

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

09-22-2023 LETTING ITEM 009

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PLANS FOR PROPOSED FEDERAL AID HIGHWAY

**CONDE STREET IMPROVEMENT PROJECT
JOLIET STREET TO IL ROUTE 59
RESURFACING, CURB, SIDEWALK, LIGHTING**

**SECTION: 22-00087-00-RS
PROJECT: KWJF(379)
CITY OF WEST CHICAGO
DUPAGE COUNTY
JOB NO: C-91-101-23**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4080	22-00087-00-RS	DUPAGE	38	1
		ILLINOIS	CONTRACT NO. 61J75	



FUNCTIONAL CLASSIFICATION
URBAN MINOR COLLECTOR
2020 ADT = 2,400
P.V. = N.A S.U. = N.A M.U. = N.A
POSTED /DESIGN SPEED LIMIT = 25 /30 MPH

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED 14TH July 20 23
[Signature]
CITY OF WEST CHICAGO, ASST. DIRECTOR OF PUBLIC WORKS

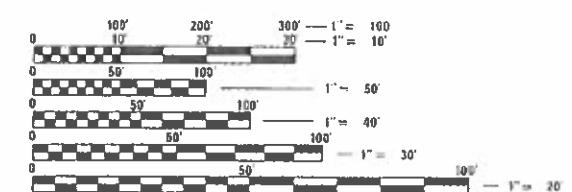
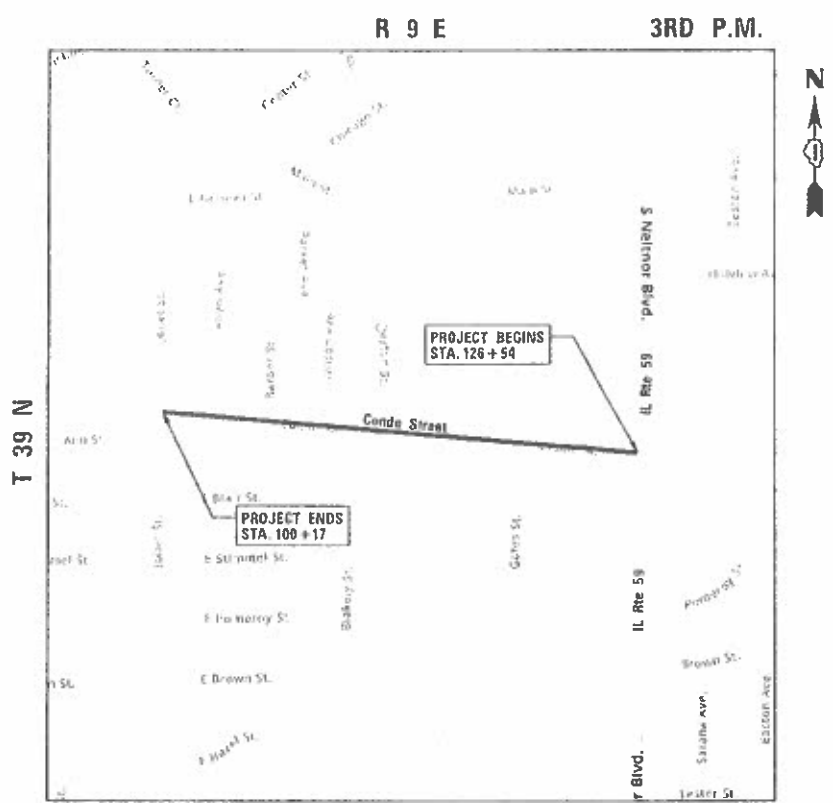
PASSED July 17 20 23
[Signature]
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
BASED ON LIMITED
REVIEW July 17 20 23
[Signature]
REGIONAL ENGINEER

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

thomas
engineering group
service of the highest grade

thomas engineering group, llc
2625 butterfield road
suite 209w
oak brook, il 60523
phone: 855-533-1700



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



**PROJECT MANAGER: KEVIN VANDEWOESTYNE
CONTRACT NO. 61J75**

CONDE STREET GROSSNET LENGTH = 2,636 FT. = 0.50 MILE



[Signature]
KEVIN C. VANDEWOESTYNE, P.E.
NO. 062-061311
EXP. DATE 11-30-2023

PROGRAM AND OFFICE ENGINEER: CARMEN E. RAMOS, P.E., SCHAUMBURG, IL

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LIST OF STATE STANDARDS

- 000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 442201-03 CLASS C AND D PATCHES
- 606001-08 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 701006-05 OFF RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24'(600mm) FROM PAVEMENT EDGE
- 701011-04 OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
- 701301-04 LANE CLOSURE, 2L, 2W SHORT TIME OPERATIONS
- 701311-03 LANE CLOSURE, 2L, 2W MOVING OPERATIONS- DAY ONLY
- 701501-06 URBAN LANE CLOSURE, 2L, 2W UNDIVIDED
- 701602-10 URBAN LANE CLOSURE, MULTILINE, 2W WITH BI-DIRECTIONAL LEFT TURN LANE
- 701801-06 SIDEWALK, CORNER OR CROSSWALK CLOSURE
- 701901-08 TRAFFIC CONTROL DEVICES
- 780001-05 TYPICAL PAVEMENT MARKINGS

GENERAL NOTES:

1. ALL IMPROVEMENTS SHALL BE IN ACCORDANCE WITH IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION JANUARY 1, 2022 AND THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JANUARY 1, 2023. ANY REFERENCE TO STANDARDS IN THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED TO BE LATEST STANDARDS OF IDOT.
2. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED)
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER.
4. THE CONTRACTOR SHALL COOPERATE WITH THE CITY OF WEST CHICAGO IF ANY MUNICIPAL, UTILITY IMPROVEMENTS ARE REQUIRED WITHIN THE DURATION OF THE CONTRACT.
5. QUANTITIES FOR MIXTURE FOR CRACKS, JOINTS, AND FLANGWAYS HAVE BEEN PROVIDED. AFTER THE HMA SURFACE REMOVAL OPERATIONS ARE COMPLETE ALL OPEN CRACKS AND OPEN EXPANSION JOINTS HAVING A WIDTH OF 1/2 IN. OR MORE SHALL BE CLEANED AND FILLED WILL BE APPLIED ACCORDING TO ARTICLE 406. THE ACTUAL NEED FOR THESE ITEMS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER. IF CRACK FILLING IS NOT REQUIRED THE QUANTITIES WILL BE DEDUCTED PER THE TERMS OF ARTICLE 104.02.
6. QUANTITIES FOR CLASS D PATCHES HAVE BEEN PROVIDED IN THE CONTRACT BASED ON FIELD OBSERVATION OF EXISTING CONDITIONS. LOCATIONS SHOWN IN THE PLANS MAY DIFFER AND WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. IF PAVEMENT PATCHING IS NOT REQUIRED THE QUANTITY WILL BE DEDUCTED PER THE TERMS OF ARTICLE 104.02.

7. THE CONTRACTOR SHALL MAINTAIN PROPER DRAINAGE AT ALL TIMES DURING THE COURSE OF CONSTRUCTION AND SHALL PREVENT STORM WATER FROM RUNNING INTO OR STANDING IN EXCAVATED AREAS.
8. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) IN ACCORDANCE WITH THE BUTT JOINT AND BITUMINOUS TAPER DETAILS SHEET INCLUDED IN THE PLANS (BD-32).
9. ALL PAVEMENTS, CURB AND GUTTER, SIDEWALKS, DRIVEWAYS TO BE REMOVED SHALL BE FULL DEPTH SAWCUT PRIOR TO REMOVAL TO PREVENT DAMAGE TO ITEMS TO REMAIN.
10. THE CONTRACTOR SHALL SET AND CHECK ALL CURB FORMS AND STRING LINES PRIOR TO PLACING CONCRETE TO ENSURE POSITIVE DRAINAGE ALONG THE ROADWAY. IMPROPERLY DRAINING CURB SHALL BE REMOVED AND REPLACED.
11. PARKWAY RESTORATION SHALL INCLUDE REPLACEMENT OF DAMAGED AND DESTROYED LANDSCAPE IN KIND OF THE EXISTING TURF ADJACENT TO EXISTING CURB AND GUTTER AND SIDEWALK WHERE THE CONTRACTOR'S EQUIPMENT HAS DESTROYED OR DAMAGED THE TURF. THE CONTRACTOR SHALL PREPARE THE GROUND ACCORDING TO SECTION 211 OF THE STANDARD SPECIFICATIONS. SALT TOLERANT SEED AND FERTILIZER SHALL BE PLACED ACCORDING TO SECTION 250 OF THE STANDARD SPECIFICATIONS.
12. ALL STREETS AND COMMERCIAL AND PARKING LOT ENTRANCES SHALL REMAIN OPEN DURING CONSTRUCTION. TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH IDOT STANDARDS 701301, 701801, AND 701901.
13. PAVEMENT PATCHING SHALL BE SCHEDULED IMMEDIATELY FOLLOWING PAVEMENT REMOVAL TO REDUCE DEGRADATION OF THE EXISTING BASE.
14. THE MAXIMUM ALLOWABLE LANE DROP DIFFERENTIAL WILL BE 1-1/2"
15. THE CONTRACTOR SHALL PLACE FINAL THERMOPLASTIC PAVEMENT MARKINGS A MAXIMUM OF THREE (3) DAYS AFTER PLACEMENT OF THE FINAL BITUMINOUS SURFACE COURSE.
16. PRIOR TO HMA RESURFACE REMOVAL, ALL OPEN DRAINAGE UTILITY STRUCTURES SHALL BE PROTECTED WITH FILTER BASKETS TO PREVENT ROADWAY DEBRIS FROM ENTERING UNDERGROUND UTILITIES. IF THE ENGINEER FINDS EVIDENCE OF CONSTRUCTION DEBRIS IN THE UTILITY STRUCTURES AFTER THE HMA SURFACE REMOVAL AND / OR AFTER THE BINDER COURSE AND SURFACE COURSE ARE COMPLETED, THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR REMOVING DEBRIS.
17. WORK SHALL BE CAREFULLY PLANNED BY THE CONTRACTOR TO REDUCE DISRUPTION TO RESIDENTS, THE BUSINESSES AND THE PUBLIC SEEKING TO ACCESS THE BUSINESSES. AT LEAST ONE LANE OF TRAFFIC MUST REMAIN OPEN AT ALL TIMES.
18. DURING AND AFTER CONSTRUCTION OPERATIONS, ANY LOOSE MATERIAL ON CITY ROADWAYS AS A RESULT OF CONTRACTOR OPERATIONS, INCLUDING BUT NOT LIMITED TO HMA SURFACE REMOVAL, BINDER COURSE AND SURFACE COURSE INSTALLATION, SHALL BE REMOVED AND DEPOSITED OFF SITE BY THE CLOSE OF EACH BUSINESS DAY. THIS APPLIES TO EXCESSIVE PRIMER LEFT ON CITY ROADWAYS.
19. THE THICKNESS OF HOT-MIX ASPHALT MIXTURES SHOWN IN THE PLANS ARE NOMINAL. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE SURFACES OR BASIS ON WHICH THEY ARE TO BE PLACED.
20. THE CONTRACTOR SHALL FURNISH WHITE, PINK, OR PURPLE MARKING PAINT IN AEROSOL CANS, FOR USE BY THE ENGINEER. THE CONTRACTOR AND SUBCONTRACTORS SHALL ONLY USE THESE SAME COLORS FOR THEIR OWN MARKINGS, THEREFORE, NOT USING J.U.L.I.E. UTILITY COLORS.
21. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY RESIDENTS, AT LEAST 24 HOURS IN ADVANCE IF ANY RESIDENTS OR BUSINESSES WILL HAVE NO OR LIMITED DRIVEWAY ACCESS DUE TO WORK PERFORMED BY THE CONTRACTOR.
22. CONTRACTOR IS TO PLAN HIS OR HER WORK SO THAT AT THE END OF EACH WORK DAY, THERE WILL BE NO OPEN HOLES IN THE PAVEMENT OR SIDEWALK AND THAT ALL BARRICADES WILL BE REMOVED FROM THE ROADWAY DURING NONWORKING HOURS, EXCEPT WHERE REQUIRED FOR PUBLIC SAFETY OR CURING OF CONCRETE.
23. ALL PROPOSED CONCRETE CURB AND GUTTER TYPES SHALL BE TIED IN TO THE EXISTING CURB AND GUTTER WITH EPOXY COATED DOWEL BARS.
24. AFTER SIDEWALK AND CURB AND GUTTER REPLACEMENT AND RESTORATION ACTIVITIES HAVE BEEN COMPLETED, THE CONTRACTOR SHALL REMOVE ALL LOOSE AND DEFECTIVE MATERIAL FROM THE SIDEWALK PAVEMENT, CURB AND GUTTER, AND PUBLIC RIGHT-OF-WAY TO THE SATISFACTION OF THE ENGINEER. THIS SHALL INCLUDE, BUT IS NOT LIMITED TO, BARRICADES, FORMS, GRAVEL, EXCESS TOP SOIL, EXCESS CONCRETE, ETC. AUXILIARY EQUIPMENT, SUCH AS BROOMS, SWEEPERS, SCRAPERS, ETC. SHALL BE PROVIDED AS NECESSARY TO PERFORM WORK.
25. THE CONTRACTOR SHALL GIVE NOTICES AND COMPLY WITH APPLICABLE LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ALL PUBLIC AUTHORITIES BEARING ON SAFETY OR PERSONS OR PROPERTY ON THEIR PROTECTION FROM DAMAGE, INJURY, OR LOSS.
26. WHERE SECTION OR SUBSECTION MONUMENTS OR PROPERTY IRONS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE THESE MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER, AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
27. ALL UTILITY TRENCHES UNDER AND WITHIN TWO FEET OF PAVEMENT, SIDEWALK, CURB AND GUTTER, ETC. SHALL BE BACKFILLED WITH CLEAN CA-6 CRUSHED STONE TRENCH BACKFILL.
28. NO EXTRA WORK OF ANY NATURE SHALL BE UNDERTAKEN WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE CITY OF WEST CHICAGO OR THEIR REPRESENTATIVES.
29. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL STAKING AND LAYOUT OF THE GRADING, UNDERGROUND, AND PAVING IMPROVEMENTS.
30. THE ENGINEER SHALL NOT HAVE THE AUTHORITY OVER, OR THE RESPONSIBILITY FOR, THE CONTRACTOR'S MEANS, METHODS, PROCEDURES OF CONSTRUCTION, JOB SITE SAFETY PROCEDURES AND PRECAUTIONS, OR FOR ANY FAILURE OF THE CONTRACTOR TO COMPLY WITH RULES, REGULATIONS, OR ORDINANCES APPLICABLE TO THE CONTRACTOR'S WORK AND ACTIVITIES.
31. ALL ROADSIDE OBJECTS (UTILITY POLES, FIRE HYDRANTS, SIGNS, ETC.) SHALL BE RELOCATED TO PROVIDE A MINIMUM OF 2 FEET CLEARANCE, MEASURED FROM THE BACK OF CURB TO THE NEAR EDGE OF THE OBJECT. THOSE FACILITIES THAT HAVE BEEN IDENTIFIED AS REQUIRING ADJUSTMENT OR RELOCATION ARE INDICATED ON THE PLANS.



USER NAME = MJS	DESIGNED - _____	REVISED _____
	DRAWN - _____	REVISED - _____
PLOT SCALE = FULL SIZE	CHECKED - _____	REVISED - _____
PLOT DATE = 5/8/2023	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES

SCALE: SHEET ____ OF ____ SHEETS STA. _____ TO STA. _____

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4080	22-00087-00-R5		38	2
CONTRACT NO. 61J75			ILLINOIS FED. AID PROJECT	

32. THE CONTRACTOR IS REQUIRED TO RELOCATE, SALVAGE, AND RE-ERECT SIGNS WHICH INTERFERE WITH HIS CONSTRUCTION OPERATIONS, AND TEMPORARILY RESET ALL SUCH SIGNS DURING CONSTRUCTION. ALL WORK INVOLVING SIGNS SHALL BE GOVERNED BY THE FOLLOWING REQUIREMENTS:
- A. SIGNS SHALL NOT BE MOVED UNTIL PROGRESS OF WORK NECESSITATES IT.
 - B. EVERY SIGN REMOVED MUST BE RE-ERECTED AT A TEMPORARY LOCATION IN A WORKMANLIKE MANNER AND BE VISIBLE TO TRAFFIC FOR WHICH IT IS INTENDED. ALL SUCH SIGNS MUST BE MAINTAINED STRAIGHT AND CLEAN FOR THE DURATION OF THE TEMPORARY SETTING.
 - C. ALL SIGNS SHALL BE RE-ERECTED IN PERMANENT LOCATIONS AS THE ROADWAY IS COMPLETED AT LOCATIONS DESIGNATED BY THE ENGINEER.
33. THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR, AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
34. CONTRACTOR SHALL TAKE PRECAUTION BY PRESERVING EXISTING TREES WITHIN THE RIGHT OF WAY. IF ANY DAMAGE OCCURS, TREES SHALL BE REPLACED IN KIND PER ARTICLE 201.07. REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL REQUIREMENTS STATED HEREIN.
35. THE "ROAD CONSTRUCTION AHEAD" SIGNS SHALL REMAIN INSTALLED UNTIL THE COMPLETION OF THE PROJECT OR WHEN NO ROADWAY HAZARDS REMAIN WITHIN THE WORK ZONE
36. A NOMINAL QUANTITY HAS BEEN INCLUDED FOR THE FOLLOWING PAY ITEMS:
- REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
 - EXPLORATION TRENCH 48" DEPTH
 - SUPPLEMENTAL WATERING
 - TEMPORARY EROSION CONTROL SEEDING
 - MIXTURE FOR CRACKS, JOINTS, AND FLANGWAYS
 - CLASS D PATCHES
 - NON-SPECIAL WASTE DISPOSAL
 - SPECIAL WASTE DISPOSAL
 - HAZARDOUS WASTE DISPOSAL
 - SOIL DISPOSAL ANALYSIS
 - CONCRETE CURB, TYPE B (SPECIAL)

EARTH EXCAVATION:

37. PAVEMENT REMOVAL INCLUDES THE EXISTING PAVEMENT, AGGREGATE SUBBASE, AND SUBGRADE TO THE PROPOSED SUBGRADE ELEVATIONS SHOWN IN THE PLANS.
38. WHERE WORKING CONDITIONS AND RIGHT-OF-WAY PERMIT, PIPE LINE TRENCHES WITH SLOPING SIDES MAY BE USED.
- A. THE SLOPES SHALL NOT EXTEND BELOW THE TOP OF THE PIPE, AND TRENCH EXCAVATIONS BELOW THIS POINT SHALL BE MADE WITH VERTICAL SIDES WITH WIDTHS NOT EXCEEDING THOSE SPECIFIED HEREIN FOR THE VARIOUS SIZES OF PIPES.
 - B. OPEN-CUT TRENCHES SHALL BE SUPPORTED WITH PROTECTIVE MEASURES AS REQUIRED BY THE GOVERNING STATE AND FEDERAL LAWS AND MUNICIPAL ORDINANCES, AS MAY BE NECESSARY TO PROTECT LIFE, PROPERTY, OR THE WORK.
 - C. WHERE FIRM FOUNDATION IS NOT ENCOUNTERED AT THE GRADE ESTABLISHMENT DUE TO UNSUITABLE SOIL, ALL SUCH UNSUITABLE MATERIAL SHALL BE REMOVED AND REPLACED WITH APPROVED COMPACTED GRANULAR MATERIAL.
39. THE SUBGRADE SHALL BE FREE FROM UNSUITABLE MATERIAL AND SHALL BE COMPACTED TO A MINIMUM OF NINETY-FIVE PERCENT (95%) OF MODIFIED PROCTOR DENSITY. THIS REQUIREMENT APPLIES TO ALL SUBGRADES AND AGGREGATE BASE COURSES IN THE CONTRACT INCLUDING ROADWAY AND SIDEWALK PAVEMENTS. THE CITY OF WEST CHICAGO WILL REQUIRE A PROOF-ROLL TEST FOR DETERMINING THE STABILIZATION OF THE SUBGRADE.

ROADWAY:

40. THERE ARE MANHOLES AND VALVES LOCATED WITHIN THE PROJECT LIMITS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSPECT ALL EXISTING MANHOLE LIDS, TOGETHER WITH THE ENGINEER, PRIOR TO STARTING CONSTRUCTION AND A RECORD KEPT OF THEIR CONDITION. ALL DEBRIS WHICH ACCUMULATES ON THE LIDS AND IN THE MANHOLE PICK HOLES DURING THE TIME THE CONTRACT IS IN FORCE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.
41. THE SUBGRADE SHALL BE PROOF ROLLED USING EITHER A SINGLE DUMP TRUCK WITH TANDEM WHEELS WITH A MINIMUM GROSS WEIGHT OF 40 THOUSAND POUNDS OR A SEMI TRAILER DUMP TRUCK WITH TANDEM WHEELS WITH A MINIMUM GROSS WEIGHT OF 70 THOUSAND POUNDS. ANY AREAS FOUND TO BE UNSTABLE SHALL BE CORRECTED USING AN UNDERCUT DEPTH AS DIRECTED BY THE ENGINEER.

