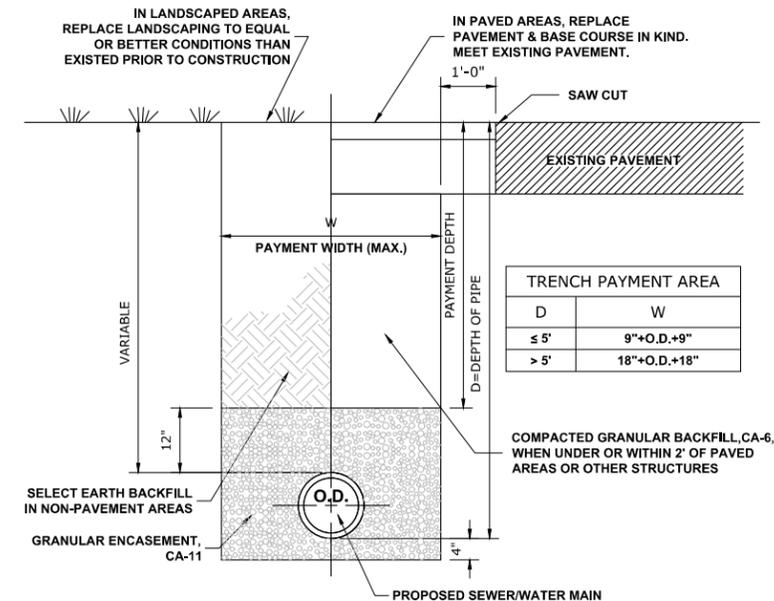
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SCALE: NONE SHEET NO. 1 OF 5 SHEETS STA. - TO STA. -

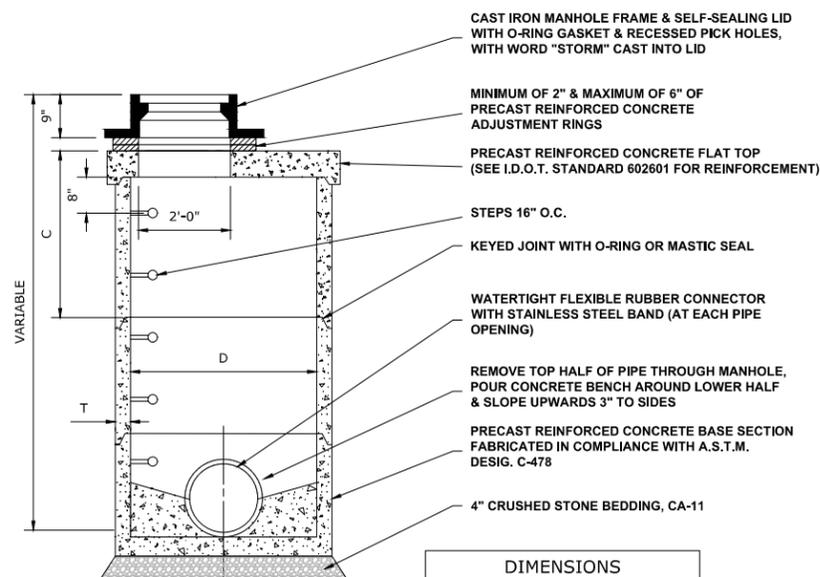
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	18-00146-00-LS	COOK	36	27
FED. ROAD DIST. NO. 1   ILLINOIS			CONTRACT NO. 61H06	
FED. AID PROJECT			E.H.E. PROJECT NO. 080-20-13601	



**STRUCTURE RECONSTRUCTION**

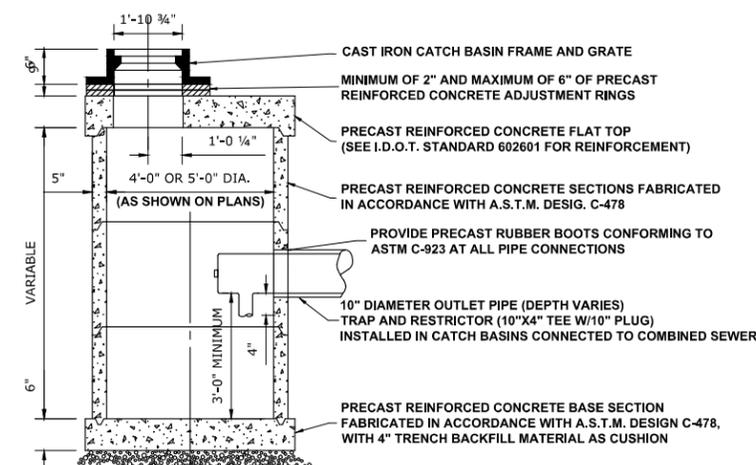


**TYPICAL SEWER AND WATER MAIN TRENCH**



DIMENSIONS		
D	C	T(MIN.)
3'-0"	1'-3"	4"
4'-0"	2'-6"	4"
5'-0"	3'-9"	5"

**MANHOLES, TYPE A, 4' DIAMETER,  
TYPE 1 FRAME, CLOSED LID, SPECIAL**



**CATCH BASINS, TYPE A, 4' DIAMETER,  
TYPE 1 FRAME, OPEN LID, SPECIAL**

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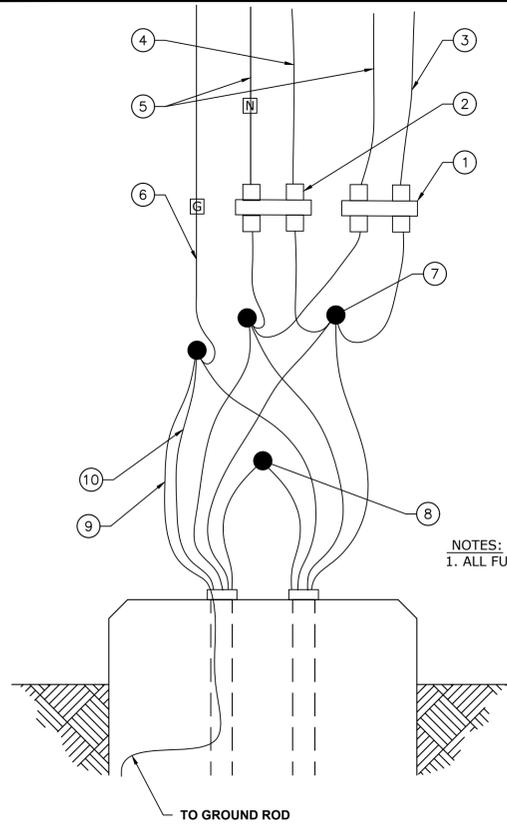
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAILS**

SCALE: NONE SHEET NO. 2 OF 5 SHEETS STA. - TO STA. -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	18-00146-00-LS	COOK	36	28
CONTRACT NO. 61H06				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