DRIVEWAYS AND ENTRANCES:

42. PRIVATE DRIVEWAYS AND ALLEYWAYS SHALL NOT BE CLOSED WITHOUT PRIOR CONSENT OF THE OWNER.

SIDEWALK:

43. AT ANY LOCATION WHERE THERE IS CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO SIDEWALK, THE NEW CURB SHALL BE DEPRESSED AND THE NEW SIDEWALK RAMPED TO PROVIDE ACCESSIBILITY. THIS WORK SHALL BE DONE AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH IDOT STANDARD 424001.
44. TYPE "A" SIDEWALK RAMPS FOR THE HANDICAPPED SHALL BE INSTALLED AT ALL INTERSECTING STREETS AND DETECTABLE WARNINGS SHALL BE PLACED IN SIDEWALK BEHIND DEPRESSED CONCRETE CURB AND GUTTER IN ACCORDANCE WITH IDOT STANDARD 424001, AND AS DIRECTED BY THE ENGINEER.

UTILITIES:

45. PROTECTION OF WATER MAIN AND WATER SERVICE LINES: WATER MAINS AND WATER SERVICE LINES SHALL BE PROTECTED FROM SANITARY SEWERS, STORM SEWERS, COMBINED SEWERS, HOUSE SEWER SERVICE CONNECTIONS, AND DRAINS AS FOLLOWS:
- A. HORIZONTAL SEPARATION - WATER MAINS AND SEWERS
 - (1) WATER MAINS SHALL BE LOCATED AT LEAST TEN (10) FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED DRAIN, STORM SEWER, SANITARY SEWER, COMBINED SEWER OR SEWER SERVICE CONNECTION.

- (2) WATER MAIN MAY BE LOCATED CLOSER THAN TEN (10) FEET TO A SEWER LINE WHEN:
 - (a) LOCAL CONDITIONS PREVENT A LATERAL SEPARATION OF TEN (10) FEET AND;
 - (b) THE WATER MAIN INVERT IS AT LEAST 18 INCHES ABOVE THE CROWN OF THE SEWER; AND
 - (c) THE WATER MAIN IS EITHER IN A SEPARATE TRENCH OR IN THE SAME TRENCH ON AN UNDISTURBED EARTH SHELF LOCATED TO ONE SIDE OF THE SEWER, MAINTAINING THE MINIMUM VERTICAL SEPARATION OF 18 INCHES.
 - (3) WHEN IT IS IMPOSSIBLE TO MEET EITHER (A.) OR (B.), BOTH THE WATER MAIN AND DRAIN OR SEWER SHALL BE CONSTRUCTED OF SLIP-ON OR MECHANICAL JOINT CAST OR DUCTILE IRON PIPE, OR PVC PIPE MEETING THE REQUIREMENTS OF WATER MAIN STANDARDS OF CONSTRUCTION. THE DRAIN OR SEWER SHALL BE PRESSURE TESTED TO THE MAXIMUM EXPECTED SURCHARGE HEAD BEFORE BACKFILLING.
- B. VERTICAL SEPARATION - WATER MAINS AND SEWERS
- (1) A WATER MAIN SHALL BE LAID SO THAT ITS INVERT IS A MINIMUM OF 18 INCHES ABOVE THE CROWN OF THE DRAIN OR SEWER WHENEVER WATER MAINS CROSS STORM SEWERS, SANITARY SEWERS OR SEWER SERVICE CONNECTIONS. THE VERTICAL SEPARATION SHALL BE MAINTAINED FOR THAT PORTION OF THE WATER MAIN LOCATED WITHIN TEN (10) FEET HORIZONTALLY OF ANY SEWER OR DRAIN CROSSING. A LENGTH OF WATER MAIN PIPE SHALL BE CENTERED OVER THE SEWER TO BE CROSSED WITH JOINTS EQUIDISTANT FROM THE SEWER OR DRAIN.
 - (2) BOTH THE WATER MAIN AND SEWER SHALL BE CONSTRUCTED OF SLIP-ON OR MECHANICAL JOINT CAST OR DUCTILE IRON PIPE, OR PVC PIPE MEETING THE REQUIREMENTS OF WATER MAIN STANDARDS OF CONSTRUCTION WHEN:
 - (a) IT IS IMPOSSIBLE TO OBTAIN THE PROPER VERTICAL SEPARATION AS DESCRIBED IN (A.); OR
 - (b) THE WATER MAIN PASSES UNDER A SEWER OR DRAIN
 - (3) A VERTICAL SEPARATION OF 18 INCHES BETWEEN THE INVERT OF THE SEWER OR DRAIN AND THE CROWN OF THE WATER MAIN SHALL BE MAINTAINED WHERE A WATER MAIN CROSSES UNDER A SEWER. SUPPORT THE SEWER OR DRAIN LINES TO PREVENT SETTLING AND BREAKING THE WATER MAIN, AS APPROVED BY THE ENGINEER.
 - (4) CONSTRUCTION OF WATER MAIN QUALITY PIPE SHALL EXTEND ON EACH SIDE OF THE CROSSING UNTIL THE PERPENDICULAR DISTANCE FROM THE WATER MAIN TO THE SEWER OR DRAIN LINE IS AT LEAST TEN (10) FEET.

46. THE LOCATIONS OF EXISTING DRAINAGE STRUCTURES, STORM AND SANITARY SEWERS, WATER AND SANITARY SERVICE LINES, AND OTHER UTILITY LINES ARE APPROXIMATE. THEIR EXACT HORIZONTAL AND VERTICAL LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR AT HIS OWN EXPENSE.
47. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL EXISTING FACILITIES SO THAT THE UTILITIES AND THEIR APPURTENANCES MAY BE LOCATED, ADJUSTED, OR MOVED. IF NECESSARY, PRIOR TO THE START OF CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED FOR IN THE STANDARD SPECIFICATIONS.
48. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER.
49. THE CONTRACTOR SHALL COOPERATE WITH THE CITY OF WEST CHICAGO IF ANY MUNICIPAL UTILITY IMPROVEMENTS ARE REQUIRED WITHIN THE DURATION OF THE CONTRACT.

EROSION CONTROL AND LANDSCAPE RESTORATION:

50. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROPERLY CONTROL EROSION ON THE JOBSITE THROUGH THE USE OF PERIMETER EROSION BARRIER (SILT FENCE), DITCH CHECKS, ETC. ALL CONDUITS, STRUCTURES, OR DITCHES SHALL BE CLEANED AND MAINTAINED BY THE CONTRACTOR UNTIL THE SODDING HAS TAKEN HOLD. ALL WASHOUTS, GULLIES, ETC. WILL BE REGRADED AND RESODDED BY THE CONTRACTOR.
51. THE CONTRACTOR'S RESPONSIBILITY FOR EROSION CONTROL SHALL EXTEND THROUGHOUT THE DURATION OF CONSTRUCTION PROCESSES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN-UP OF PAVED SURFACES WITHIN AND OUTSIDE OF THE PROJECT ON A TIMELY BASIS AND/OR AT THE DIRECTION OF THE CITY ENGINEER.
52. ALL AREAS TO BE RESTORED WITH LANDSCAPE RESTORATION, WHETHER INDICATED ON THE PLANS OR NOT, SHALL BE RESTORED WITH A MINIMUM OF 4" OF TOP SOIL AND SOD.



USER NAME = MJS	DESIGNED - _____	REVISED _____
	DRAWN - _____	REVISED - _____
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GENERAL NOTES

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4080	22-00087-00-R5	DuPAGE	38	3
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SUMMARY OF QUANTITIES

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CODE	ITEM	UNIT	TOTAL QUANTITY	STU 80/20 ROADWAY MAINT.	STU 80/20 SAFETY	STU (80/20) TRAINEES
NO.				0005	0021	0042
*	20101200	TREE ROOT PRUNING	EACH	4	4	
*	20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	2	2	
*	20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	2	2	
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	59	59	
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	370	370	
	21301048	EXPLORATION TRENCH 48" DEPTH	FOOT	50	50	
	25200110	SODDING, SALT TOLERANT	SQ YD	370	370	
	25200200	SUPPLEMENTAL WATERING	UNIT	15	15	
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	6	6	
	28000510	INLET FILTERS	EACH	24	24	
	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	59	59	
	31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	50	50	
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	4,823	4,823	
	40600370	LONGITUDINAL JOINT SEALANT	FOOT	2,637	2,637	
	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	30	30	
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	155	155	
	40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	400	400	
	40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	600	600	
	44201737	CLASS D PATCHES, TYPE I 8 INCH	SQ YD	89	89	

* SPECIALTY ITEM

thomas
 thomas engineering group, llc
 762 shoreline drive
 suite 200
 aurora, illinois 60504
 phone: 855-533-1700

USER NAME = MJS	DESIGNED - _____	REVISED _____
PLLOT SCALE = FULL SIZE	DRAWN - _____	REVISED - _____
PLLOT DATE = 5/8/2023	CHECKED - _____	REVISED - _____
	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4080	22-00087-00-RS	DuPAGE	38	4
CONTRACT NO. 61J75				

ILLINOIS FED. AID PROJECT

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES				CONSTRUCTION CODE		
CODE	ITEM	UNIT	TOTAL	STU 80/20 ROADWAY MAINT.	STU 80/20 SAFETY	STU (80/20) TRAINEES
NO.	ITEM	QUANTITY	QUANTITY	0005	0021	0042
44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD	89	89		
44201745	CLASS D PATCHES, TYPE III, 8 INCH	SQ YD	89	89		
44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SQ YD	89	89		
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	12	12		
60404400	FRAMES AND GRATES, TYPE 4	EACH	3	3		
60404600	FRAMES AND GRATES, TYP 9	EACH	1	1		
60404800	FRAMES AND GRATES, TYPE 11	EACH	6	6		
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	1	1		
60406001	FRAMES AND LIDS, TYPE 1, ADA COMPLIANT, OPEN LID	EACH	1	1		
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	33	33		
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	25	25		
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	5	5		
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1		
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1		
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	2	2		
67100100	MOBILIZATION	L SUM	1	1		
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1		
70102632	TRAFFIC COTNROL AND PROTECTION, STANDARD 701602	L SUM	1	1		

* SPECIALTY ITEM

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES				CONSTRUCTION CODE		
CODE	ITEM	UNIT	TOTAL	STU 80/20	STU 80/20	STU (80/20)
NO.				ROADWAY MAINT.	SAFETY	TRAINEES
			QUANTITY	0005	0021	0042
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1		
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	30	30		
70300100	SHORT TERM PAVEMENT MARKING	FOOT	309		309	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	103		103	
72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	1	1		
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	631		631	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	199		199	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	103		103	
* 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1		1	
* 80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1		1	
* 81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2-1/2" DIA.	FOOT	479		479	
* 81603096	UNIT DUCT, 600V, 4-1C NO. 8, 1/C NO. 8 GROUND, (XLP-TYPE USE), 1 1/4" DIA, POLYETHYLENE	FOOT	2,772		2,772	
* 83600350	LIGHT POLE FOUNDATION, METAL, 11" BOLT CIRCLE, 8" X 6"	EACH	14		14	
X0326144	TACTILE/DETECTABLE WARNING SURFACE	SQ FT	177		177	
X0327611	REMOVE AND REINSTALL BRICK PAVER	SQ FT	45	45		
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	11	11		
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	1	1		
X4230710	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH, SPECIAL	SQ YD	6	6		

* SPECIALTY ITEM



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	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

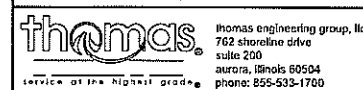
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FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4080	22-00087-00-RS	DUPAGE	38	6
CONTRACT NO. 61J75				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES				CONSTRUCTION CODE		
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	STU 80/20 ROADWAY MAINT.	STU 80/20 SAFETY	STU (80/20) TRAINEES
				0005	0021	0042
X4240430	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SQ FT	1,424		1,424	
X4400500	COMBINATION CURB AND GUTTER REMOVAL (SPECIAL)	FOOT	706	706		
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	7,145	7,145		
X4404700	SIDEWALK REMOVAL (SPECIAL)	SQ FT	1,444		1,444	
X5012502	CONCRETE REMOVAL (SPECIAL)	CU YD	1	1		
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	34	34		
X6060052	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (SPECIAL)	FOOT	49	49		
X6061005	CONCRETE CURB, TYPE B (SPECIAL)	FOOT	10	10		
X6064200	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)	FOOT	657	657		
* X8250505	LIGHTING CONTROLLER, SPECIAL	EACH	1		1	
* XX004618	SINGLE STREET LIGHT AND POLE	EACH	14		14	
Z0004530	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"	SQ YD	20	20		
Z0004538	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"	SQ YD	24	24		
Z0004544	HOT-MIX ASPHALT DRIVEWAY PAVEMENT REMOVAL	SQ YD	51	51		
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1		
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	52	52		
Z0076600	TRAINEES	HOUR	500			500
Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500			500

* SPECIALTY ITEM



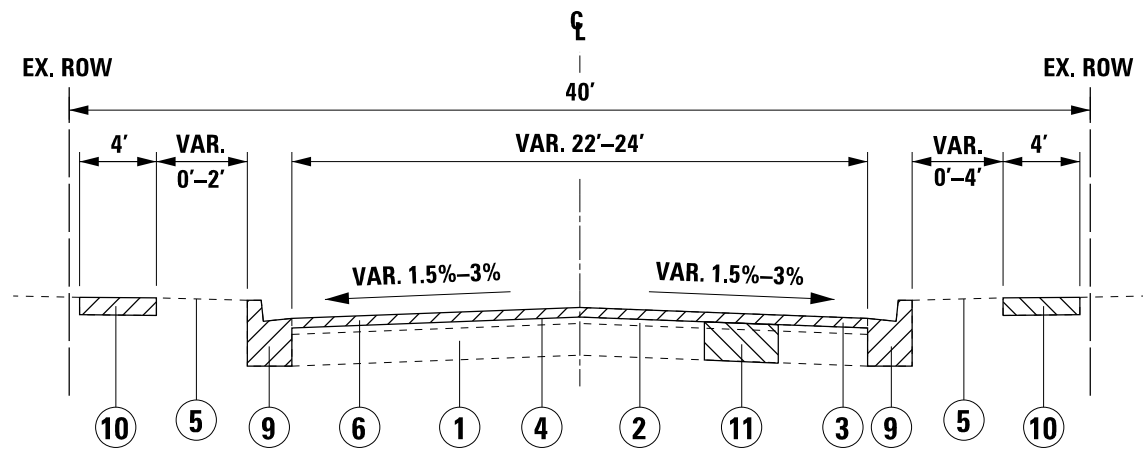
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PLOT SCALE = FULL SIZE	DRAWN - _____	REVISED - _____
PLOT DATE = 5/8/2023	CHECKED - _____	REVISED - _____
	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

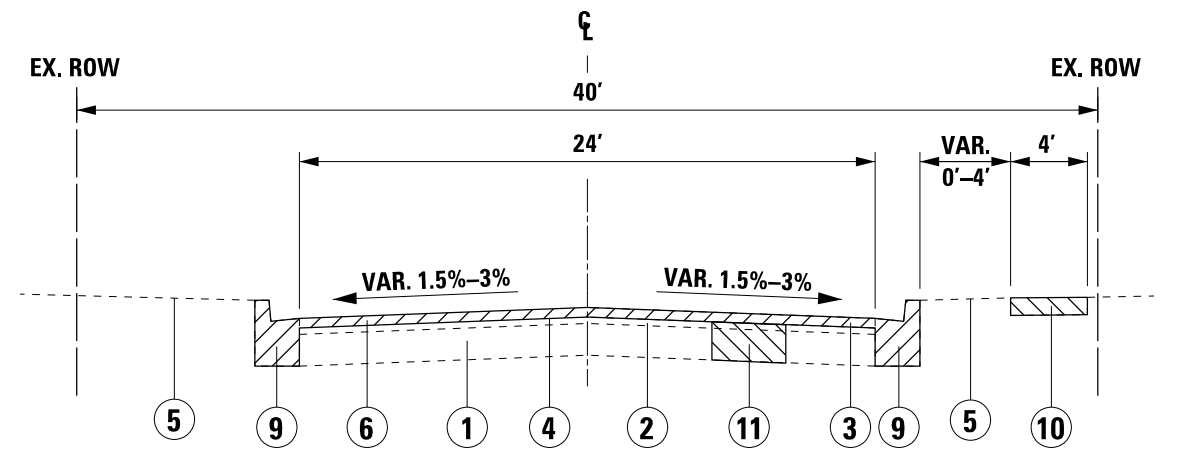
SUMMARY OF QUANTITIES

SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____

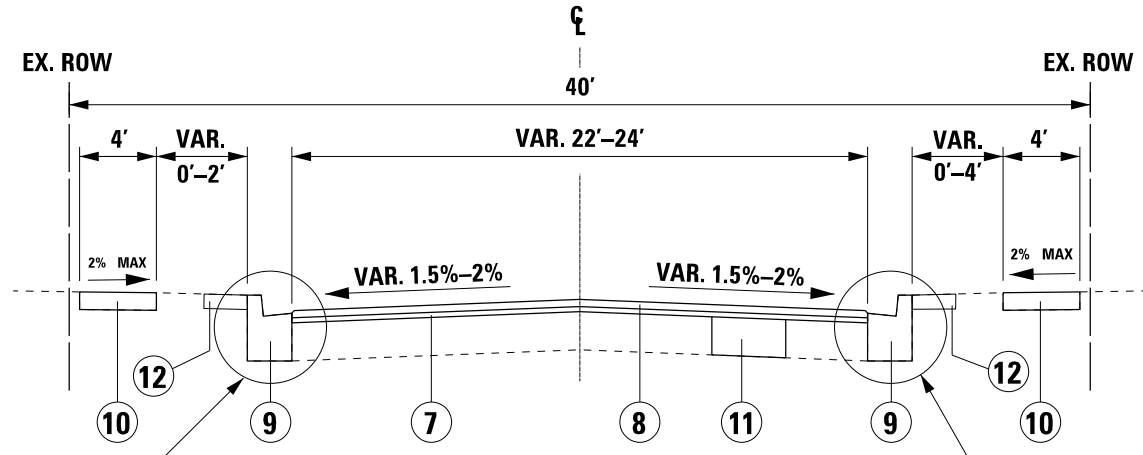
FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4080	22-00087-00-RS	DuPAGE	38	7
CONTRACT NO. 61J75				
ILLINOIS FED. AID PROJECT				



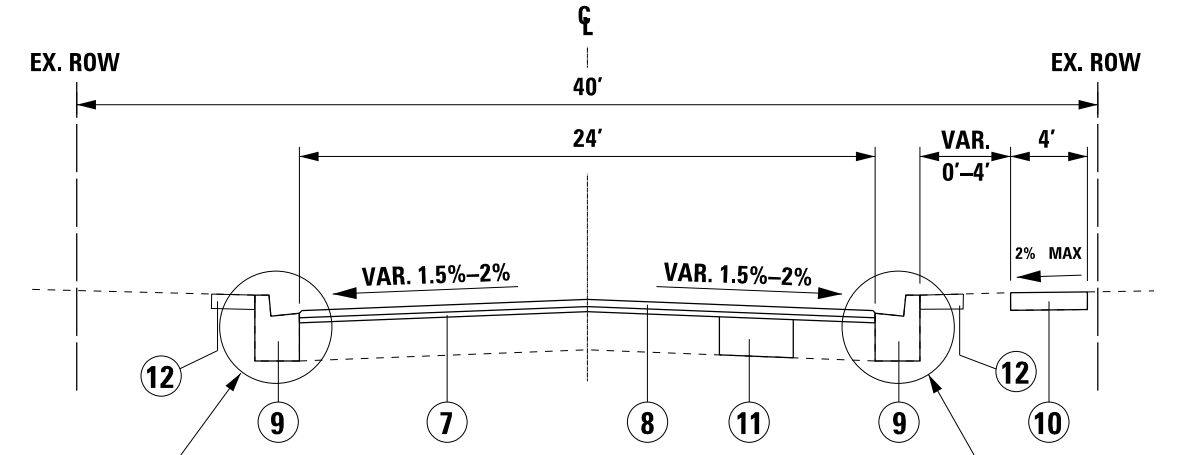
EXISTING TYPICAL SECTIONS
CONDE STREET
STA. 100+17 TO STA. 116+27



EXISTING TYPICAL SECTIONS
CONDE STREET
STA. 116+27 TO STA. 126+54



PROPOSED TYPICAL SECTIONS
CONDE STREET
STA. 100+17 TO STA. 116+27



PROPOSED TYPICAL SECTIONS
CONDE STREET
STA. 116+27 TO STA. 126+54

LEGEND
REMOVAL ITEMS

LEGEND

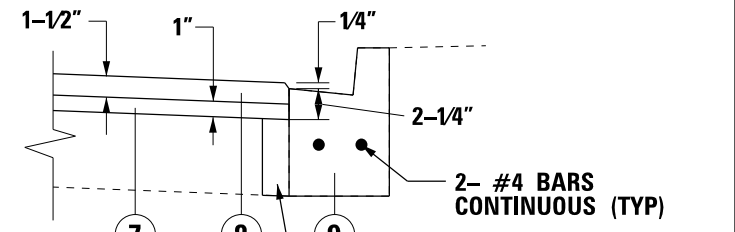
- ① EX. HMA BASE COURSE
- ② EX. HMA BINDER COURSE
- ③ EX. HMA SURFACE COURSE
- ④ EX. AREA REFLECTIVE CRACK CONTROL TREATMENT
- ⑤ EX. PARKWAY
- ⑥ HOT-MIX ASPHALT SURFACE COURSE REMOVAL, VARIABLE DEPTH (2.25"-3.5")
- ⑦ PR. POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, (1")
- ⑧ PR. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 (1-1/2")
- ⑨ PR. COMBINATION CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT (SEE NOTE 3 AND DETAIL B)
- ⑩ PR. P.C.C. SIDEWALK REMOVAL AND REPLACEMENT (SEE NOTE 3)
- ⑪ PR. CLASS D PATCHES, 8" (SEE NOTE 3)
- ⑫ PR. PARKWAY RESTORATION
 - TOPSOIL FURNISH AND PLACE, 4"
 - SODDING, SALT TOLERANT

GENERAL NOTES:

1. ALL LONGITUDINAL JOINTS BETWEEN LANES MUST BE FINISHED BY THE END OF EACH WORKING DAY TO PREVENT COLD JOINT BONDING BETWEEN SUCCESSIVE DAYS OF PAVING
2. THE CONTRACTOR SHALL NOTIFY AFFECTED RESIDENTS AND BUSINESSES 24 HOURS IN ADVANCE OF OPERATIONS AFFECTING DRIVEWAY INGRESS AND EGRESS.
3. LOCATIONS OF INTERMITTENT CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT, P.C.C. SIDEWALK REMOVAL AND REPLACEMENT AND CLASS D PATCHING SHALL BE DETERMINED IN THE FIELD DURING CONSTRUCTION BY THE ENGINEER.

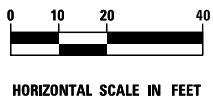
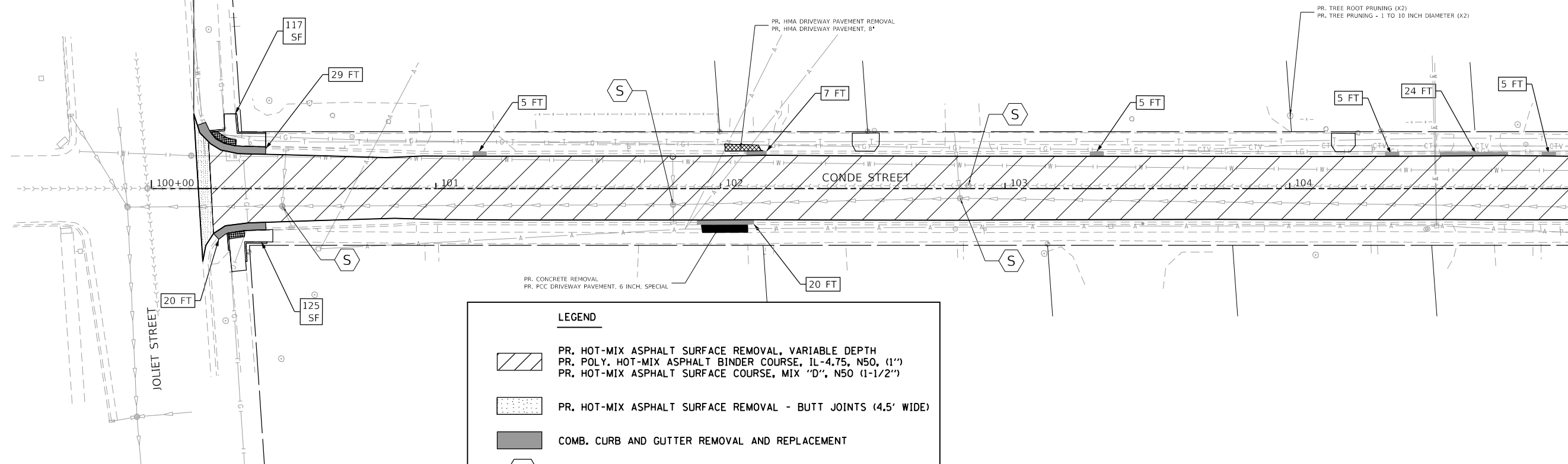
HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS @ Ndes	QMP
ROADWAY RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	4% @ 50 Gyr.	LR-1030-2
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	3.5% @ 50 Gyr.	LR-1030-2
CLASS D PATCHES		
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	4% @ 50 Gyr.	LR-1030-2
HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"; HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	4% @ 50 Gyr.	LR-1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	4% @ 50 Gyr.	LR-1030-2
QMP designations: Quality Control/Quality Assurance (QC/QA) PER LR1030-2		

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76 -22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL "PG 64 -22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.
3. THE CONTRACTOR SHALL MILL BEFORE PATCHING.
4. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLY. HMA BINDER CRS, IL-4.75, N50



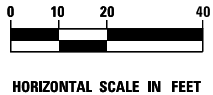
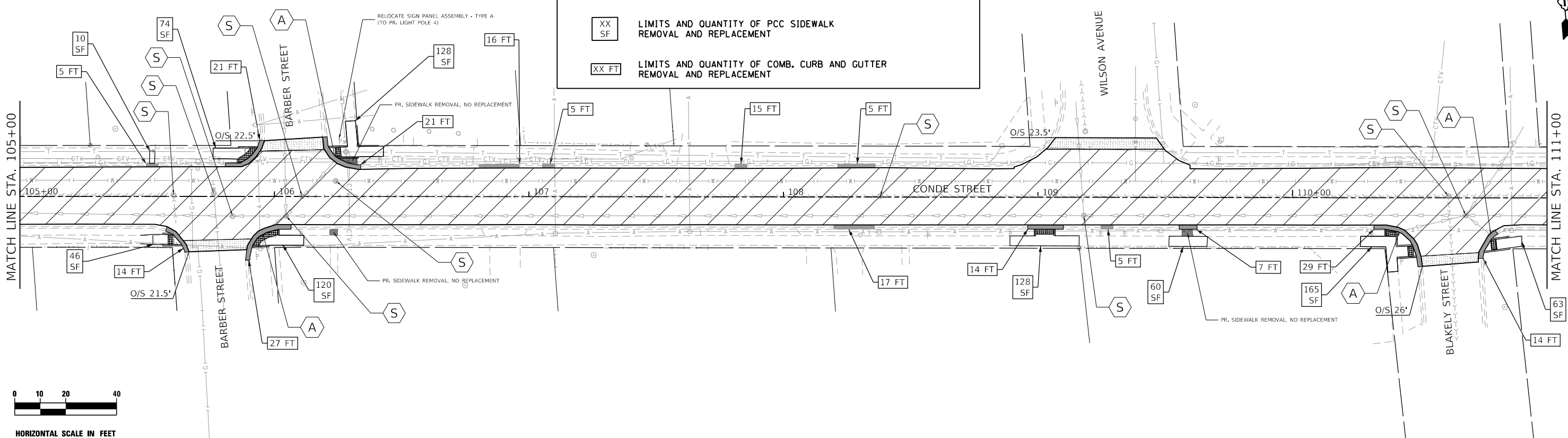
DETAIL A
COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT

PROJECT BEGINS
STA 100+17



LEGEND

- PR. HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
PR. POLY. HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, (1")
PR. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (1-1/2")
- PR. HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINTS (4.5' WIDE)
- COMB. CURB AND GUTTER REMOVAL AND REPLACEMENT
- EX. FRAMES AND LIDS TO BE ADJUSTED
- EX. FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
- LIMITS AND QUANTITY OF PCC SIDEWALK REMOVAL AND REPLACEMENT
- LIMITS AND QUANTITY OF COMB. CURB AND GUTTER REMOVAL AND REPLACEMENT



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suite 200
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USER NAME = MJS
DESIGNED -
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CHECKED -
PLOT DATE = 5/8/2023
DATE -

DESIGNED -
DRAWN -
CHECKED -
DATE -

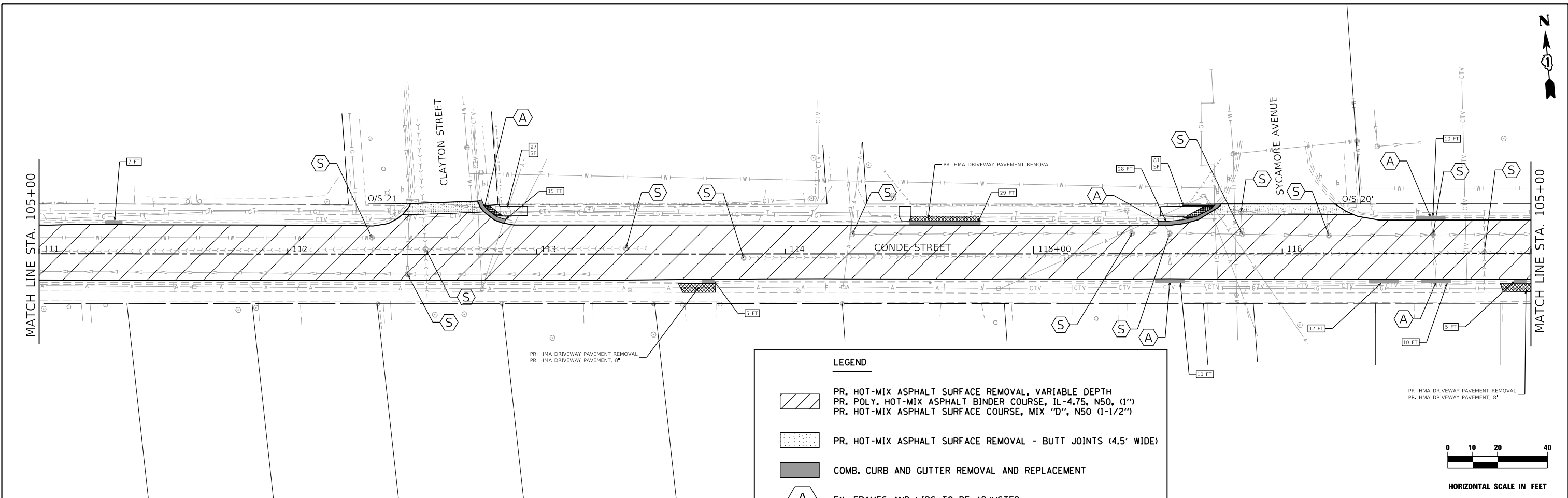
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**








**CONDE STREET IMPROVEMENT PROJECT
ROADWAY PLANS**

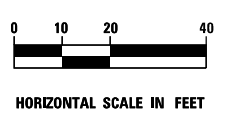
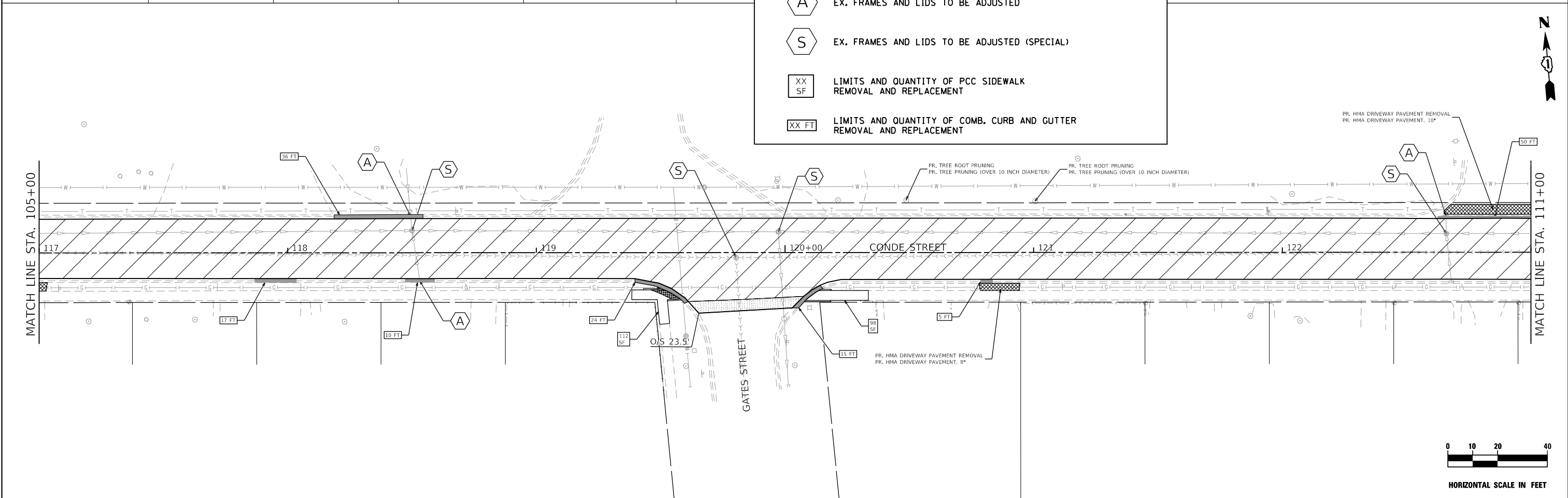
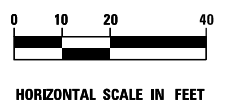
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FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4080	22-00087-00-R5	DuPAGE	38	9
CONTRACT NO. 61J75			ILLINOIS FED. AID PROJECT	

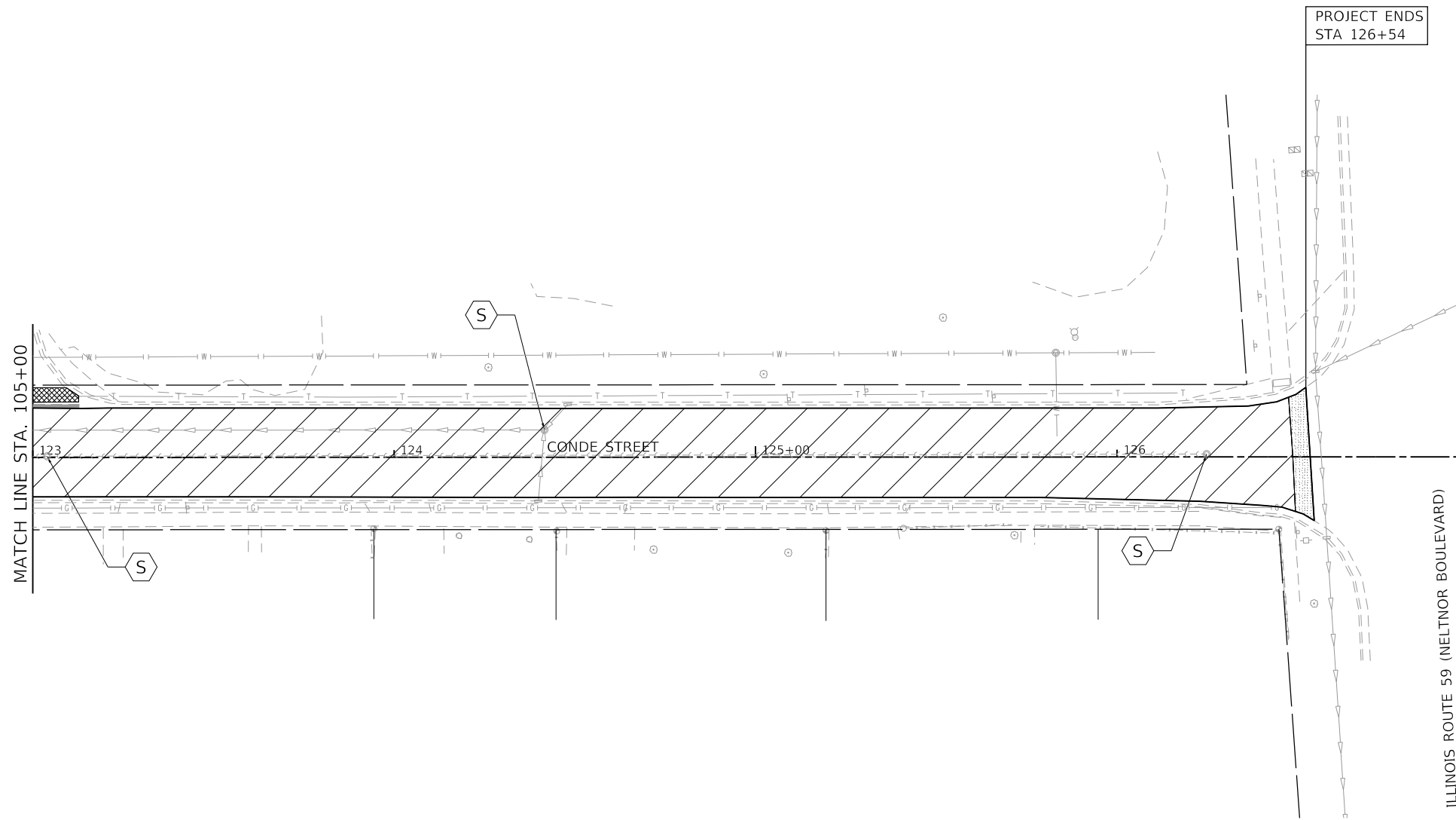


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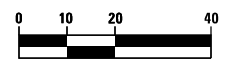
-  PR. HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
PR. POLY. HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, (1")
PR. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (1-1/2")
-  PR. HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINTS (4.5' WIDE)
-  COMB. CURB AND GUTTER REMOVAL AND REPLACEMENT
-  EX. FRAMES AND LIDS TO BE ADJUSTED
-  EX. FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
-  LIMITS AND QUANTITY OF PCC SIDEWALK REMOVAL AND REPLACEMENT
-  LIMITS AND QUANTITY OF COMB. CURB AND GUTTER REMOVAL AND REPLACEMENT



 thomas engineering group, llc 762 shoreline drive suite 200 aurora, illinois 60504 phone: 855-533-1700	USER NAME = MJS	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONDE STREET IMPROVEMENT PROJECT ROADWAY PLANS			FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1" = 20'	DRAWN -	REVISED -					4080	22-00087-00-R5	DUPAGE	38	10
PLOT DATE = 5/8/2023	CHECKED -	REVISED -	REVISED -	SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 61J75					
	DATE -	REVISED -	REVISED -	ILLINOIS FED. AID PROJECT								



LEGEND	
	PR. HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH PR. POLY. HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, (1") PR. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (1-1/2")
	PR. HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINTS (4.5' WIDE)
	COMB. CURB AND GUTTER REMOVAL AND REPLACEMENT
	EX. FRAMES AND LIDS TO BE ADJUSTED
	EX. FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
	LIMITS AND QUANTITY OF PCC SIDEWALK REMOVAL AND REPLACEMENT
	LIMITS AND QUANTITY OF COMB. CURB AND GUTTER REMOVAL AND REPLACEMENT



HORIZONTAL SCALE IN FEET

thomas
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 aurora, illinois 60504
 phone: 855-533-1700
 service at the highest grade

USER NAME = MJS	DESIGNED -	REVISED -
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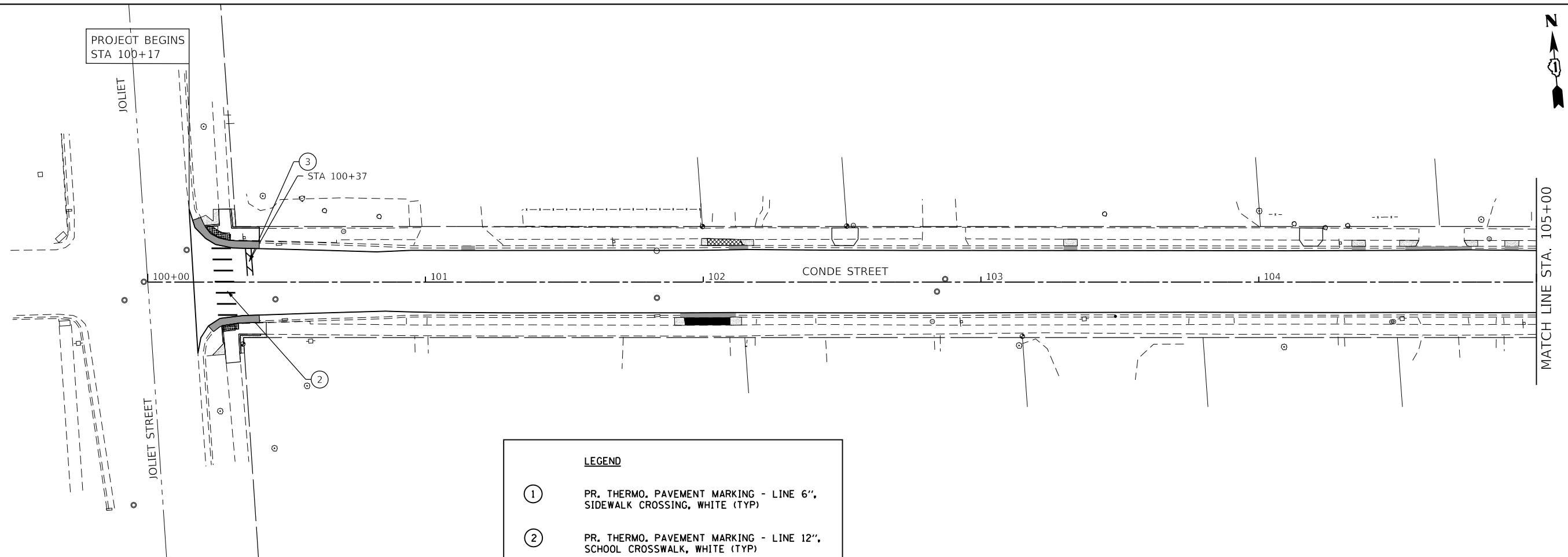
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CONDE STREET IMPROVEMENT PROJECT
 ROADWAY PLANS

SCALE: SHEET OF SHEETS STA. TO STA.