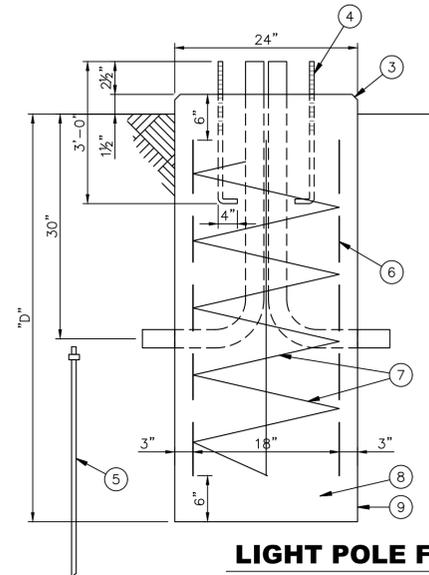
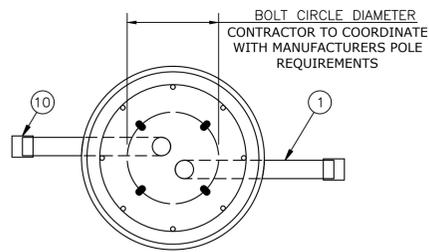
E.H.E. PROJECT NO. 080-20-13601



- ① DOUBLE POLE FUSE HOLDER (HEX) WITH ONE 10 AMP FUSE AND ONE NEUTRAL SOLID SLUG TO LUMINAIRES.
- ② DOUBLE POLE FUSE HOLDER (HEX) WITH ONE 10 AMP FUSE AND ONE NEUTRAL SOLID SLUG TO RECEPTACLE
- ③ PHASE CONDUCTORS SINGLE, 10 AWG, CU 600 V TO LUMINAIRES
- ④ PHASE CONDUCTORS SINGLE, 10 AWG, CU 600 V TO RECEPTACLE
- ⑤ NEUTRAL CONDUCTOR SINGLE, 10 AWG, CU 600 V
- ⑥ GROUND CONDUCTOR TO LUMINAIRES AND RECEPTACLE, 10 AWG
- ⑦ CABLE SPLICE (TYPICAL)
- ⑧ CIRCUIT TO NEXT POLE (AS APPLICABLE)
- ⑨ INSULATED GREEN GROUND CONDUCTOR TO GROUNDING ROD
- ⑩ INSULATED GROUND CONDUCTOR SIZE AS SHOWN ON PLANS

NOTES:  
1. ALL FUSE HOLDERS SHALL INCLUDE BOOTS

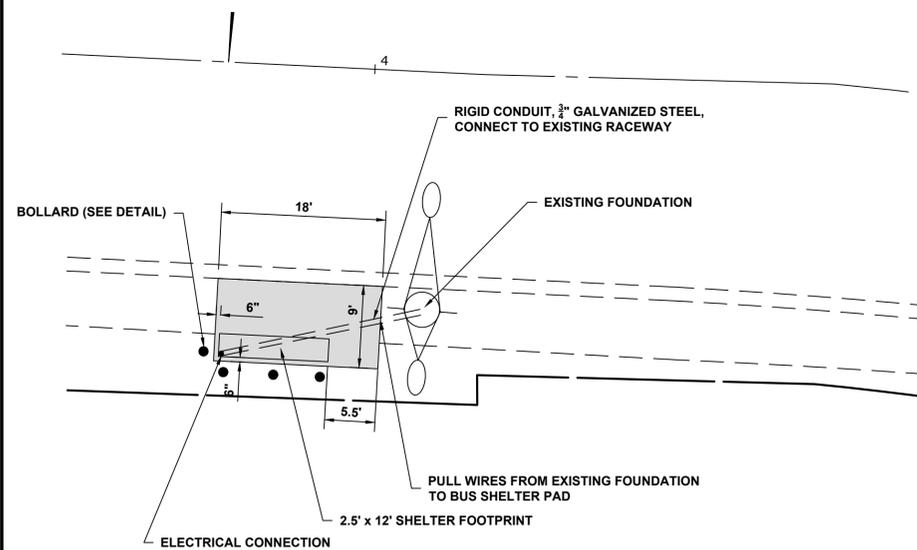
**POLE BASE WIRING DIAGRAM**  
(NOT TO SCALE)



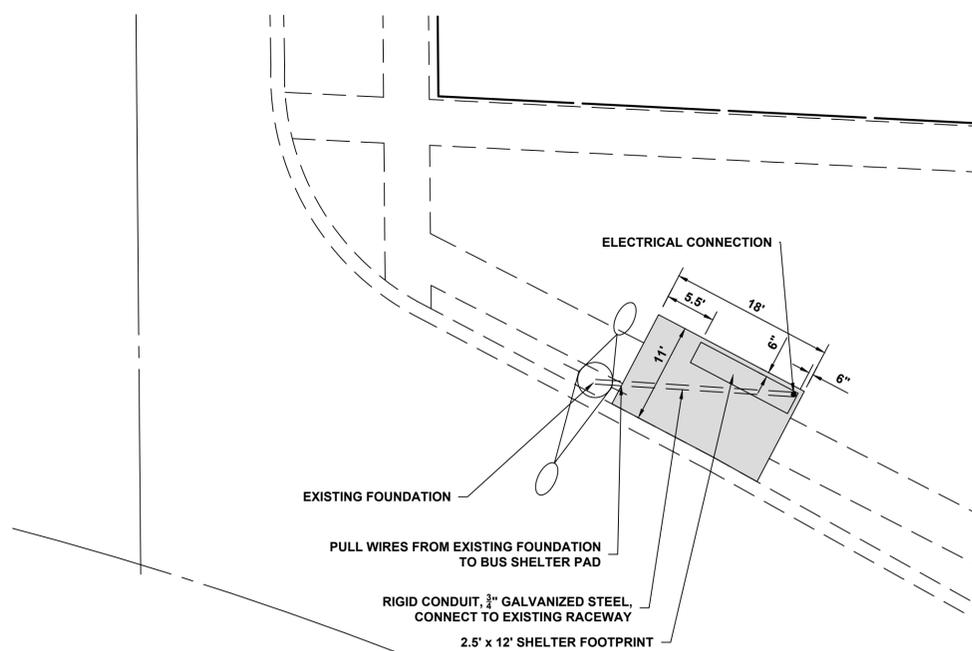
**LIGHT POLE FOUNDATION CONCRETE**

TYPE OF SOIL	DESIGN DEPTH OF FOUNDATION	REINFORCEMENT IN FOUNDATION	
		VERT. BARS	SPIRAL
SOFT CLAY	11'-0"	8-#6 x 10'-0"	#4 x 157'
MEDIUM CLAY	9'-0"	8-#6 x 8'-0"	#4 x 110'
STIFF CLAY	7'-6"	8-#6 x 6'-6"	#4 x 78'
LOOSE CLAY	9'-6"	8-#6 x 8'-6"	#4 x 102'
MEDIUM SAND	9'-3"	8-#6 x 8'-3"	#4 x 88'
DENSE SAND	8'-0"	8-#6 x 7'-0"	#4 x 78'
ROCK OR SOLIDIFIED SLAG	5'-0"	NONE	NONE

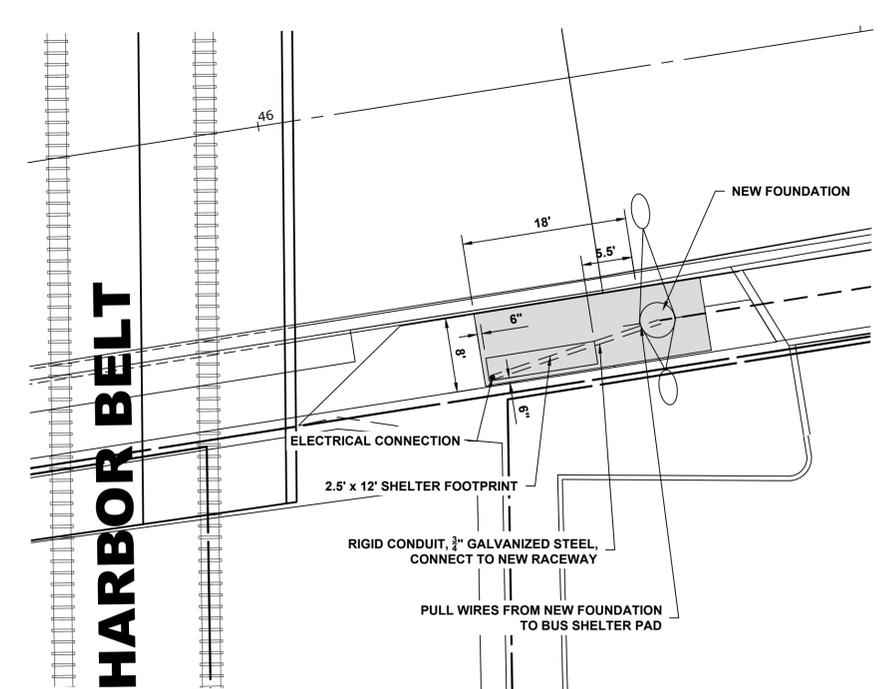
- ① 2-1/2" DIA. P.V.C. ELBOW RACEWAYS
- ② MANUFACTURER TO FURNISH TEMPLATE DRAWING FOR SETTING OF ANCHOR BOLTS
- ③ 1" CHAMFER
- ④ 1"-8NC GALV. STL. ANCHOR BOLTS, AASHTO M314-90 GRADE 55, 10" OF THREADED END GALV PER ASTM A153
- ④ 1"-8NC GALV STL. HEX. NUTS
- ④ 1" GALV. STL. LOCK WASHERS
- ④ 1" GALV. STL. FLAT WASHERS
- ⑤ 5/8" x 10' GROUND ROD CONNECTED TO GROUND WIRE WITH EXOTHERMIC WELD AT LOCATIONS NOTED ON PLAN SHEETS (INCLUDED IN COST OF FOUNDATION)
- ⑥ 8-#6 REINFORCING BARS EQUALLY SPACED AROUND AN 18" DIA. CIRCLE, FOR SIZE, SEE FOUNDATION DESIGN CHART
- ⑦ #4 SPIRAL TIE BARS WITH 6" PITCH
- ⑧ CLASS SI CONCRETE
- ⑨ FOUNDATION LOCATIONS AS SHOWN ON PLAN SHEETS
- ⑩ FLEXIBLE DUET UL LISTED FITTING TO UNIT DUCT



**BUS SHELTER 1 DETAIL**  
(SCALE: 1" = 10')



**BUS SHELTER 2 DETAIL**  
(SCALE: 1" = 10')



**BUS SHELTER 3 DETAIL**  
(SCALE: 1" = 10')

**HARBOR BELT**

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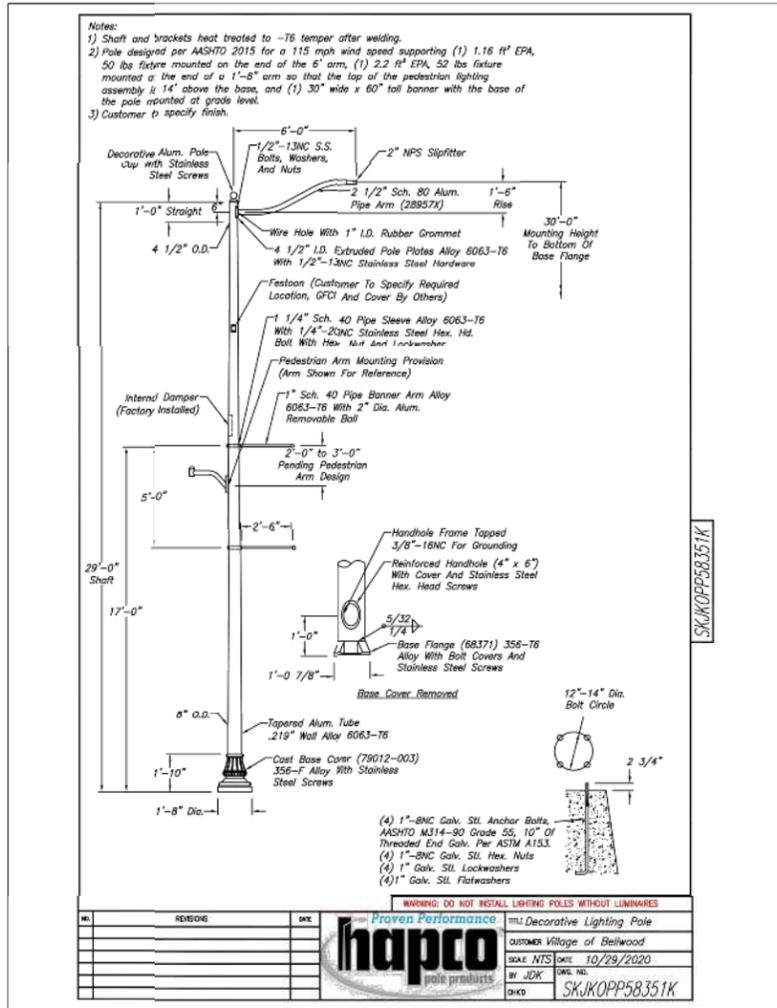
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DATE - 2-10-21	REVISED -