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61J75				
ILLINOIS FED. AID PROJECT				

PROJECT BEGINS
STA 100+17

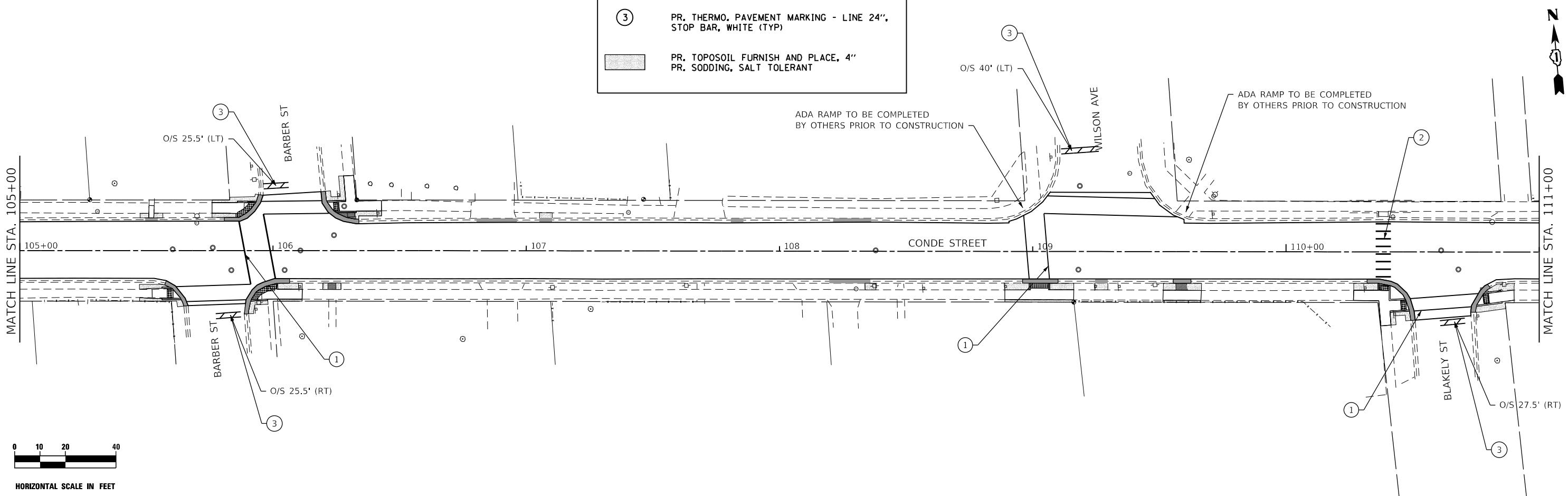


LEGEND

- ① PR. THERMO. PAVEMENT MARKING - LINE 6",
SIDEWALK CROSSING, WHITE (TYP)
- ② PR. THERMO. PAVEMENT MARKING - LINE 12",
SCHOOL CROSSWALK, WHITE (TYP)
- ③ PR. THERMO. PAVEMENT MARKING - LINE 24",
STOP BAR, WHITE (TYP)
- PR. TOPOSOIL FURNISH AND PLACE, 4"
PR. SODDING, SALT TOLERANT



HORIZONTAL SCALE IN FEET



HORIZONTAL SCALE IN FEET

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service at the highest grade

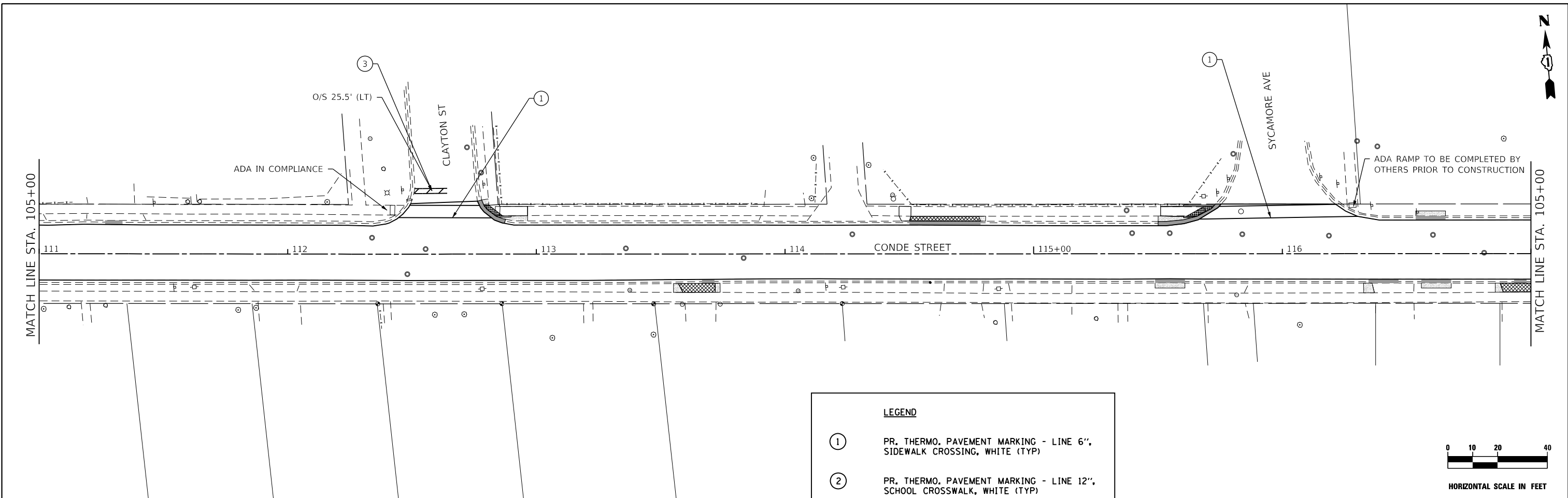
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CONDE STREET IMPROVEMENT PROJECT
LANDSCAPING & PAVEMENT MARKING PLANS**

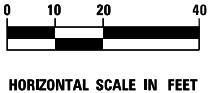
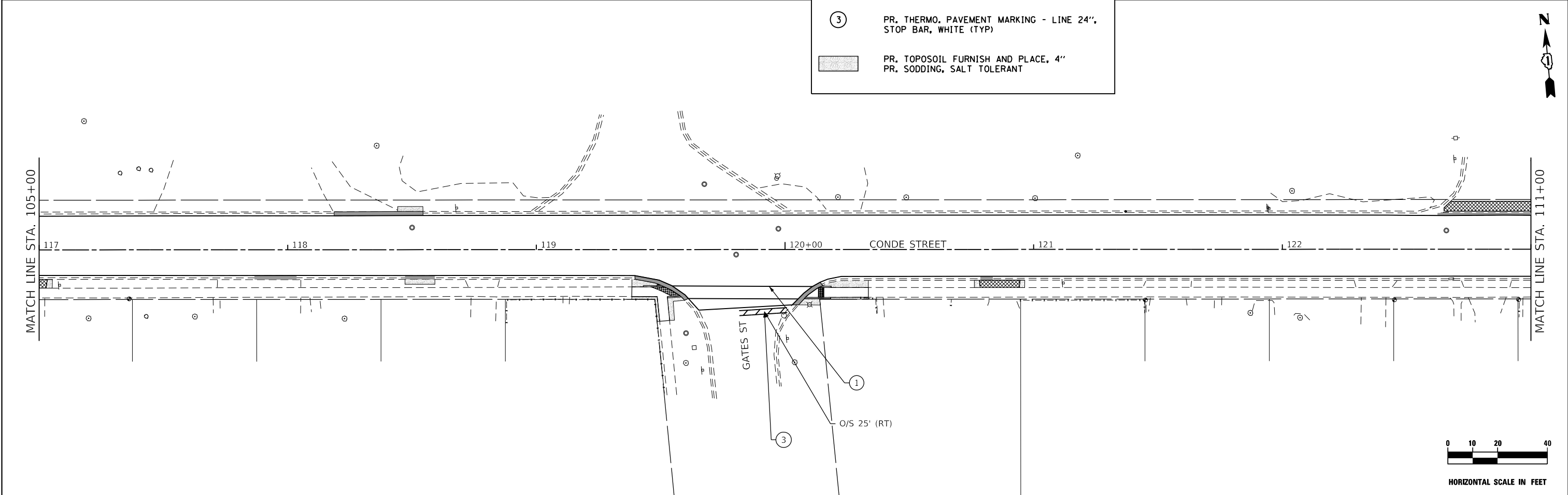
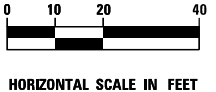
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FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4080	22-00087-00-R5	DUPAGE	38	12
CONTRACT NO. 61J75			ILLINOIS FED. AID PROJECT	



LEGEND

- ① PR. THERMO. PAVEMENT MARKING - LINE 6",
SIDEWALK CROSSING, WHITE (TYP)
- ② PR. THERMO. PAVEMENT MARKING - LINE 12",
SCHOOL CROSSWALK, WHITE (TYP)
- ③ PR. THERMO. PAVEMENT MARKING - LINE 24",
STOP BAR, WHITE (TYP)
- PR. TOPOSOIL FURNISH AND PLACE, 4"
PR. SODDING, SALT TOLERANT



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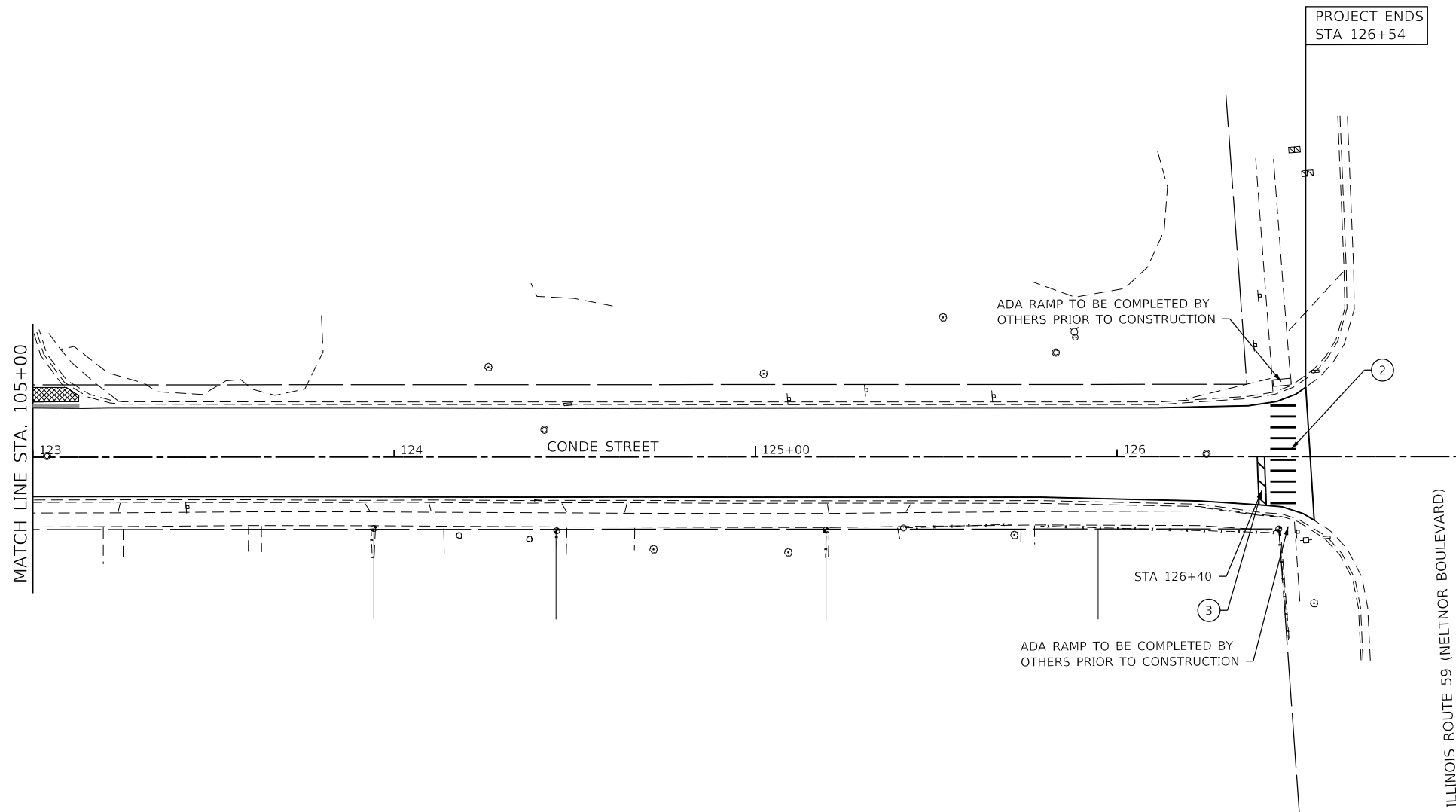
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PLOT SCALE = 1" = 20'	DRAWN -	REVISED -
PLOT DATE = 5/8/2023	CHECKED -	REVISED -
	DATE -	REVISED -


**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

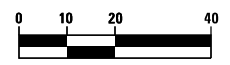
**CONDE STREET IMPROVEMENT PROJECT
LANDSCAPING & PAVEMENT MARKING PLANS**

SCALE: SHEET OF SHEETS STA. TO STA.

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4080	22-00087-00-R5		38	13
CONTRACT NO. 61J75				
ILLINOIS FED. AID PROJECT				



LEGEND	
①	PR. THERMO. PAVEMENT MARKING - LINE 6", SIDEWALK CROSSING, WHITE (TYP)
②	PR. THERMO. PAVEMENT MARKING - LINE 12", SCHOOL CROSSWALK, WHITE (TYP)
③	PR. THERMO. PAVEMENT MARKING - LINE 24", STOP BAR, WHITE (TYP)
	PR. TOPOSOIL FURNISH AND PLACE, 4" PR. SODDING, SALT TOLERANT



HORIZONTAL SCALE IN FEET

thomas
service at the highest grade
 thomas engineering group, llc
 762 shoreline drive
 suite 200
 aurora, illinois 60504
 phone: 855-533-1700

USER NAME = MJS	DESIGNED -	REVISED
PLOT SCALE = 1" = 20'	DRAWN -	REVISED -
PLOT DATE = 5/8/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CONDE STREET IMPROVEMENT PROJECT
 LANDSCAPING & PAVEMENT MARKING PLANS**

SCALE: SHEET OF SHEETS STA. TO STA.

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4080	22-00087-00-RS	DuPAGE	38	14
CONTRACT NO. 61J75				
ILLINOIS FED. AID PROJECT				

LIGHTING GENERAL NOTES:

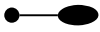

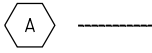
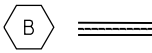
1. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS, INCLUDING ALL ABOVE AND BELOW GRADE APPURTENANCES. THE CONTRACTOR SHALL REPAIR ALL DAMAGE TO THE SATISFACTION OF THE OWNERS REPRESENTATIVE.
2. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE FOLLOWING SPECIFICATIONS, WHICH ARE HEREBY MADE A PART HEREOF:
 - A. "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS", AS PREPARED BY IDOT, LATEST EDITION.
 - B. "THE NATIONAL ELECTRICAL CODE", LATEST EDITION.
 - C. CITY OF WEST CHICAGO "CODE OF ORDINANCES".
3. THE CONTRACT DRAWINGS AND SPECIFICATIONS ARE NOT INTENDED TO SHOW EVERY AND ALL DETAILS OF WORK TO BE PERFORMED OR EQUIPMENT TO BE SUPPLIED. THE INTENT OF THE CONTRACT DRAWINGS AND SPECIFICATIONS IS TO ILLUSTRATE THE CONCEPTUAL DESIGN AND LAYOUT. THE CONTRACTOR SHALL BE KNOWLEDGEABLE AND REGULARLY ENGAGE IN THE TYPE OF WORK DESCRIBED BY THESE CONTRACT DRAWINGS AND SPECIFICATIONS AND SHALL BE RESPONSIBLE FOR UNDERSTANDING THEIR INTENT. ANY WORK TO BE PERFORMED OR ITEM OF EQUIPMENT TO BE SUPPLIED WHICH IS NOT SPECIFICALLY CALLED FOR BY THESE CONTRACT DRAWINGS AND SPECIFICATIONS, BUT WHICH IS NECESSARY TO PROVIDE A COMPLETE AND SUCCESSFUL WORKING SYSTEM SHALL BE INCLUDED IN THE CONTRACTORS SCOPE OF WORK AT NO ADDITIONAL COST TO THE OWNER.
4. THE WORK PERFORMED UNDER THIS CONTRACT SHALL IN NO WAY INTERFERE WITH THE NORMAL OPERATION OF ANY EXISTING UTILITY SERVICE. THE CONTRACTOR SHALL FURNISH ALL NECESSARY ITEMS OR EQUIPMENT REQUIRED TO MAINTAIN SUCH NORMAL OPERATION AT NO ADDITIONAL COST TO THE OWNER. THE COST ASSOCIATED FOR THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE CONTRACT.
5. BEFORE INSTALLING LIGHT STANDARDS NEAR OVERHEAD OR UNDERGROUND UTILITIES THE CONTRACTOR SHALL CALL ALL AFFECTED UTILITY COMPANIES FOR LOCATION APPROVAL.
6. CONTRACTOR TO VERIFY LOCATION OF ALL UNDERGROUND UTILITIES BEFORE TRENCHING OR AUGERING.
7. CONTRACTOR SHALL SUBMIT SPECIFICATIONS, DRAWINGS AND CATALOG CUTS FOR ALL MATERIAL TO THE RESIDENT ENGINEER FOR REVIEW BEFORE ORDERING ANY MATERIAL FOR THE PROJECT.
8. LOCATION OF SPARE RACEWAYS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR BEFORE EXISTING FOUNDATIONS ARE EXCAVATED.
9. LUMINAIRES SHALL HAVE A TIGHT FIT ON LIGHT POLES TO THE OWNERS SATISFACTION. THIS WORK SHALL INCLUDE FIELD ADJUSTING THE LUMINAIRE, WHICH WILL BE INCLUDED IN THE COST OF THE SINGLE STREET LIGHT AND POLE PAY ITEM.
10. ALL POLE HANDHOLE DOORS SHALL FACE AWAY FROM THE DIRECTION OF TRAFFIC.
11. THE CONTRACTOR SHALL COORDINATE PLACEMENT OF ALL UNDERGROUND DUCT AND CONDUITS PRIOR TO CONSTRUCTION OF PROPOSED PAVEMENT, DRIVEWAYS AND SIDEWALKS. IF CONDUIT OR UNIT DUCT IS PUSHED DUE TO SEQUENCING, THERE WILL BE NO ADDITIONAL COMPENSATION.
12. THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT STANDARD IS ERECTED.
13. MULTI-UNIT DUCT RUNS SHALL BE INSTALLED IN A COMMON TRENCH AND BACKFILLED. TRENCH AND BACKFILL WILL NOT BE PAID FOR EACH UNIT DUCT OR CONDUIT, BUT WILL BE PAID FOR THE LENGTH OF THE COMMON TRENCH ONLY.
14. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL LIGHT POLES. THE RESIDENT ENGINEER SHALL EXAMINE THE PROPOSED LOCATIONS AND SHALL CONFIRM THEM BEFORE THE LIGHT POLE FOUNDATIONS ARE INSTALLED.
15. ALL LIGHT POLE FOUNDATIONS SHALL BE INSPECTED BY THE RESIDENT ENGINEER PRIOR TO POURING CONCRETE.
16. NO LIGHT POLE SHALL BE ERECTED UNTIL THE RESPECTIVE FOUNDATION HAS CURED, AND IS APPROVED BY THE RESIDENT ENGINEER.

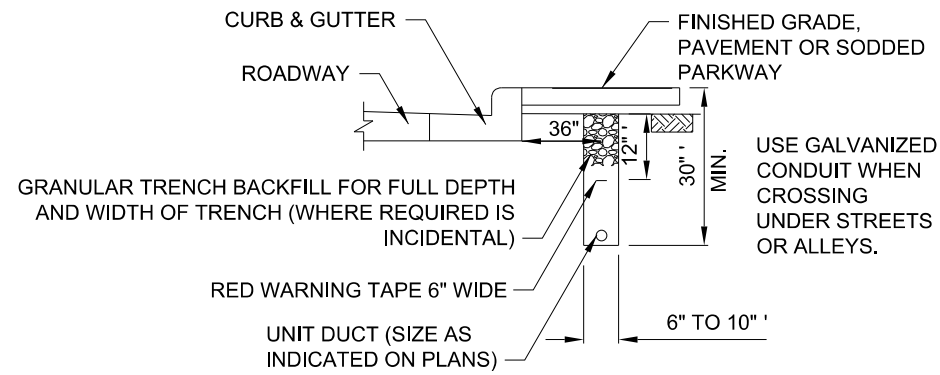
LIGHTING CONTROLLER NOTES:

1. ONCE INSTALLATION IS COMPLETE IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO CALL THE BUILDING MAINTENANCE DEPARTMENT AT (630) 293-2252 AND SCHEDULE AN INSPECTION FOR THE ELECTRICAL PANEL. CONTRACTOR WILL RECEIVE A DATE OF INSPECTION.
2. THE CONTRACTOR SHALL CHECK THE PANEL OR CALL THE BUILDING MAINTENANCE DEPARTMENT AT (630) 293-2252 THE DAY AFTER THE INSPECTION FOR THE RESULTS OF THE INSPECTION. A YELLOW TAG MEANS THAT IT HAS PASSED INSPECTION. A RED TAG MEANS THAT IT HAS FAILED AND THERE IS AN INSPECTION SHEET IN THE ELECTRICAL METER PANEL STATING WHAT NEEDS TO BE CORRECTED. IF THE INSTALLATION IS YELLOW TAGGED THE RESIDENT ENGINEER WILL CALL COMED AND REQUEST ELECTRICAL SERVICE BE CONNECTED AND METER INSTALLED.
3. IF THE INSTALLATION HAS BEEN RED TAGGED, THE CONTRACTOR SHALL COMPLETE PROBLEMS THE BUILDING MAINTENANCE SUPERVISOR HAS NOTED.
4. THE ELECTRICAL CONTRACTOR SHALL CALL THE BUILDING MAINTENANCE DEPARTMENT FOR A SECOND INSPECTION. IF CABINET PASSES THIS TIME IT WILL BE YELLOW TAGGED AND THE RESIDENT ENGINEER WILL CALL COMED AND REQUEST ELECTRICAL SERVICE TO BE CONNECTED AND METER INSTALLED.
5. THE STREET LIGHTING SYSTEM WILL THE BE TEST BURNED FOR 7 CONSECUTIVE DAYS AND NIGHTS.

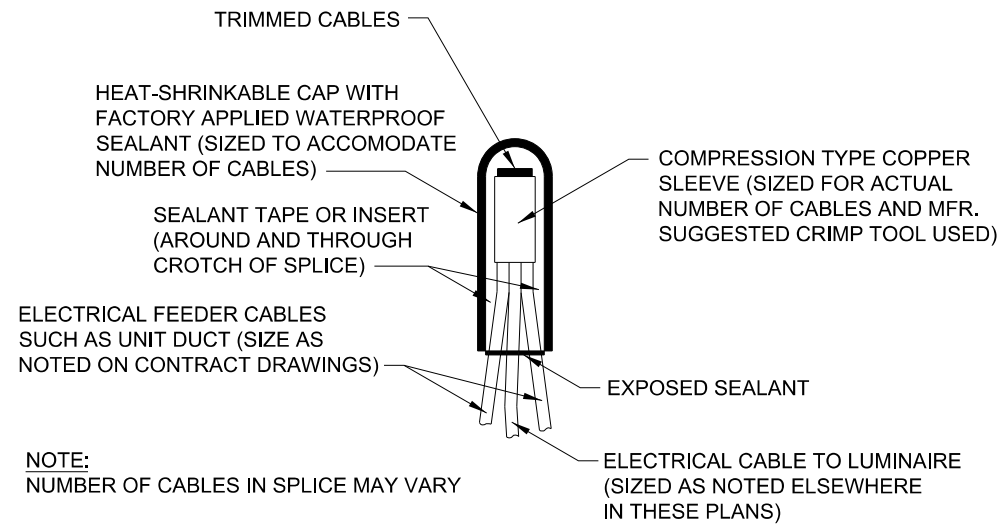
DESCRIPTION	UNIT	QUANTITY
ELECTRIC SERVICE INSTALLATION	EACH	1
ELECTRIC UTILITY SERVICE CONNECTION	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2-1/2" DIA.	FOOT	498
UNIT DUCT, 600V, 4-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 1-1/4" DIA. POLYETHYLENE	FOOT	2,772
LIGHT POLE FOUNDATION, METAL, 11" BOLT CIRCLE, 8" X 6'	EACH	14
LIGHTING CONTROLLER, SPECIAL	EACH	1
SINGLE STREET LIGHT AND POLE	EACH	14

LEGEND:

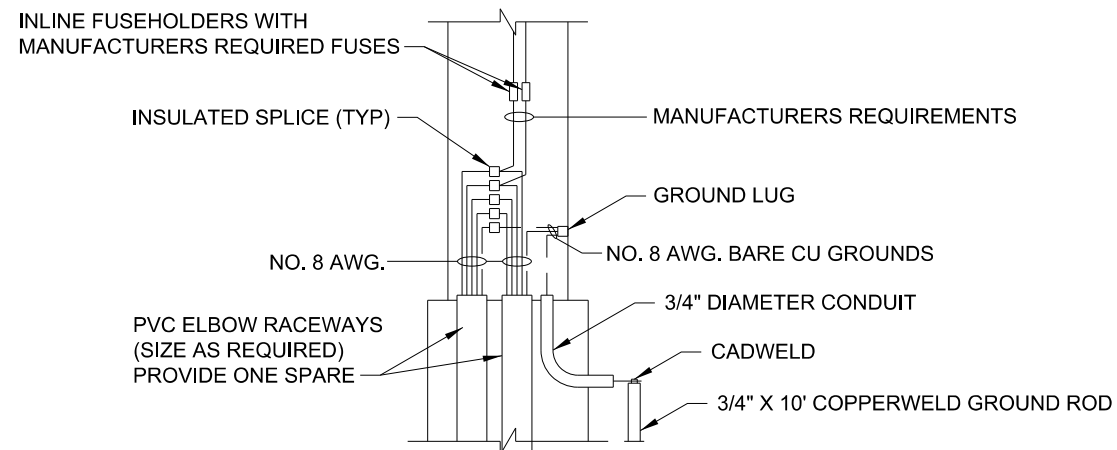
-  SINGLE STREET LIGHT AND POLE WITH 12' MAST ARM (28' POLE HEIGHT)
-  PROPOSED LIGHTING CONTROLLER- PEDESTAL
-  UNIT DUCT, 600V, 4-1C NO. 8, 1/C NO. 8, GROUND (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE
-  CONDUIT PUSHED 2 1/2" DIA. RIGID GALVANIZED STEEL CONDUIT



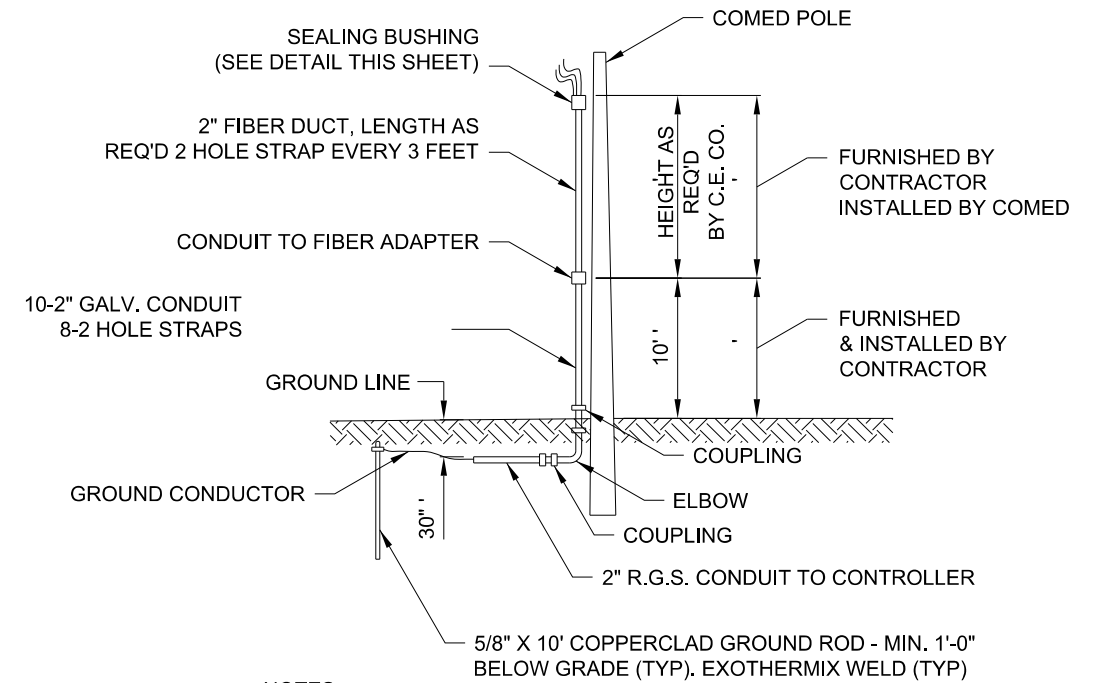
CONDUIT TRENCH DETAIL
NOT TO SCALE



SPlicing ELECTRIC Cables
BASIC MATERIALS AND METHODS
NOT TO SCALE



STREET LIGHT POLE BASE WIRING DIAGRAM
NOT TO SCALE



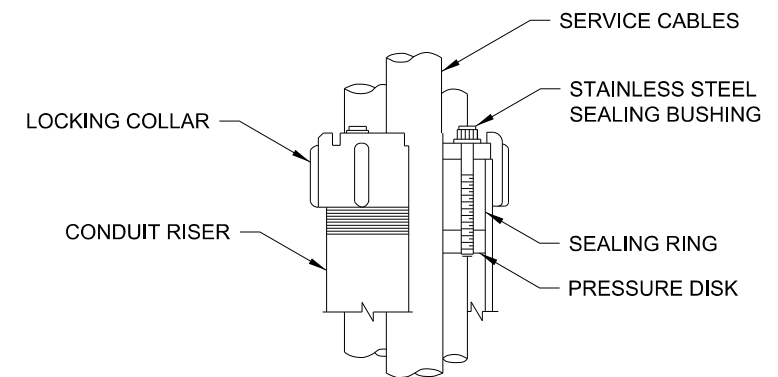
NOTES:

ALL ITEMS SHOWN ABOVE INCLUDING 2" R.G.S. CONDUIT WITH 3 1/0 AWG XLP-TYPE USE Cables SHALL BE INCLUDED IN COST OF ELECTRIC SERVICE INSTALLATION.

SEE COMED BOOK OF INFORMATION AND REQUIREMENTS FOR THE SUPPLY OF ELECTRICAL SERVICE PAGE NO. 90591.

GROUND ROD, GROUND CLAMPS AND GROUND WIRE TO BE IN ACCORDANCE WITH COMED REQUIREMENTS.

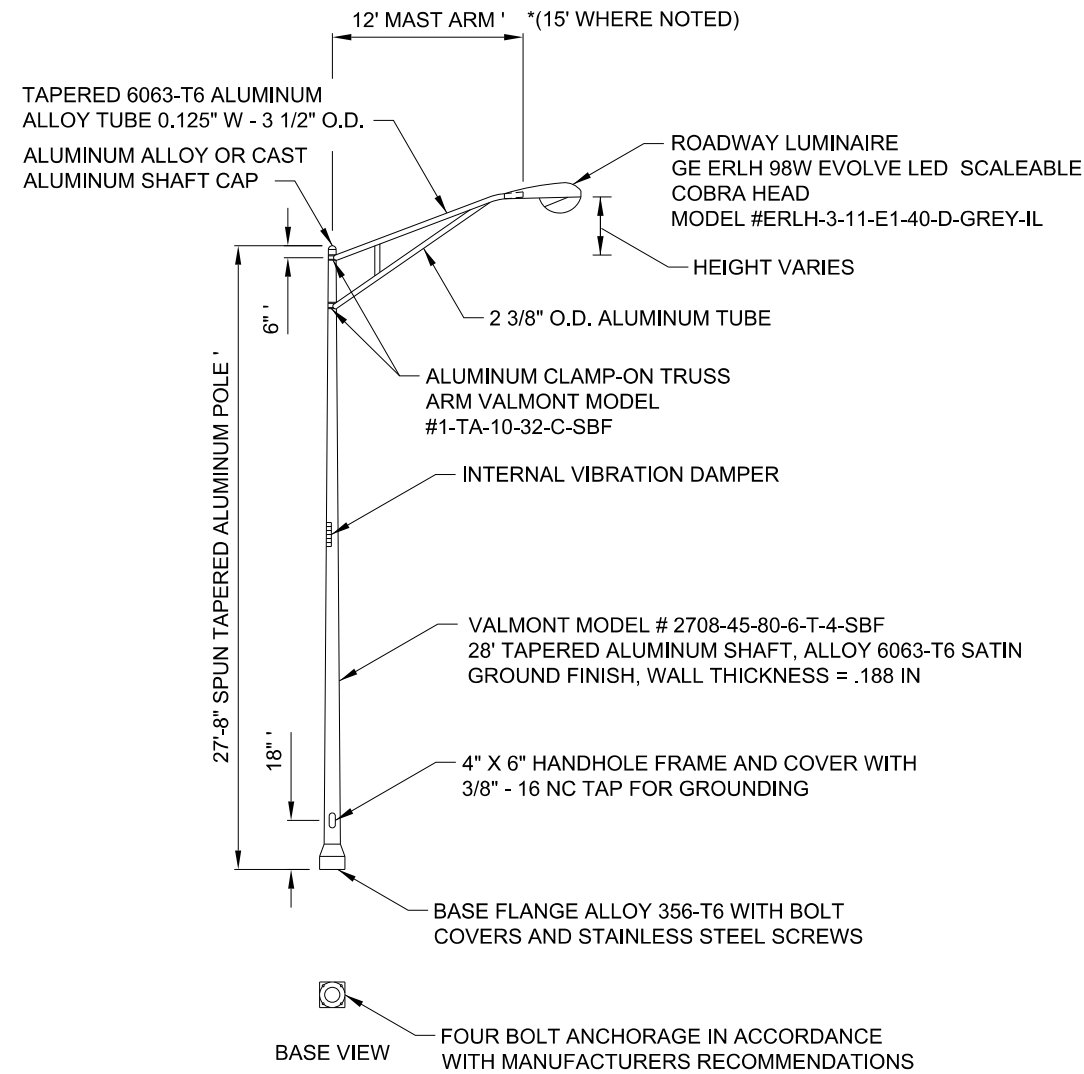
COMED OVERHEAD CONNECTION POLE
NOT TO SCALE



SEALING BUSHING DETAIL
NOT TO SCALE

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FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4080	22-00087-00-R5		38	16
CONTRACT NO. 61J75			ILLINOIS FED. AID PROJECT	



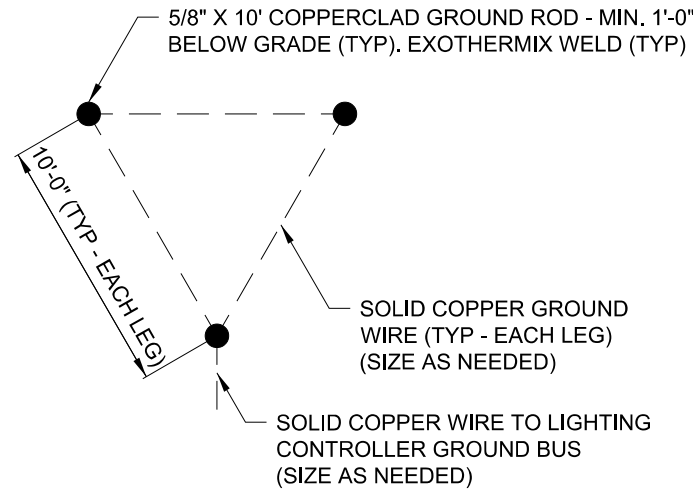
NOTES:

1. ALL ITEMS SHOWN ABOVE INCLUDING LIGHT POLE, LUMINAIRE/LAMP, MAST ARM, BASE FLANGE, AND INTERIOR WIRING AND FUSING SHALL BE INCLUDED IN THE COST OF "SINGLE STREET LIGHT AND POLE".
2. LIGHT POLES SHALL MEET WIND LOADING AND VIBRATION REQUIREMENTS ACCORDING TO THE LATEST AASHTO STANDARDS AND ARTICLE 1069.01 IN STANDARD SPECIFICATIONS. ALL LUMINAIRES SHALL HAVE A MULTI-TAP BALLAST WIRED FOR 240 VOLT OPERATION.

SINGLE STREET LIGHT AND POLE
NOT TO SCALE

USER NAME = MJS	DESIGNED - _____	REVISED _____
	DRAWN - _____	REVISED - _____
PLOT SCALE = FULL SIZE	CHECKED - _____	REVISED - _____
PLOT DATE = 5/8/2023	DATE - _____	REVISED - _____

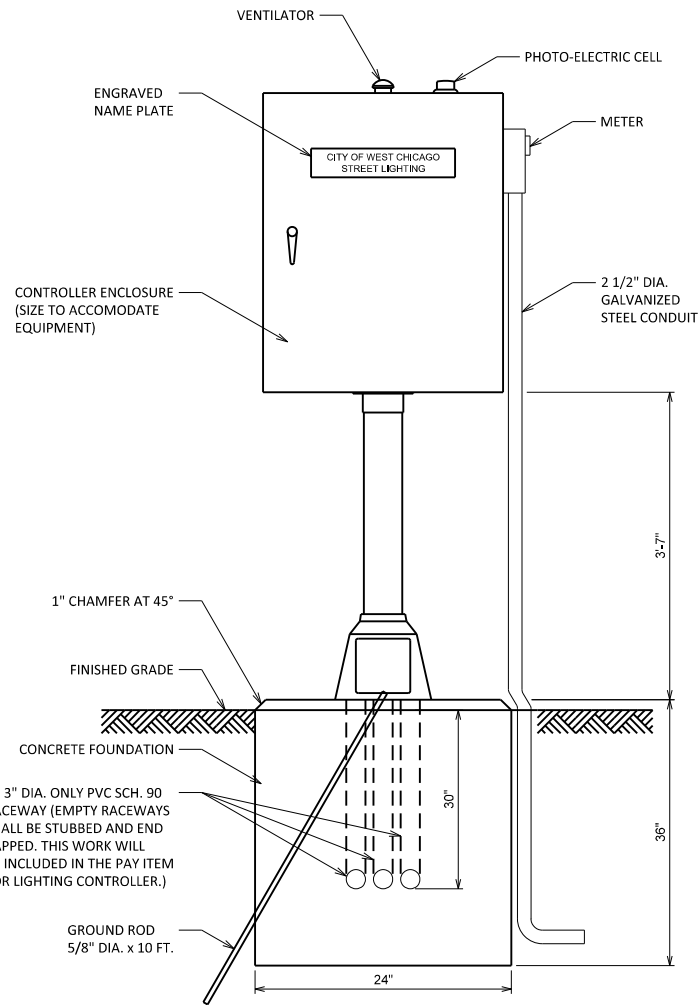
FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4080	22-00087-00-R5	DuPAGE	38	17
CONTRACT NO. 61J75				
ILLINOIS FED. AID PROJECT				