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

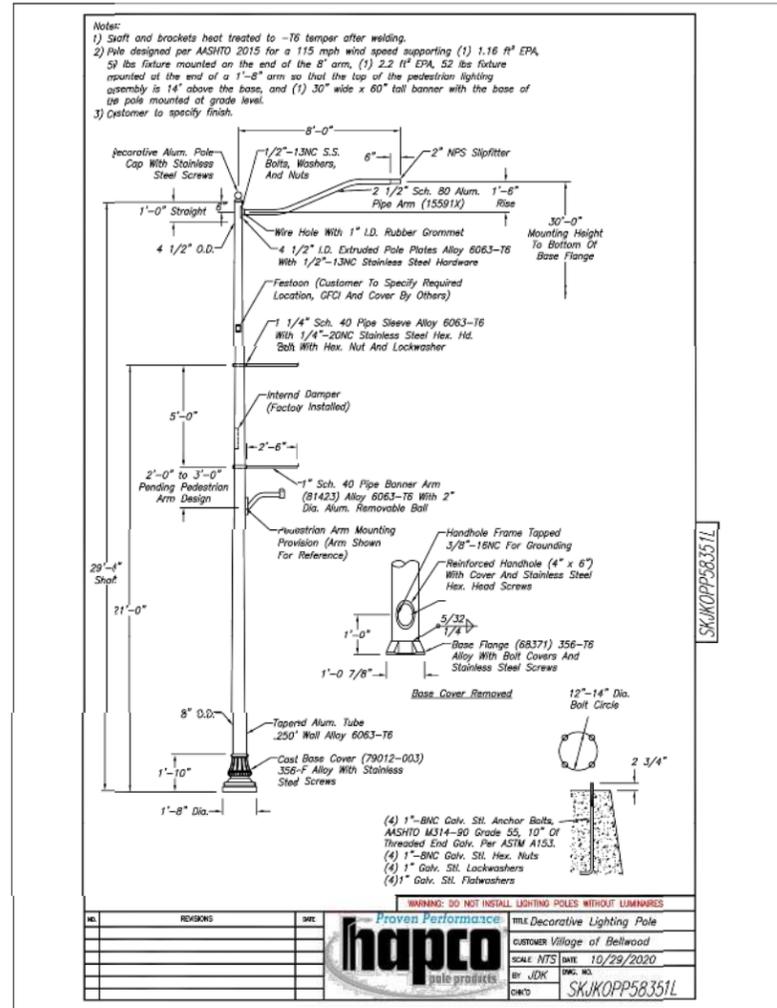
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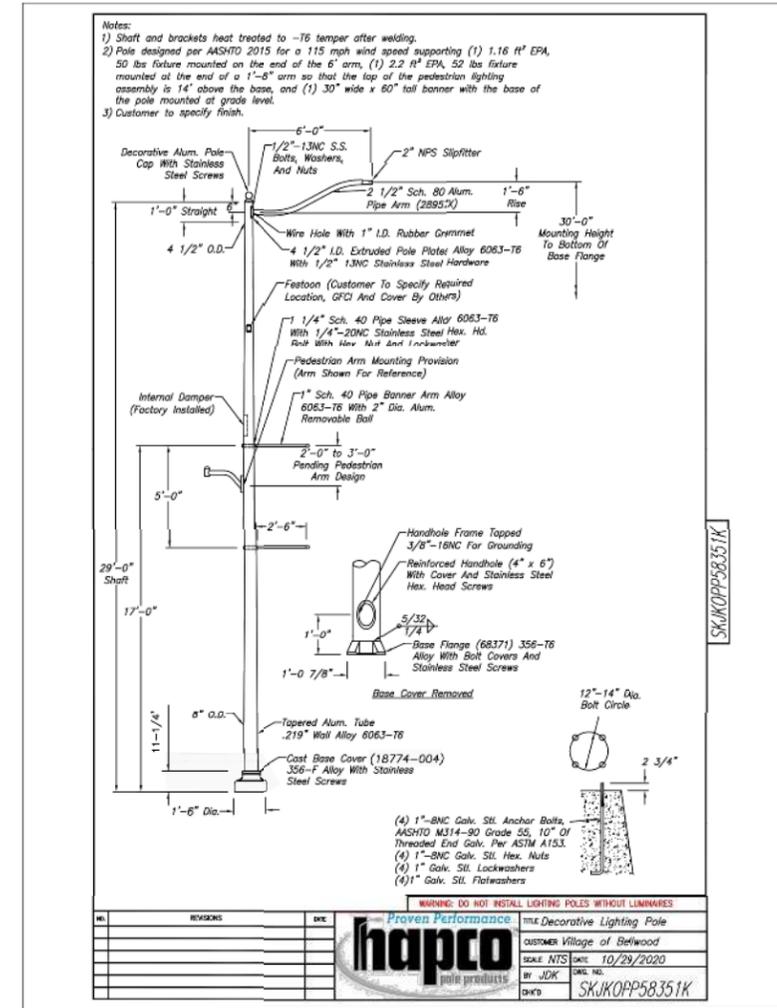
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	18-00146-00-LS	COOK	36	29
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 61H06	
FED. AID PROJECT			E.H.E. PROJECT NO. 080-20-13601	



STREET LIGHTING ASSEMBLY TYPE F1



STREET LIGHTING ASSEMBLY TYPE F2



STREET LIGHTING ASSEMBLY TYPE F3

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**STATE OF ILLINOIS  
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**DETAILS**

SCALE: NONE SHEET NO. 4 OF 5 SHEETS STA. - TO STA. -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	18-00146-00-LS	COOK	36	30
CONTRACT NO. 61H06				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

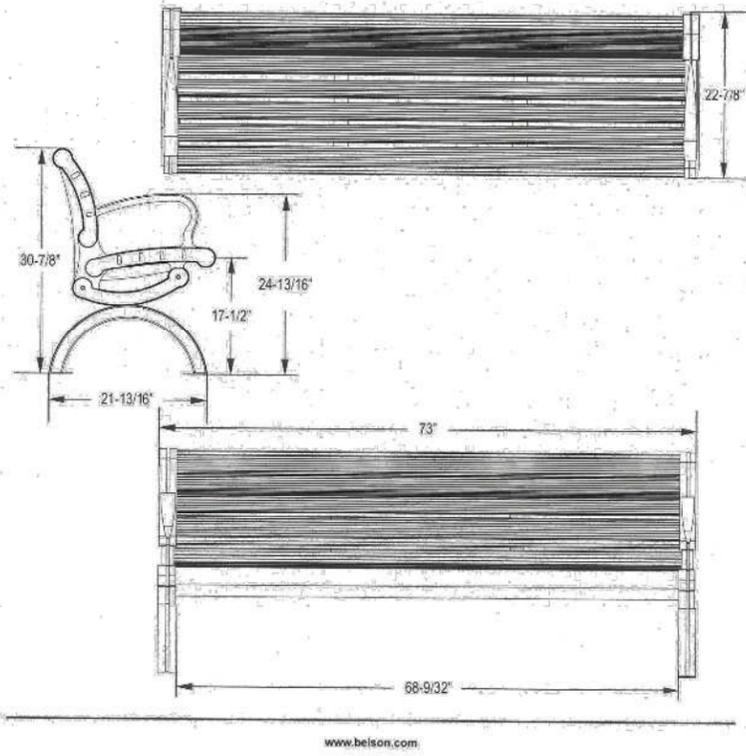


627 Amersale Drive  
Naperville, IL 60563  
Phone: (800) 323-5664  
Fax: (630) 897-0573  
sales@belson.com

Model # CBPB-6A1B-BK

Dimension Sheet

6' Black Powder-Coated Bench with Back

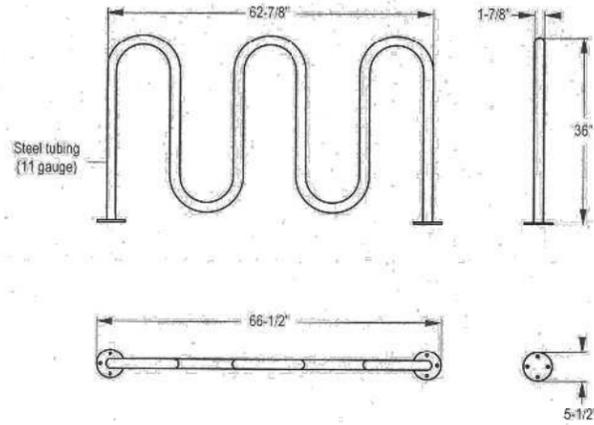


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Fax: (630) 897-0573  
sales@belson.com