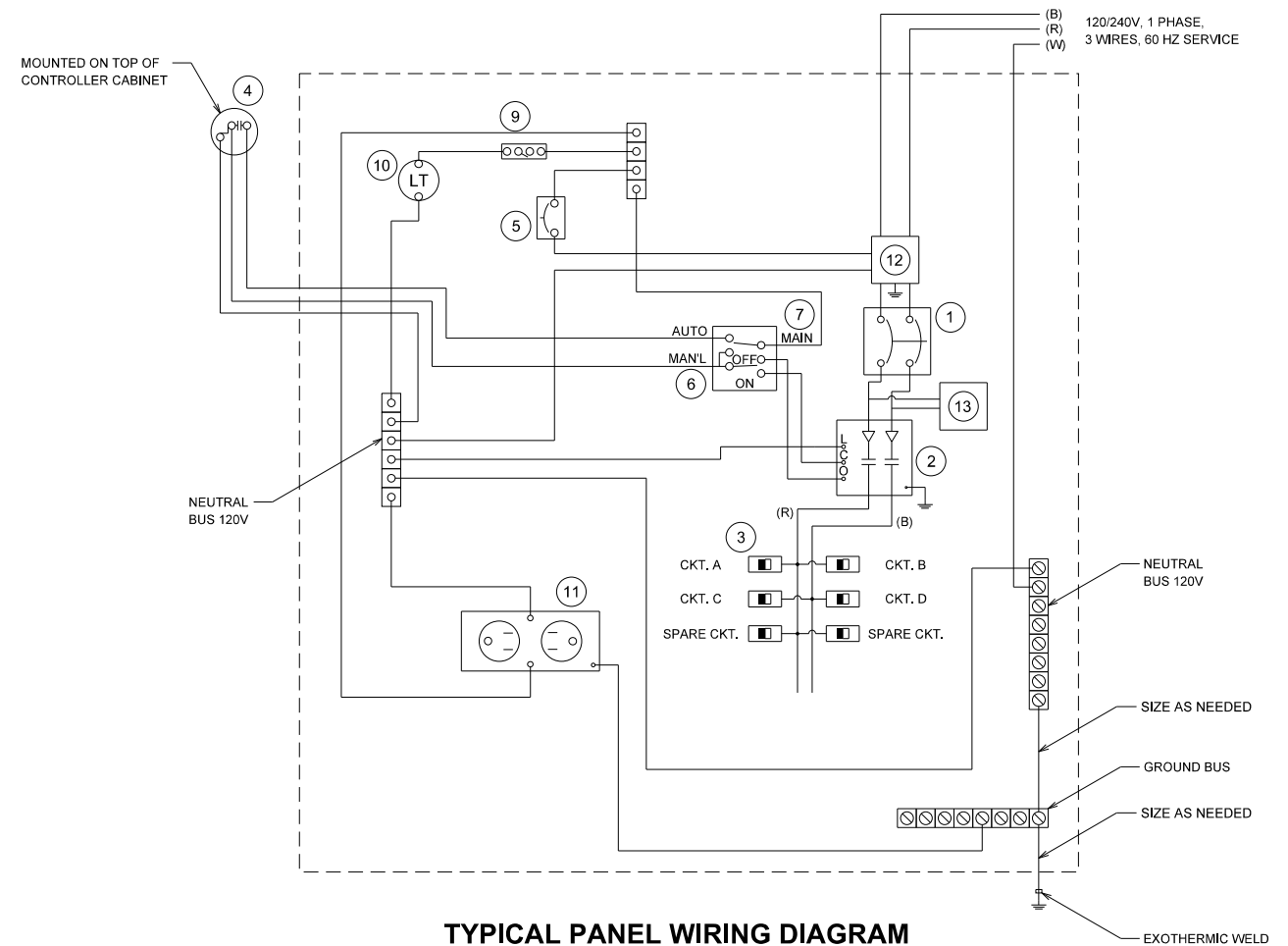
GROUND FIELD DETAIL (TYP)
NOT TO SCALE

NOTES FOR CONTROL CABINET:

1. THE CABINET SHALL BE FABRICATED FROM 0.125" THICK ALUMINUM ALLOY SHEET AND SHALL BE REINFORCED WITH ALUMINUM ANGLES. THE CABINET SHALL BE NEMA TYPE 3 CONSTRUCTION WITH NEOPRENE GASKET. THE DOOR SHALL HAVE STAINLESS STEEL HINGES AND THREE POINT LOCKING SYSTEM.
2. CONTROL WIRING SHALL BE NO. 12 AWG., 600V, TYPE 'SIS' GRAY SWITCHBOARD WIRE, STRANDED COPPER.
3. THE HEADS OF CONNECTOR SCREWS SHALL BE PAINTED WHITE FOR NEUTRAL BUS CONNECTION AND GREEN FOR GROUND BUS CONNECTORS.
4. PROVIDE SEALING GROMMETS FOR ALL WIRING EXTENDING FROM DEVICE ENCLOSURES.
5. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
6. THE CONTROLLER SHALL BE CONSTRUCTED TO U.L. STD. 508 AND BEAR THE U.L. LABEL 'ENCLOSED INDUSTRIAL CONTROL PANEL'.
7. PROVIDE A HOLDER AND WATERPROOF POUCH ON THE INNER SIDE OF THE CONTROLLER DOOR, FURNISH THE APPROVED COPY OF 'CONTROL CABINET WIRING DIAGRAM'.
8. A CONCRETE PAD 36" X 60" X 4" MINIMUM SIZE SHALL BE PLACED IN FRONT OF CONTROLLER CABINET DOOR WHEN THERE IS NO SIDEWALK. THE PAD SHALL BE POURED SEPARATELY FROM THE FOUNDATION AND INCLUDE A PREFORMED EXPANSION JOINT FILLER. THE COST OF LABOR AND MATERIALS ARE INCLUDED IN THE COST OF THE CONTROLLER.
9. CONTROLLER CABINET PAINTING NOTE:
THE CABINET SHALL BE BLACK POWDER-COATED. A SAMPLE SHALL BE SUBMITTED WITH THE SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION. THE COST OF PAINTING THE CABINET SHALL BE INCLUDED IN THE COSTS OF MATERIAL AND INSTALLATION OF THE STREET LIGHTING CONTROLLER.
10. PROVIDE A RED WARNING NAMEPLATE IN THE CONTROLLER NEAR THE MAIN BREAKER INDICATING "LIVE CIRCUITS EVEN WHEN MAIN CIRCUIT BREAKER IS IN OFF POSITION".
11. THE PANEL MANUFACTURER SHALL LABEL THE CABINET WITH THE APPROPRIATE ARC FLASH WARNING AND PERSONNEL PROTECTION EQUIPMENT REQUIRED FOR SERVICING.
12. CONTROLLER CABINET DOOR SHALL BE ON THE PARKWAY SIDE OF THE CABINET, OPPOSITE THE ROADWAY.
13. THE ELECTRIC METER SHALL BE MOUNTED ON THE HINGE SIDE OF THE DOOR.



CONTROL CABINET - PEDESTAL MOUNTED
(WORK PAD NOT SHOWN)



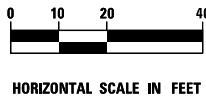
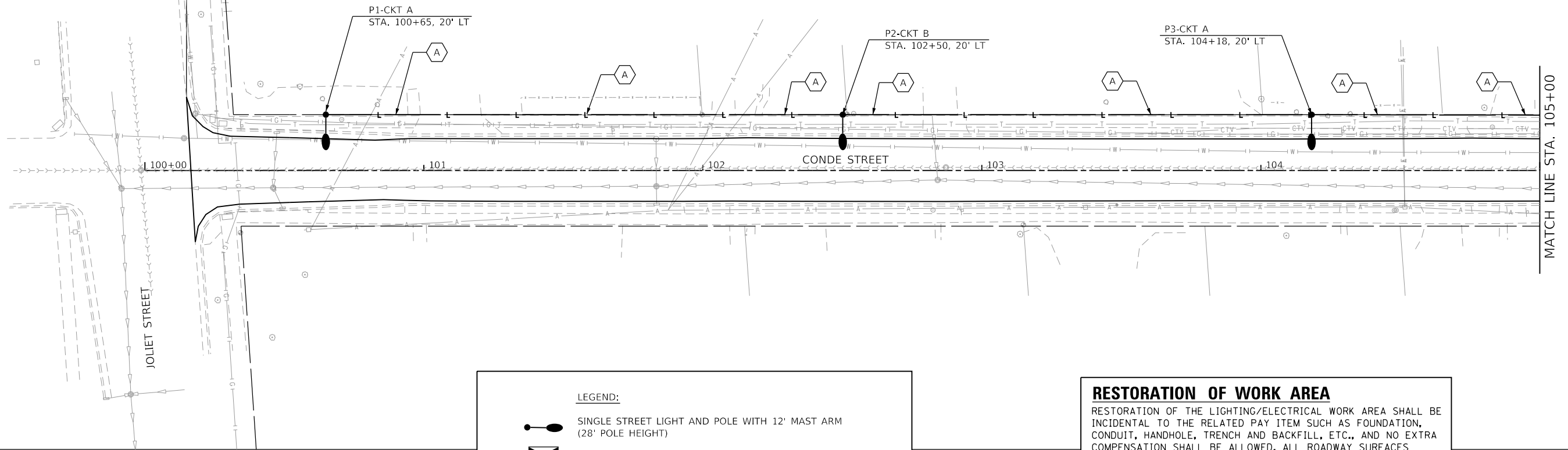
TYPICAL PANEL WIRING DIAGRAM
NOT TO SCALE

TYPICAL DEVICE SCHEDULE
(NOTE: VALUES SHALL BE DESIGNED SPECIFIC TO EACH PROJECT)

ITEM	QUANT.	DESCRIPTION
①	1	100 AMP CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, 2-POLE, SINGLE THROW, 600V FRAME, NON-INTERCHANGEABLE TRIP, BOLT ON TYPE; INTERRUPTING CAPACITY OF NOT LESS THAN 22,000 RMS SYMMETRICAL AMPERES AT 600V
②	1	100 AMP, SQUARE D ELECTRICALLY OPERATED AND ELECTRICALLY HELD LIGHTING CONTACTOR, 2-POLE, 240 V.COIL
③	6	120/240V, 1 PHASE PANEL BOARD WITH 100 A. COOPER MAIN SINGLE POLE, 30 A., 240 V. BOLT ON BRANCH CIRCUITS BREAKERS INTERRUPTING CAPACITY OF NOT LESS THAN 10,000 RMS SYMMETRICAL AMPERES AT 240 V.
④	1	PHOTO-ELECTRIC CELL, 120 V, MOUNT ON CONTROLLER CABINET, DELAY TYPE, PFPA-105M
⑤	2	THERMAL MAGNETIC, MOLDED CASE CIRCUIT BREAKER, 1 POLE, 15 A., 120V, BOLT ON TYPE, INTERRUPTING CAPACITY OF NOT LESS THAN 5,000 RMS SYMMETRICAL AMPERES AT 120V.
⑥	1	CONTROL SWITCH, MOMENTARY CONTACT, SPDT, 15 A., 120 V.
⑦	1	CONTROL SWITCH, TOGGLE TYPE, SPDT, 20 A., 120 V. SPEC. GRADE
⑨	1	MICRO SWITCH (MOUNTED WITH ACTUATOR TO SWITCH WHEN DOOR IS OPEN)
⑩	1	800 LUMEN LED LIGHT FIXTURE VAPORTIGHT WITH GLOBE, GUARD AND MOUNTING BOX
⑪	1	120 VOLT, 20 AMP, GFCI RECEPTACLE, SPECIFICATION GRADE IN NEMA 5-15R WEATHERPROOF BOX WITH FLAP-TYPE COVER
⑫	1	SURGE ARRESTOR
⑬	1	LINE VOLTAGE MONITOR



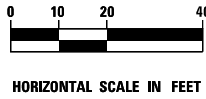
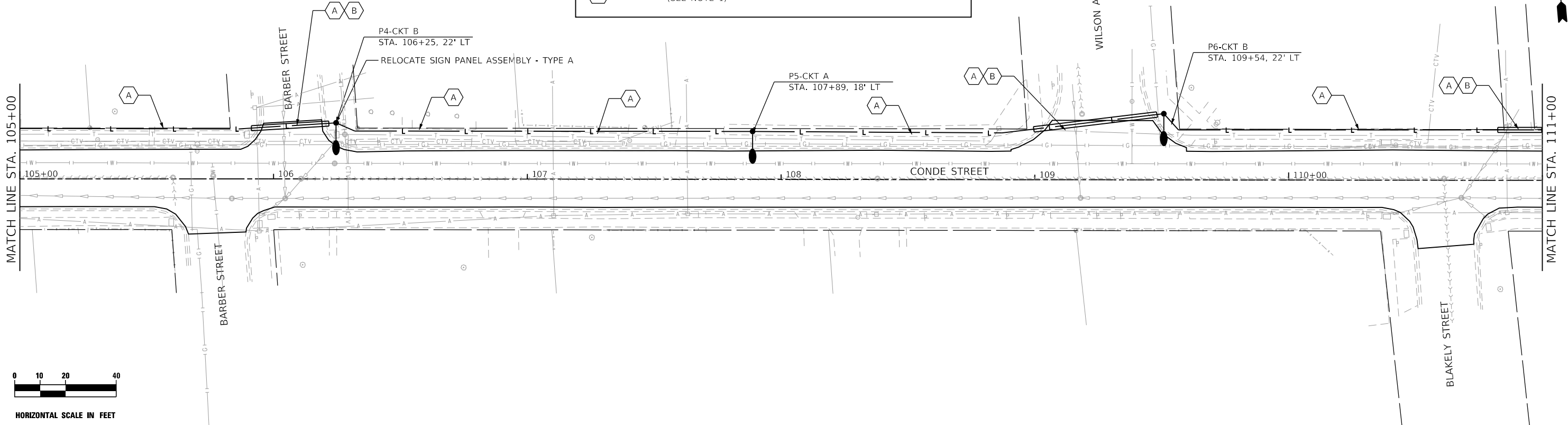
PROJECT BEGINS
STA 100+17



LEGEND:

- SINGLE STREET LIGHT AND POLE WITH 12' MAST ARM (28' POLE HEIGHT)
- PROPOSED LIGHTING CONTROLLER
-
-

RESTORATION OF WORK AREA
 RESTORATION OF THE LIGHTING/ELECTRICAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDING IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.



thomas thomas engineering group, llc
 762 shoreline drive
 suite 200
 aurora, illinois 60504
 phone: 855-533-1700

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

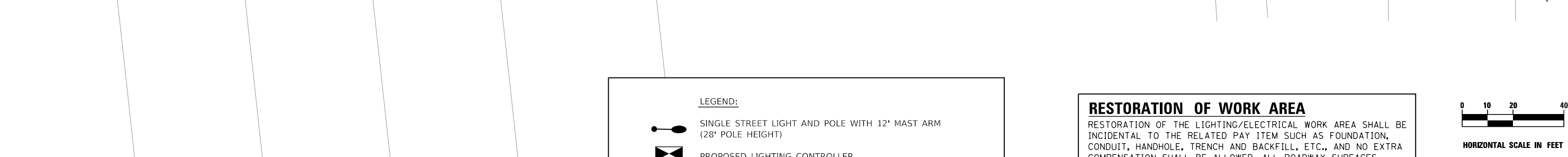
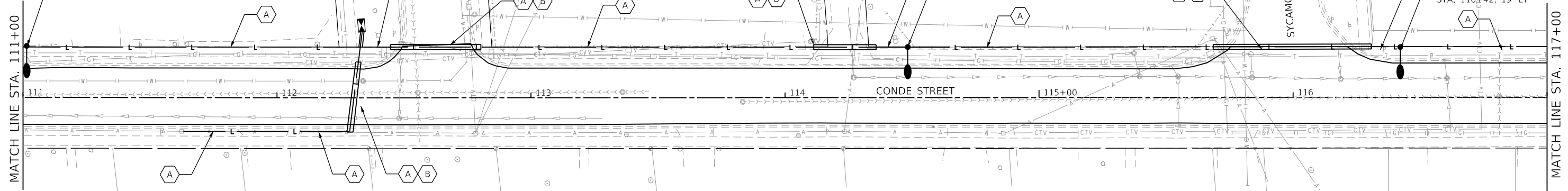
**CONDE STREET IMPROVEMENT PROJECT
 LIGHTING PLANS**

SCALE: SHEET OF SHEETS STA. TO STA.

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ILLINOIS FED. AID PROJECT

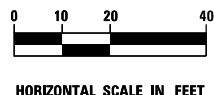
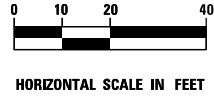
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STA. 111+01, 20' LT



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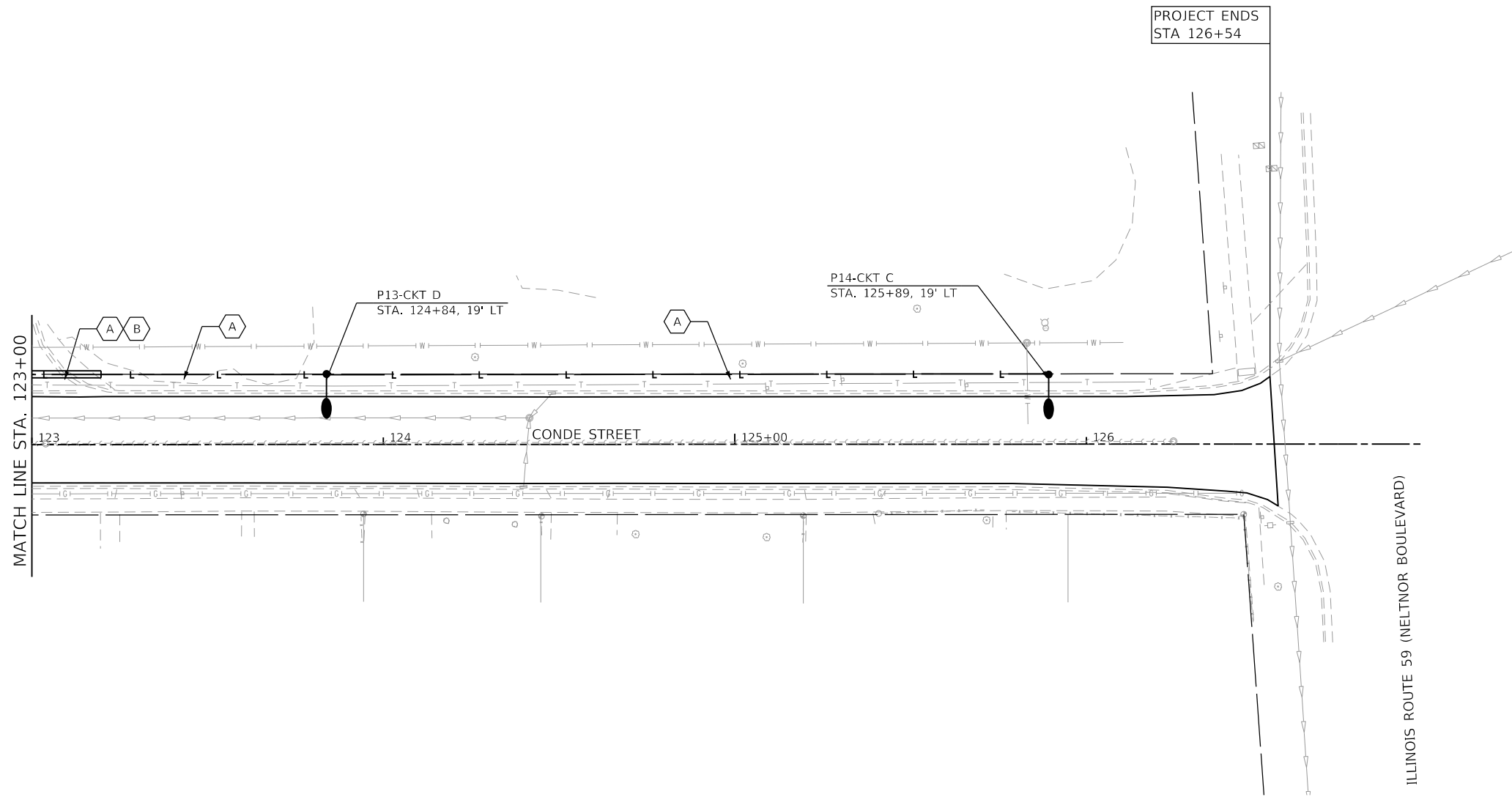
- SINGLE STREET LIGHT AND POLE WITH 12' MAST ARM (28' POLE HEIGHT)
- PROPOSED LIGHTING CONTROLLER
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RESTORATION OF WORK AREA
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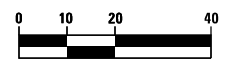
FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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HORIZONTAL SCALE IN FEET