Model # CBBR-7UR-BK

Dimension Sheet

7 Bike Wave Bike Rack, Powder-Coated Black, Surface Mount



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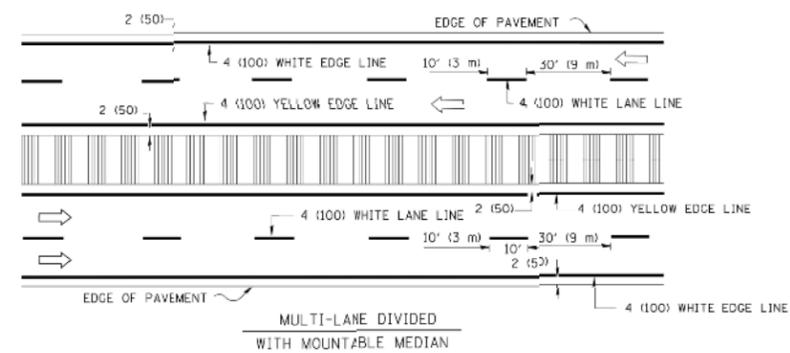
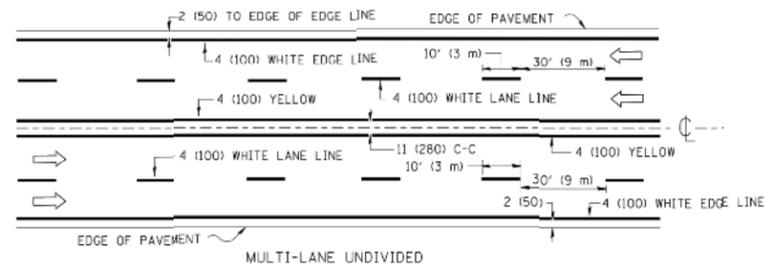
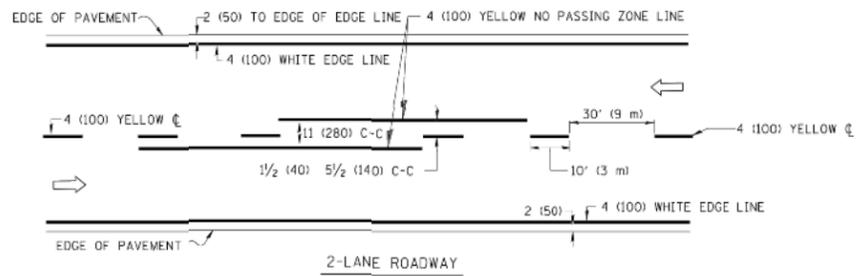
**DETAILS**

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61H06				
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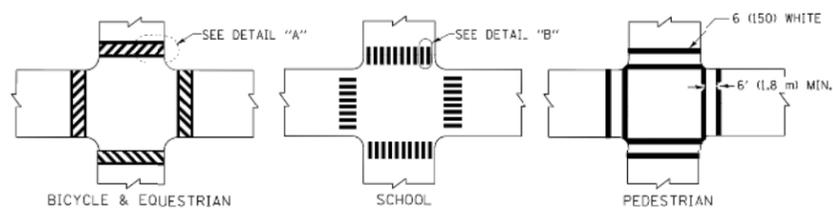
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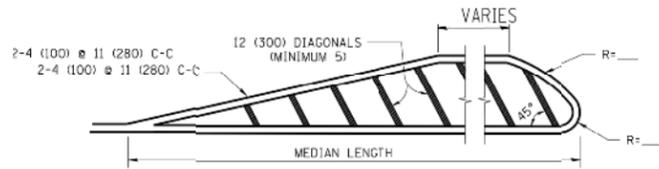
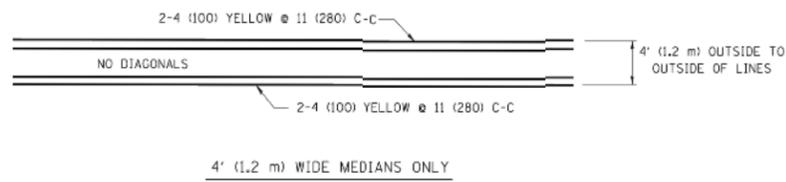


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

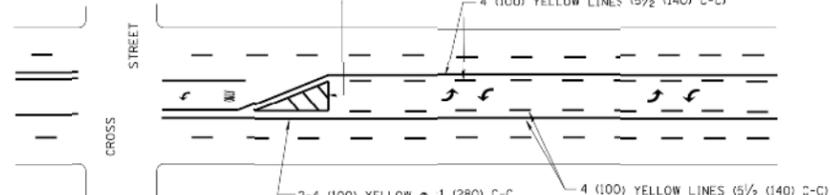


TYPICAL CROSSWALK MARKING

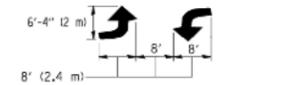


FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.  
 DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))  
 75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)  
 150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

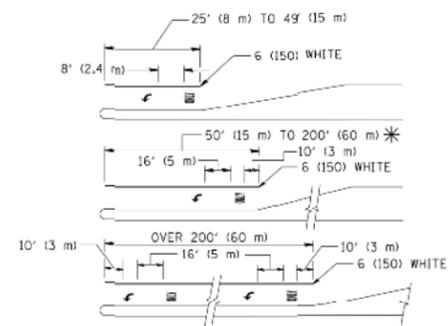
MEDIANS OVER 4' (1.2 m) WIDE



A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



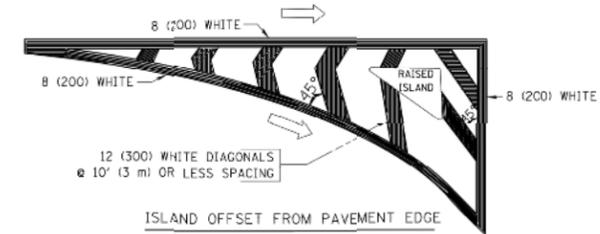
TYPICAL PAINTED MEDIAN MARKING



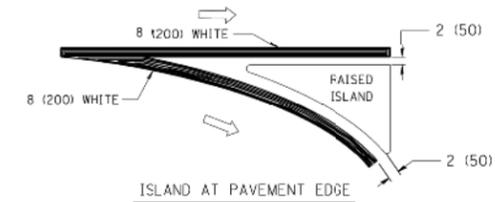
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
 AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)  
 \* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 78001 AREA OF: "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