thomas
 service at the highest grade

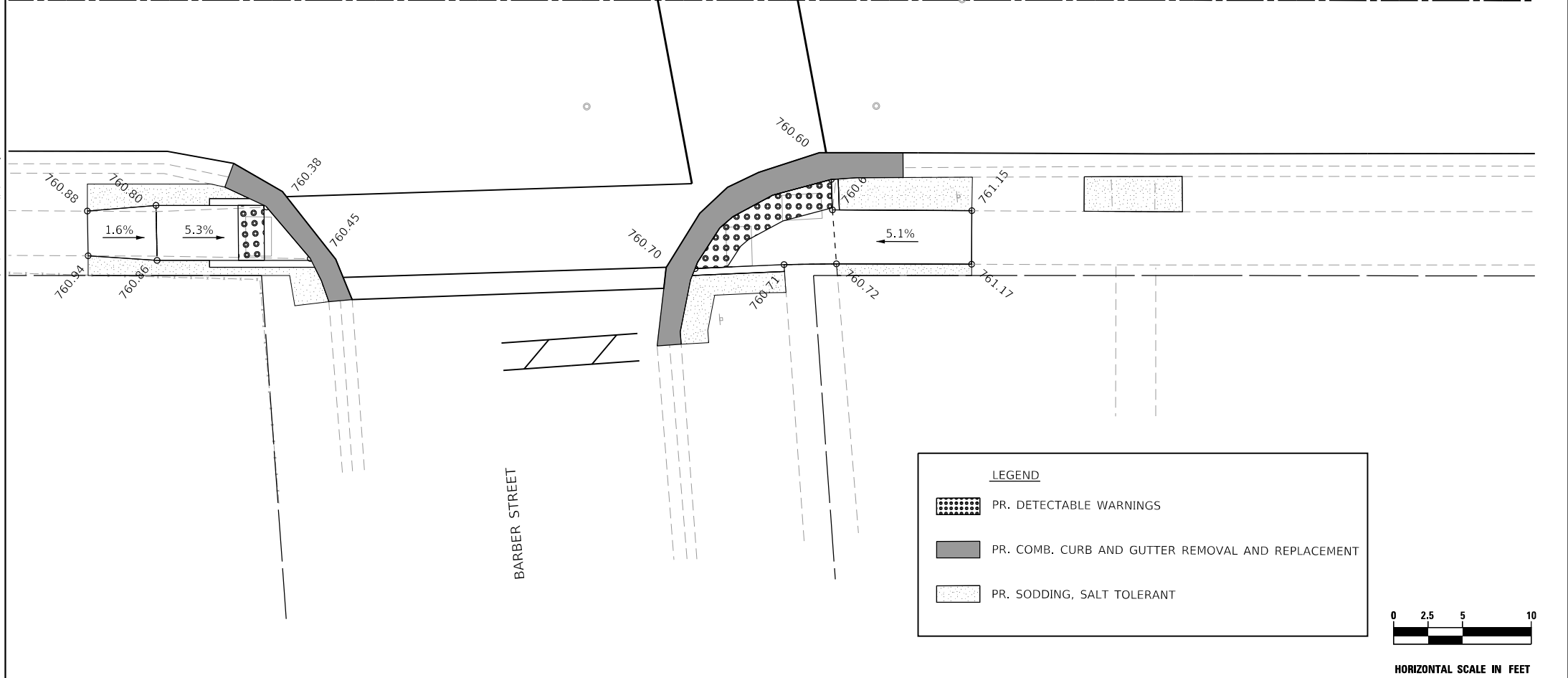
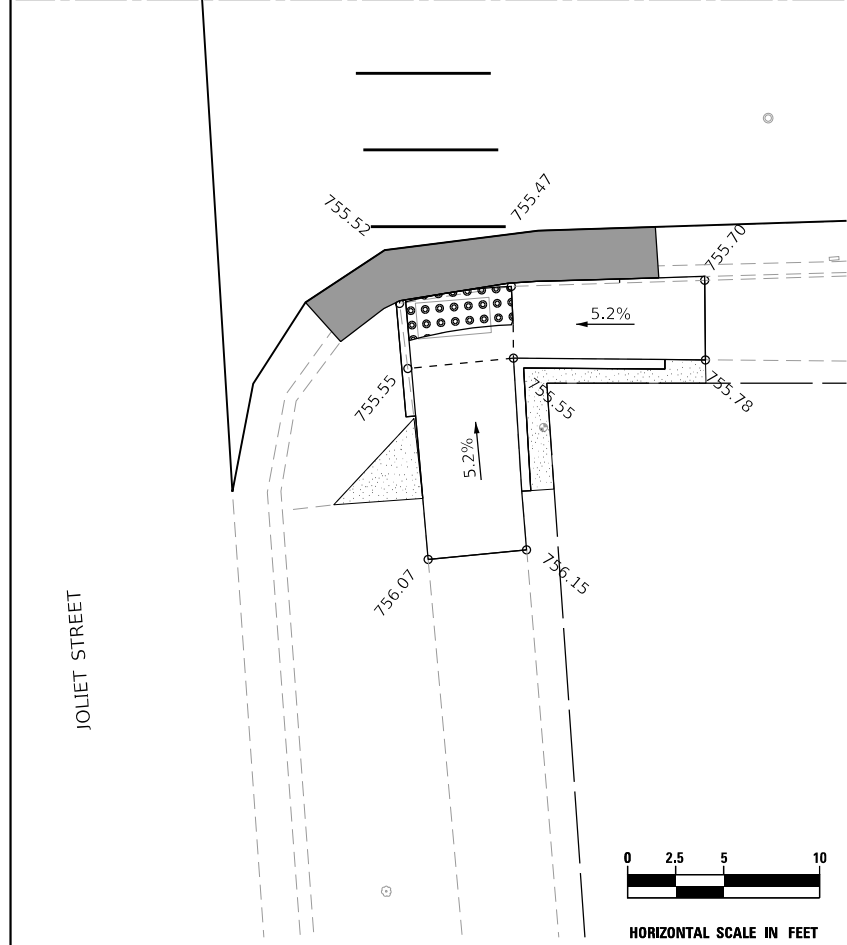
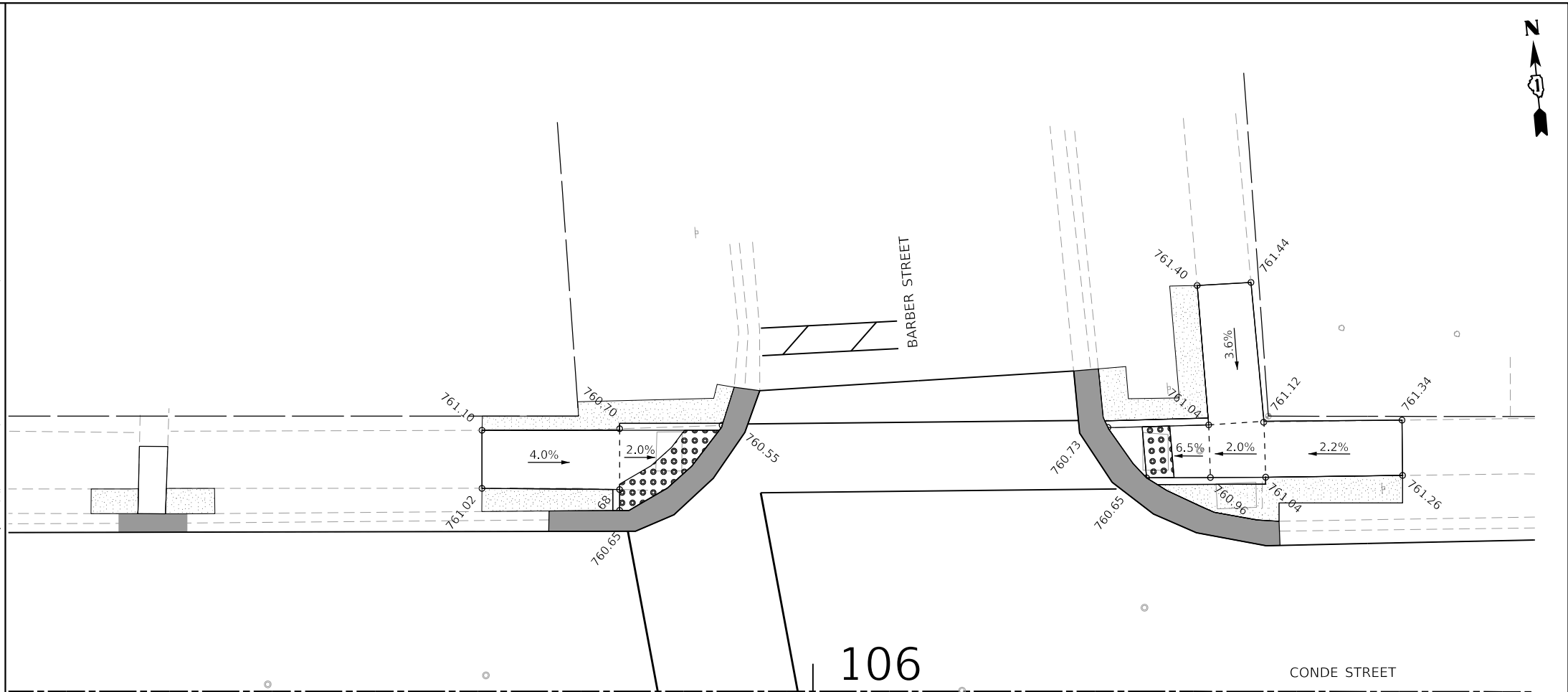
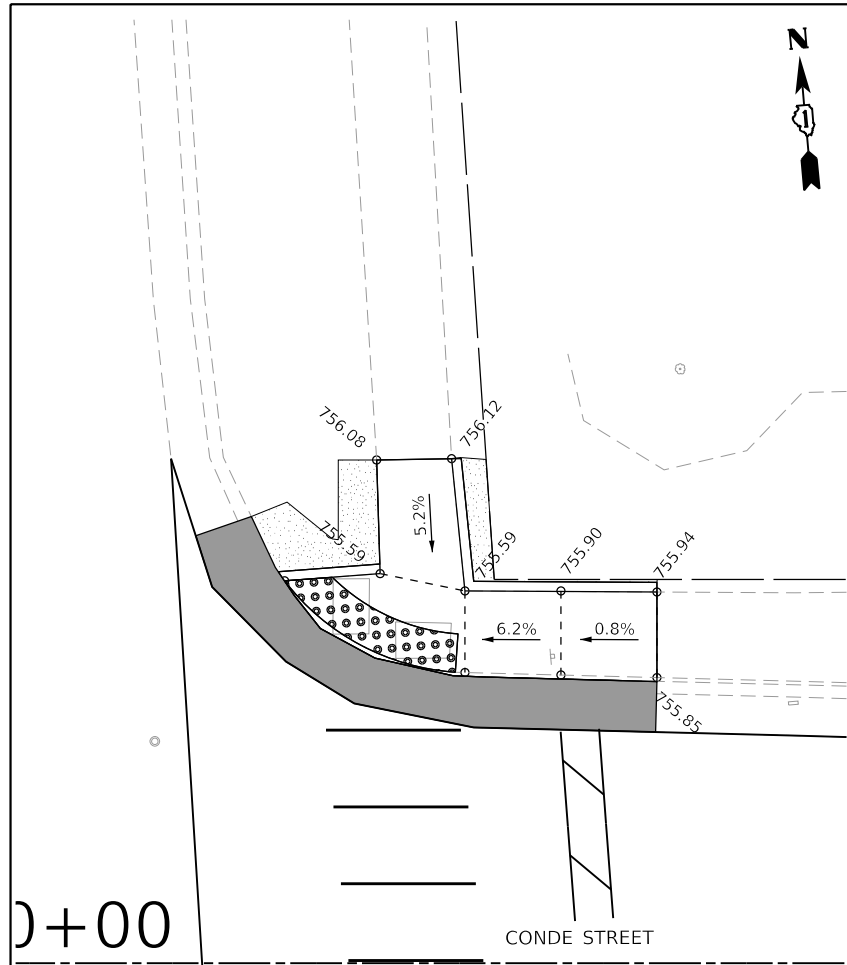
thomas engineering group, llc 762 shoreline drive suite 200 aurora, illinois 60504 phone: 855-533-1700	USER NAME = MJS	DESIGNED -	REVISED
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**




**CONDE STREET IMPROVEMENT PROJECT
 LIGHTING PLANS**

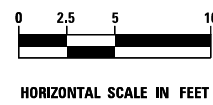
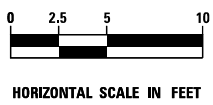
SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4080	22-00087-00-R5	DuPAGE	38	21
CONTRACT NO. 61J75				
ILLINOIS FED. AID PROJECT				



LEGEND

-  PR. DETECTABLE WARNINGS
-  PR. COMB. CURB AND GUTTER REMOVAL AND REPLACEMENT
-  PR. SODDING, SALT TOLERANT



thomas thomas engineering group, llc
 762 shoreline drive
 suite 200
 aurora, illinois 60504
 phone: 855-533-1700

USER NAME = MJS	DESIGNED -
PLOT SCALE = 1" = 5'	DRAWN -
PLOT DATE = 5/8/2023	CHECKED -
	DATE -

REVISED
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CONDE STREET IMPROVEMENT PROJECT
 SIDEWALK DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61J75				
ILLINOIS FED. AID PROJECT				

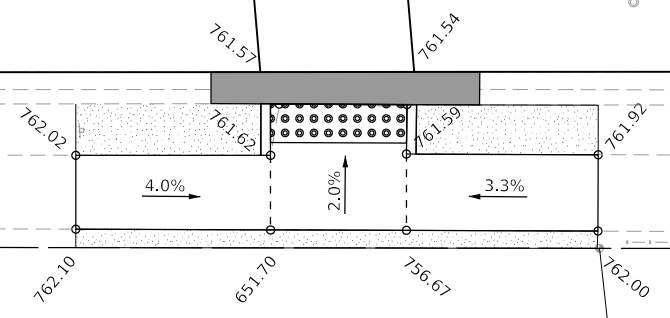


WILSON AVENUE




CONDE STREET

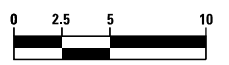
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11



LEGEND

-  PR. DETECTABLE WARNINGS
-  PR. COMB. CURB AND GUTTER REMOVAL AND REPLACEMENT
-  PR. SODDING, SALT TOLERANT



HORIZONTAL SCALE IN FEET

thomas
 thomas engineering group, llc
 762 shoreline drive
 suite 200
 aurora, illinois 60504
 phone: 855-533-1700

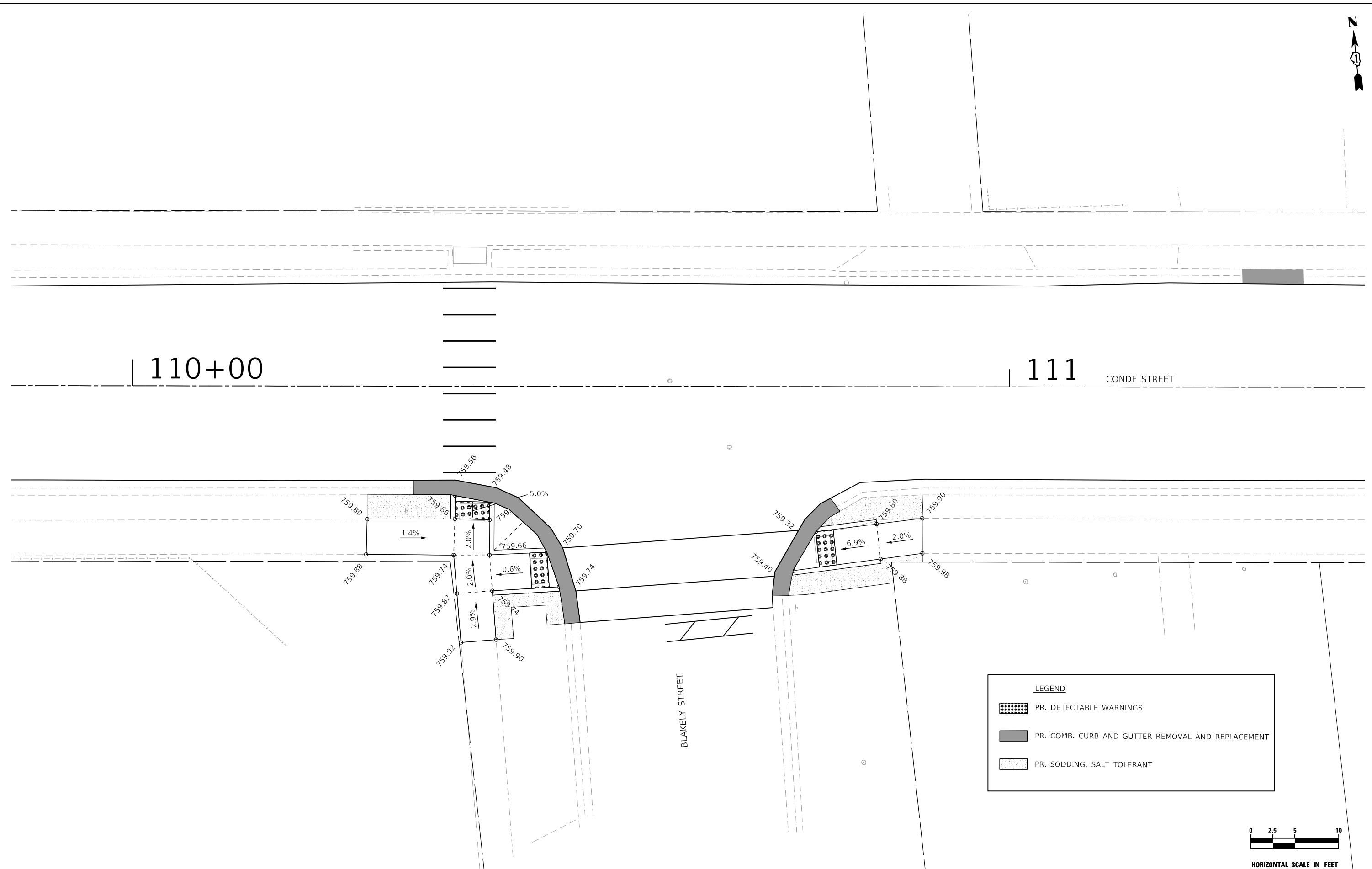
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CONDE STREET IMPROVEMENT PROJECT
 SIDEWALK DETAILS**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4080	22-00087-00-R5		38	23
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61J75	



LEGEND

- PR. DETECTABLE WARNINGS
- PR. COMB. CURB AND GUTTER REMOVAL AND REPLACEMENT
- PR. SODDING, SALT TOLERANT



HORIZONTAL SCALE IN FEET

thomas
 thomas engineering group, llc
 762 shoreline drive
 suite 200
 aurora, illinois 60504
 phone: 855-533-1700
 service at the highest grade

USER NAME = MJS	DESIGNED -	REVISED
DRAWN -	REVISOR -	REVISION -
PLOT SCALE = 1" = 5'	CHECKED -	REVISOR -
PLOT DATE = 5/8/2023	DATE -	REVISION -




**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

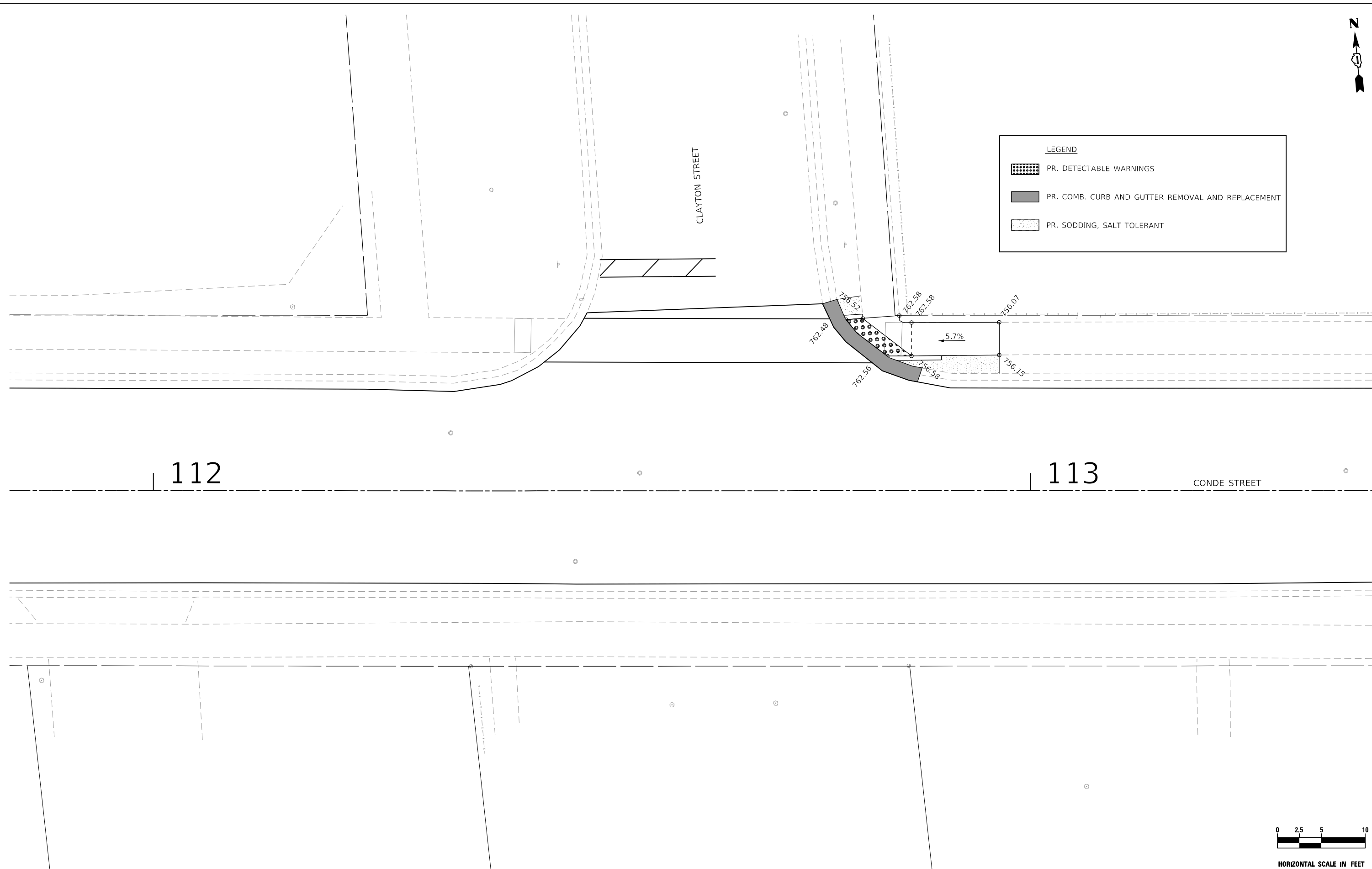
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 SIDEWALK DETAILS**