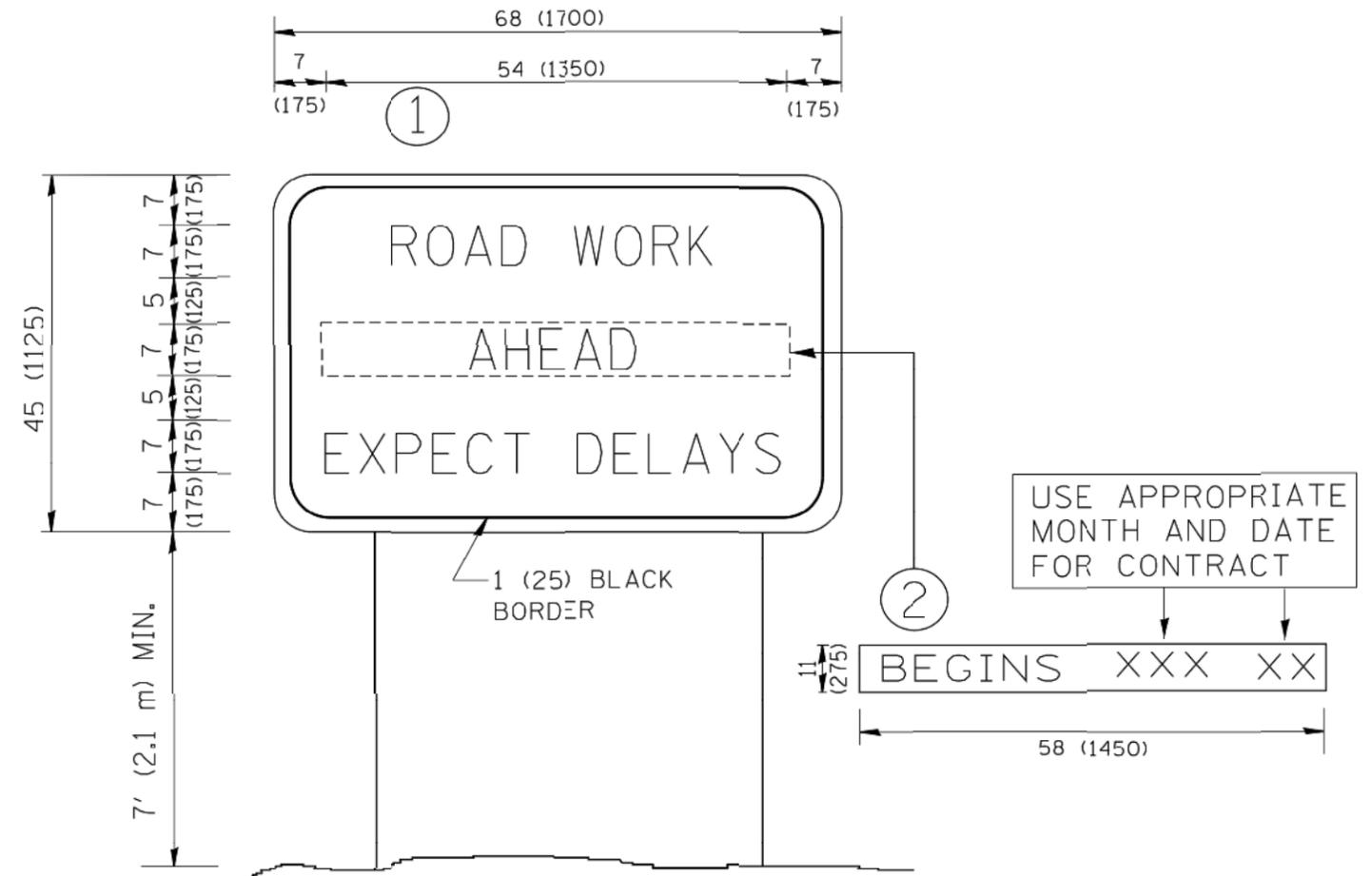
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PLOT SCALE = 50,000' / IN.		CHECKED -	REVISED -
PLOT DATE = 9/9/2009		DATE - 03-19-90	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE  
TYPICAL PAVEMENT MARKINGS

SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				-	18-00146-00-LS	COOK	36	33
				TC-13			CONTRACT NO. 61H06	
				FED. ROAD DIST. NO. 1	ILLINOIS		FED. AID PROJECT	



**NOTES:**

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

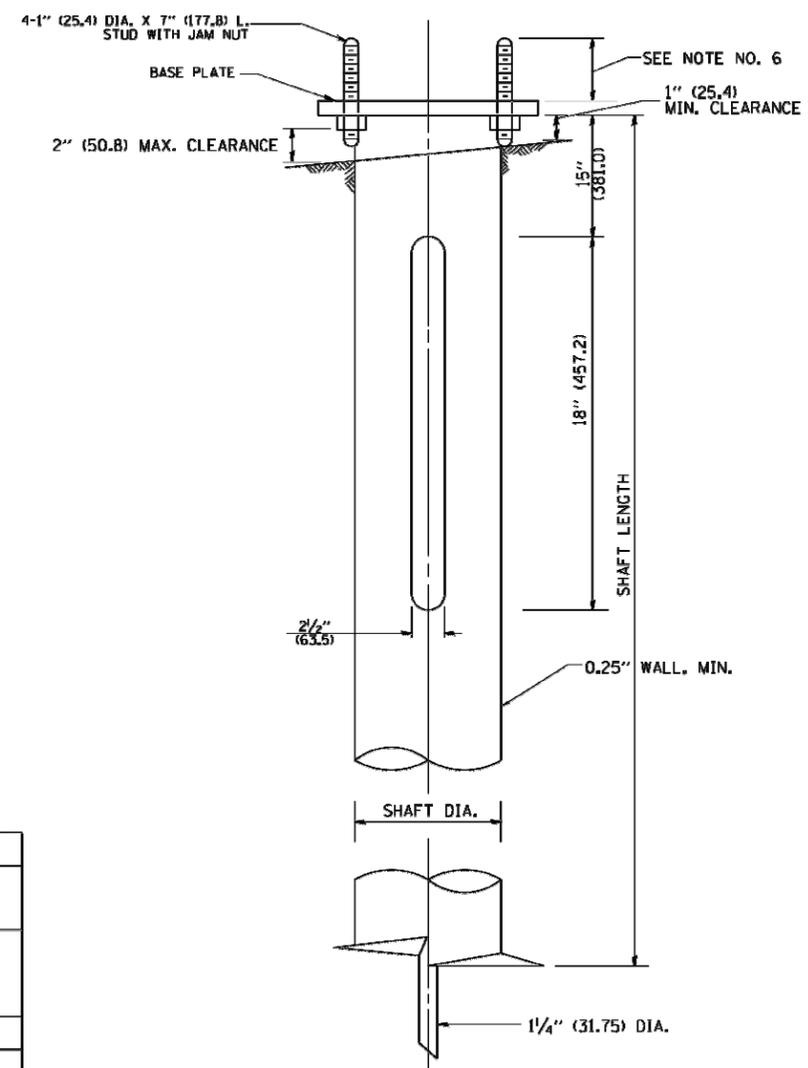
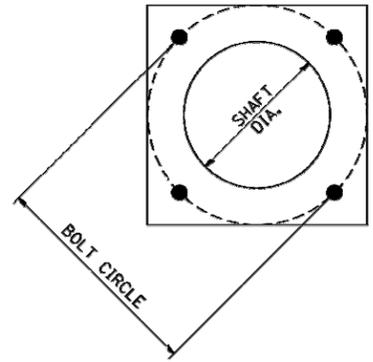
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PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07	REVISED - R. MIRS 12-11-97

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>ARTERIAL ROAD INFORMATION SIGN</b>	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	18-00146-00-LS	COOK	36	34
TC-22		CONTRACT NO. 61H06		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		



**HELIX FOUNDATION SIZE**

POLE MOUNTING HEIGHT	BOLT CIRCLE	SHAFT DIAMETER	SHAFT LENGTH	BASEPLATE
30 FT.	11 1/2"	8 5/8"	6 FT.	12"x12"x1"
31 FT.-35 FT.	11 1/2"	8 5/8"	6 FT.	12"x12"x1"
36 FT.-40 FT.	15"	8 5/8"	6 FT.	15"x15"x1 1/4"
41 FT.-45 FT.	15"	8 5/8"	6 FT.	15"x15"x1 1/4"
46 FT.-50 FT.	15"	10"	8 FT.	15"x15"x1 1/4"

**METAL HELIX FOUNDATION MATERIALS**

ITEM	MATERIAL REQUIREMENT
BASEPLATE	AASHTO M 270M, GRADE 36 (M270M, GRADE 250)
SHAFT	ASTM A 252, GRADE 2 (PHOSPHOROUS 0.04% MAXIMUM, SULFUR 0.05% MAXIMUM)
HELIX SCREW	AASHTO M 183 (ASTM A 635)
PILOT POINT	AASHTO M 270 (ASTM A 575)
ANCHOR RODS/STUDS	AASHTO M 314 (ASTM F 1554)
HEXAGON NUTS	AASHTO M 291M (ASTM A 563) GRADE DH, OR AASHTO M 292 (ASTM A 194) GRADE 2H
WASHERS	AASHTO M 293 (ASTM F 436)

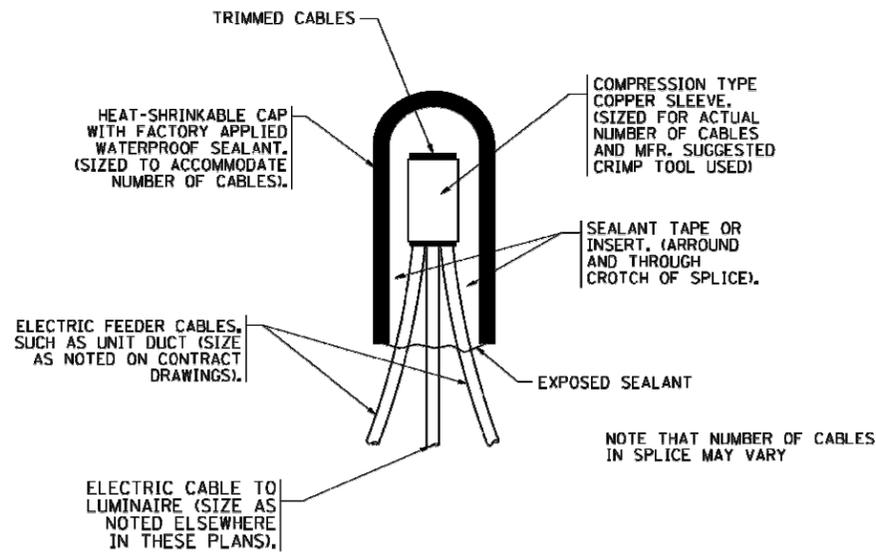
**NOTES:**

1. ALL DIMENSION IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. ALL MATERIAL SHALL BE GALVINIZED ACCORDING TO AASHTO M111, UNLESS OTHERWISE SPECIFIED.
3. ALL WELDS SHALL BE CONTINUOUS AND NOT LESS THAN 1/4" (6.35 mm) FILLET WELDS. THE WELDED FOUNDATION SHALL BE CAPABLE OF WITHSTANDING 10,000 FT/LBS (13558.18 n.m) OF INSTALLATION TORQUE APPLIED ABOUT THE AXIS OF THE FOUNDATION.
4. THE HELIX FOUNDATION SHAFT SHALL BE INSTALLED VERTICAL AND THE BASE PLATE SHALL BE IN LEVEL. THE BREAKAWAY COUPLINGS AND HARDWARE SHALL NOT BE USED TO ALIGN THE POLE INSTALLATION.
5. THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE INSTALLATION OF THE LIGHT POLE.
6. THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF THE BASE PLATE WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS.
7. ANY VOIDS WITHIN THE METAL FOUNDATION SHALL BE FILLED WITH FINE AGGREGATE.
8. METAL FOUNDATIONS SHALL BE INSTALLED IN UNDISTURBED SOIL. PREDRILLING A PILOT HOLE AND/OR BACKFILLING AROUND THE FOUNDATION IS NOT ALLOWED.
9. THE METAL FOUNDATION SHALL NOT BE INSTALLED TO A TORQUE WHICH EXCEEDS THE MANUFACTURER'S MAXIMUM TORQUE RATING NOR SHALL IT BE INSTALLED TO AN INSTALLATION TORQUE VALUE OF LESS THAN 3,500 FT LB (4,750 KNM). METAL FOUNDATIONS THAT ARE NOT INSTALLED TO FULL INSTALLATION DEPTH OR DO NOT ACHIEVE THE MINIMUM INSTALLATION TORQUE SHALL BE REMOVED AND REPLACED WITH A CONCRETE FOUNDATION AT NO ADDITIONAL COST.
10. THE BASEPLATE SHALL BE PERPENDICULAR TO THE SHAFT AXIS ( $\pm 1^\circ$ ) AND THE HOLE CENTERLINE SHALL BE CONCENTRIC ( $\pm 0.188$ ) TO THE SHAFT AXIS.
11. THE PILOT POINT AND SHAFT AXIS SHALL BE CONCENTRIC ( $\pm 0.125$ ) AND IN LINE ( $\pm 2^\circ$ ).
12. THE BASEPLATE SHALL BE STAMPED WITH THE MANUFACTURERS NAME AND DATE OF MANUFACTURE.

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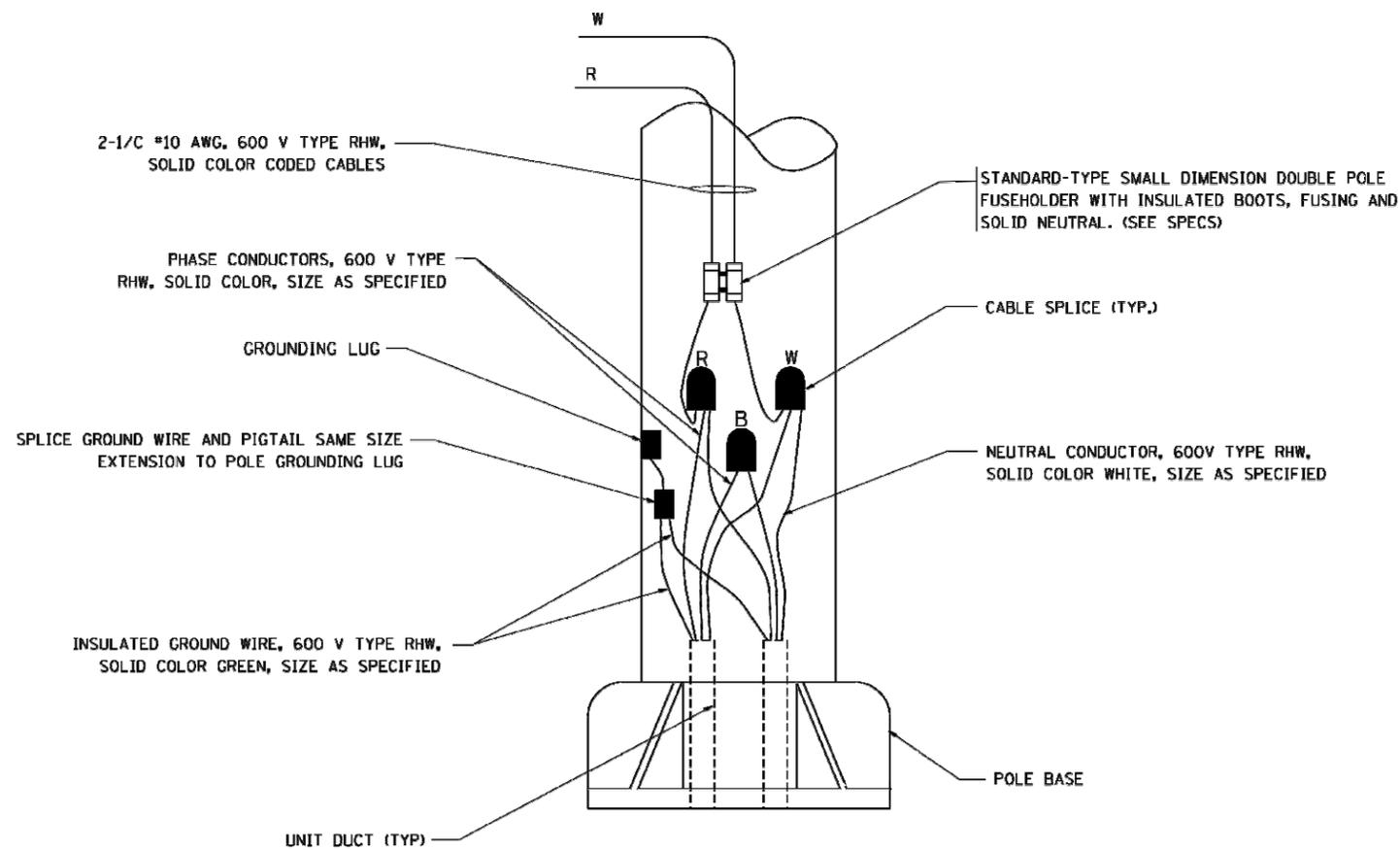
E.H.E. PROJECT NO. 080-20-13601

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PL01 SCALE = 1/4" = 1'-0"	PL01 DATE = 1/4/2008	CHECKED - DATE - 02-27-07	REVISED - REVISED -	SCALE: NONE    SHEET NO. 1 OF 1 SHEETS    STA.    TO STA.		<b>BE-305</b>		CONTRACT NO. 61H06		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT



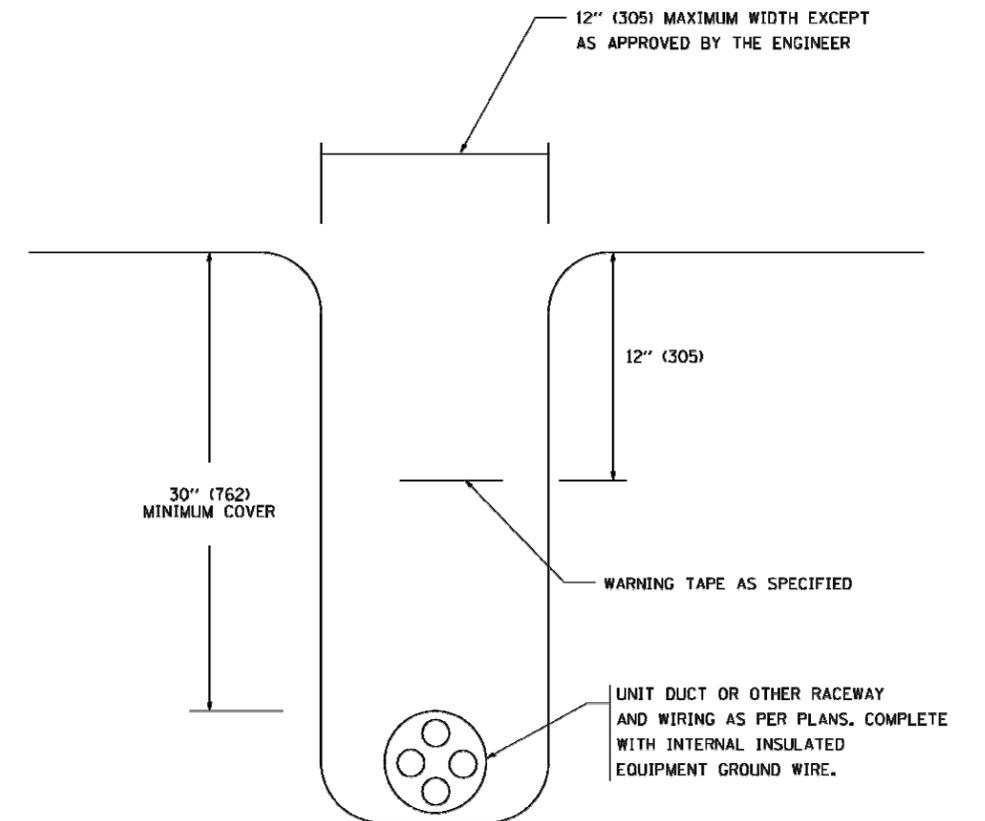
TYPICAL SPLICE DETAIL

N.T.S.



POLE WIRING DETAIL

N.T.S.



TYPICAL WIRING IN TRENCH DETAIL

N.T.S.

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 PLOT DATE = 1/4/2009

DESIGNED -	REVISED - 08-08-03
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

MISC. ELECTRICAL DETAILS  
 SHEET A

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

MUN. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	18-00146-00-LS	COOK	36	36
BE-702		CONTRACT NO.	61H06	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

E.I.E. PROJECT NO. 080-20-13601