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FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61J75				
ILLINOIS FED. AID PROJECT				



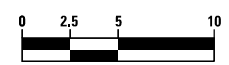
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	PR. COMB. CURB AND GUTTER REMOVAL AND REPLACEMENT
	PR. SODDING, SALT TOLERANT



112

113

CONDE STREET



HORIZONTAL SCALE IN FEET

thomas
 thomas engineering group, llc
 762 shoreline drive
 suite 200
 aurora, illinois 60504
 phone: 855-533-1700
 service at the highest grade

USER NAME = MJS	DESIGNED -	REVISED -
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

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

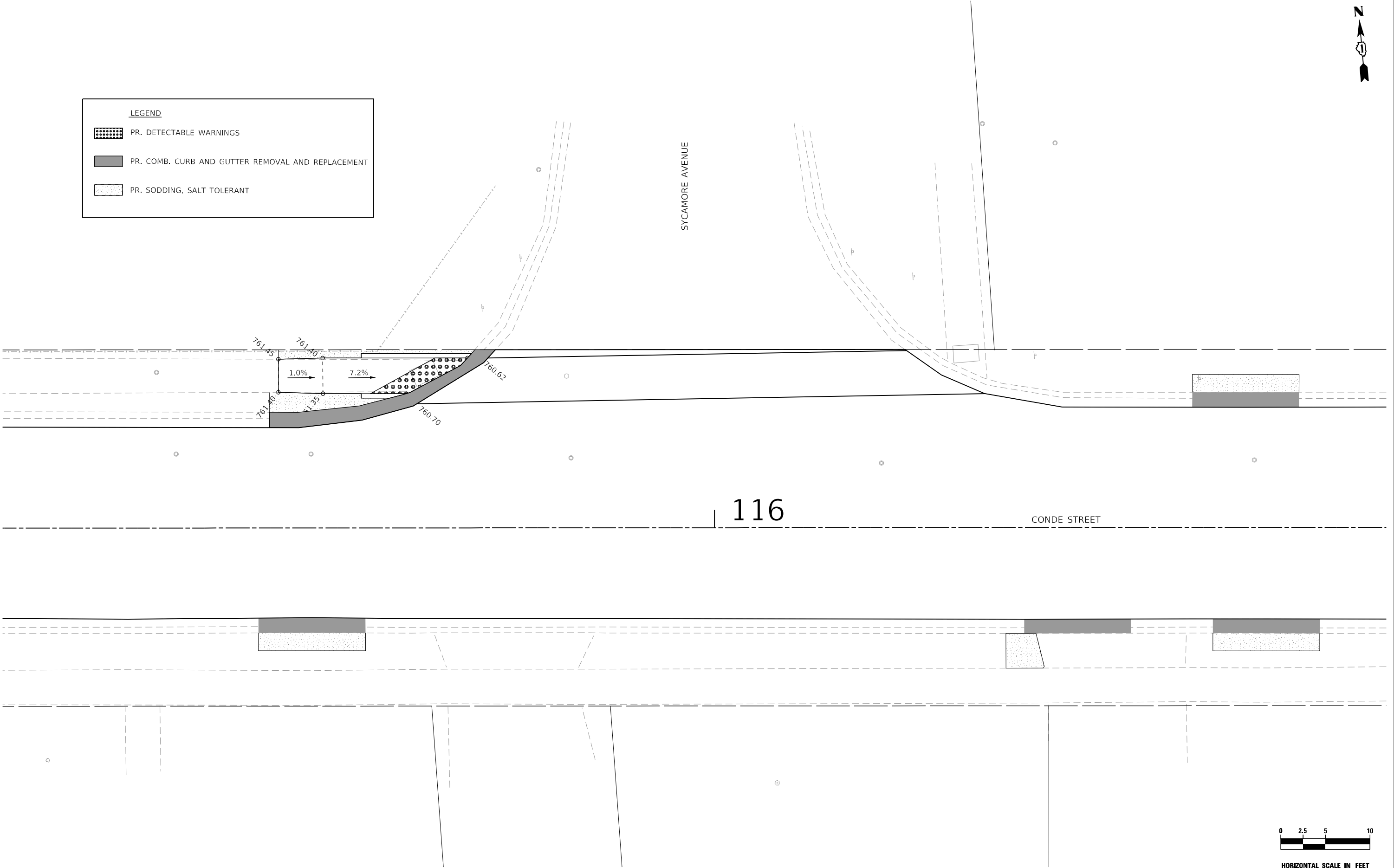
**CONDE STREET IMPROVEMENT PROJECT
 SIDEWALK DETAILS**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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ILLINOIS FED. AID PROJECT				

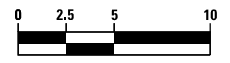


LEGEND	
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	PR. COMB. CURB AND GUTTER REMOVAL AND REPLACEMENT
	PR. SODDING, SALT TOLERANT



116

CONDE STREET



HORIZONTAL SCALE IN FEET

thomas
 thomas engineering group, llc
 762 shoreline drive
 suite 200
 aurora, illinois 60504
 phone: 855-533-1700
 service at the highest grade

USER NAME = MJS	DESIGNED -	REVISED
PLOT SCALE = 1" = 5'	DRAWN -	REVISED -
PLOT DATE = 5/8/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CONDE STREET IMPROVEMENT PROJECT
 SIDEWALK DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

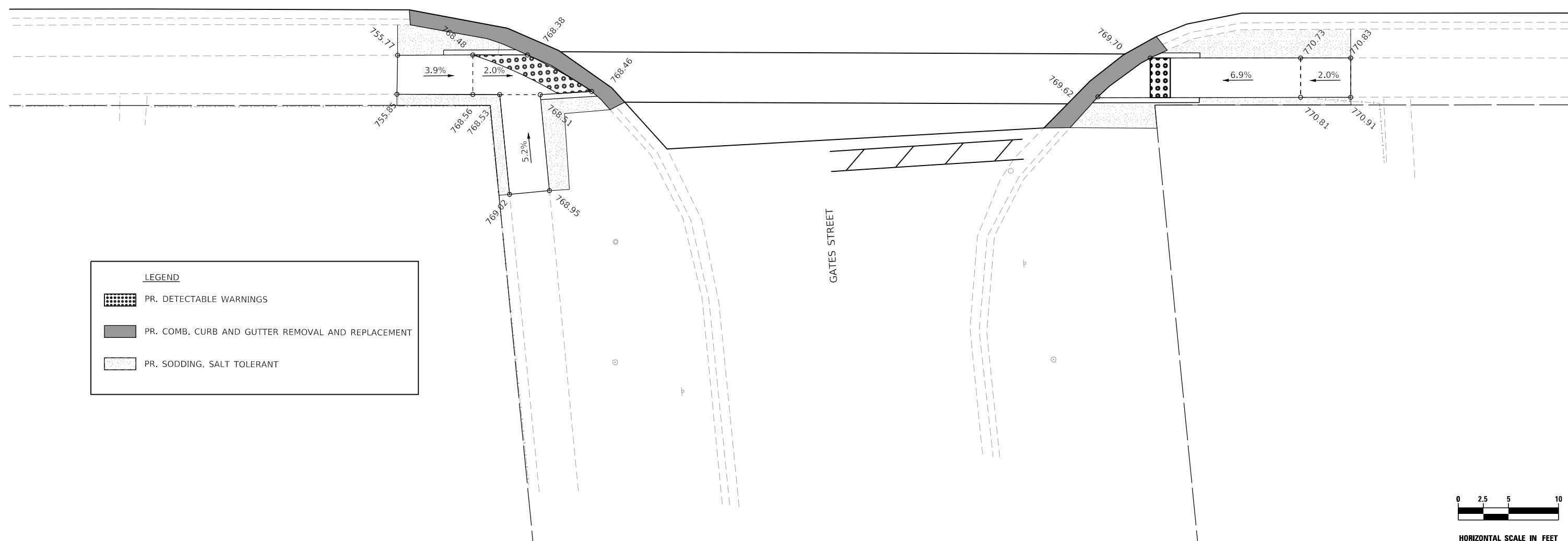
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CONTRACT NO. 61J75				
ILLINOIS FED. AID PROJECT				



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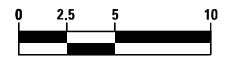
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CONDE STREET



LEGEND

- PR. DETECTABLE WARNINGS
- PR. COMB. CURB AND GUTTER REMOVAL AND REPLACEMENT
- PR. SODDING, SALT TOLERANT



HORIZONTAL SCALE IN FEET

thomas
 service at the highest grade

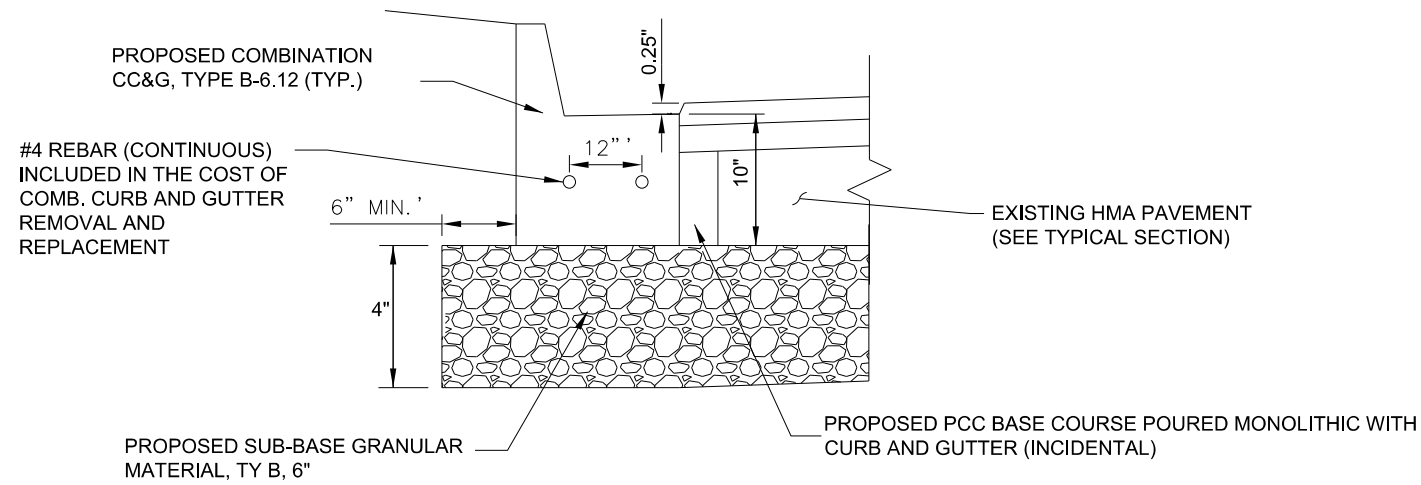
thomas engineering group, llc 762 shoreline drive suite 200 aurora, illinois 60504 phone: 855-533-1700	USER NAME = MJS	DESIGNED -	REVISED
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		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CONDE STREET IMPROVEMENT PROJECT
 SIDEWALK DETAILS**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4080	22-00087-00-R5	DuPAGE	38	27
CONTRACT NO. 61J75				
ILLINOIS FED. AID PROJECT				



DETAIL A: COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12

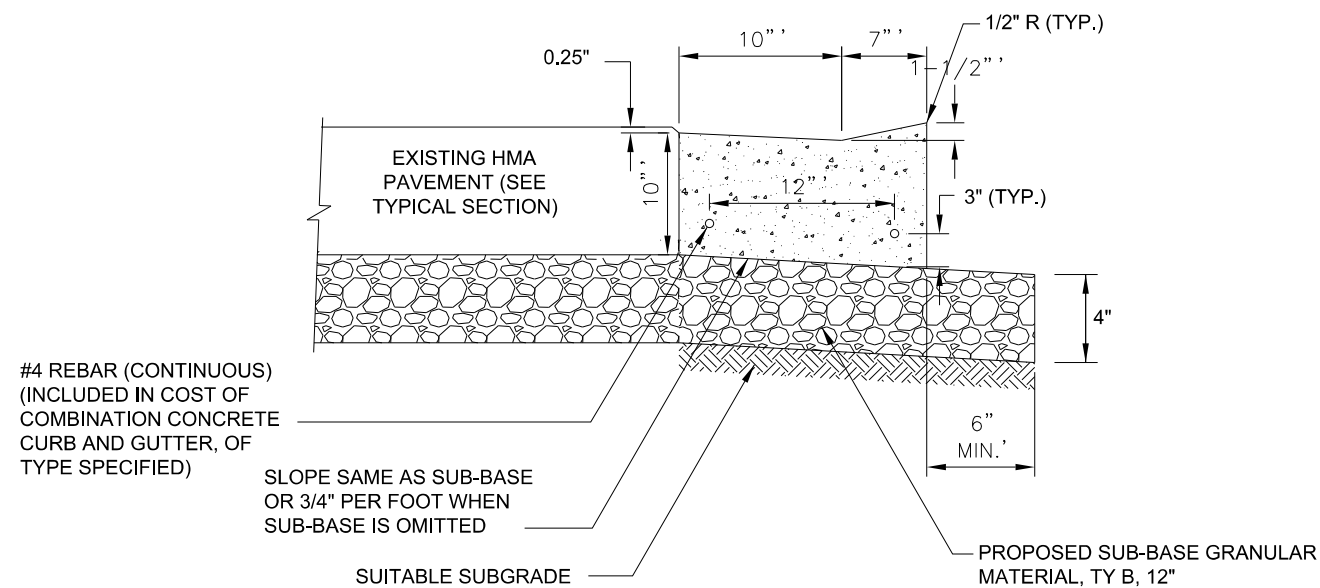
NOT TO SCALE

COMBINATION CONCRETE CURB AND GUTTER REQUIREMENTS

1. TWO NO. 4 REINFORCEMENT BARS SHALL BE INSTALLED CONTINUOUSLY IN ALL CURB AND GUTTER.
2. WHEN CURB AND GUTTER IS CONSTRUCTED ADJACENT TO EXISTING PAVEMENT, THE VERTICAL THICKNESS OF THE GUTTER FLAG SHALL BE 9" OR EQUAL TO THE THICKNESS OF THE ADJACENT PAVEMENT, WHICHEVER IS GREATER. ALSO, TIE BARS SHALL BE OMITTED.
3. DRAINAGE OPENINGS - AT ALL LOCATIONS WHERE METAL CASTINGS ARE TO BE INCORPORATED IN THE CURB AND GUTTER, A 1" THICK PREFORMED JOINT FILLER, CONFORMING TO THE CROSS SECTIONS OF THE CURB AND GUTTER, SHALL BE INSTALLED IN THE CURB AND GUTTER A DISTANCE OF 5FT FROM EACH SIDE OF THE METAL CASTING.
4. TRANSITIONS - THE TRANSITION FROM FULL HEIGHT CURB TO DEPRESSED CURB SHALL BE MADE AT THE RATE OF 2" PER FOOT OF LENGTH OR FLATTER.
5. JOINTS - IN ADDITION TO THE REQUIREMENT OF HIGHWAY STANDARD 606001 AND ARTICLE 606.06 OF THE STANDARD SPECIFICATIONS, JOINTS SHALL BE CONSTRUCTED AS FOLLOWS:

CONSTRUCTION JOINTS AND EXPANSION JOINTS SHALL BE INSTALLED IN THE CURB AND GUTTER IN PROLONGATION WITH JOINTS IN ADJACENT P.C.C. PAVEMENT OR BASE COURSE.

ALL EXPANSION JOINTS SHALL BE PROVIDED WITH A 1 1/4" DIA. X 18" COATED SMOOTH DOWEL BAR CONFORMING TO ARTICLE 1006.11(b) OF THE STANDARD SPECIFICATIONS. THE DOWEL BAR SHALL BE FITTED WITH A CAP HAVING A PINCHED STOP THAT WILL PROVIDE 1" OF EXPANSION.



NOTES:

1. THE TOP OF CURB SHALL BE DEPRESSED WHERE THE CURB AND GUTTER IS CONSTRUCTED ACROSS ALLEYS, DRIVEWAY, AND SIDEWALKS AS DETAILED IN THE PLANS OR WHERE DIRECTED BY THE ENGINEER OR PUBLIC WORKS DEPARTMENT.

DETAIL B: DEPRESSED CURB FOR INTERSECTIONS

NOT TO SCALE

NOTES:

DETECTABLE WARNING TILES SHALL ALIGN WITH THE CROSSWALK STRIPES OR STREET CROSSING. IF FIELD CONDITIONS PROHIBIT THIS, TILE ALIGNMENT SHALL BE AT THE DISCRETION OF THE ENGINEER.

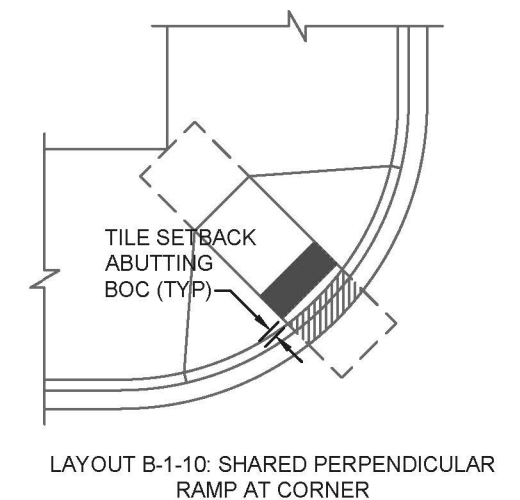
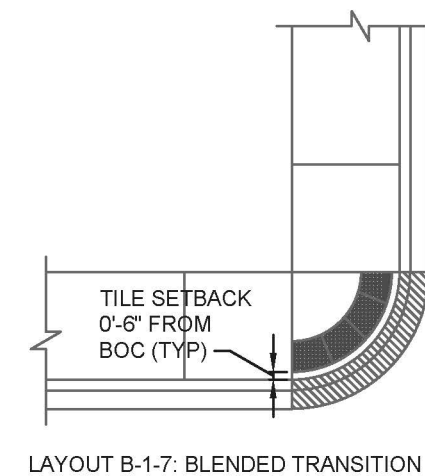
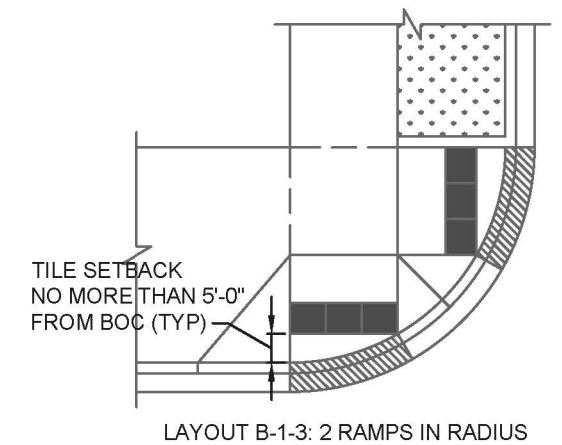
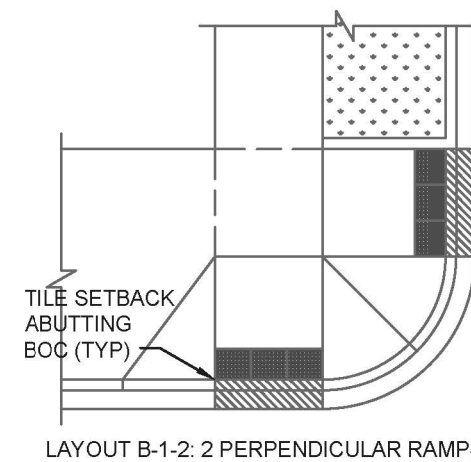
CURB RAMP LAYOUT B-1-2 IS PREFERRED WHENEVER POSSIBLE. WHERE RAMPS ARE LOCATED IN THE CORNER RADIUS, LAYOUT B-1-3 SHALL BE USED.

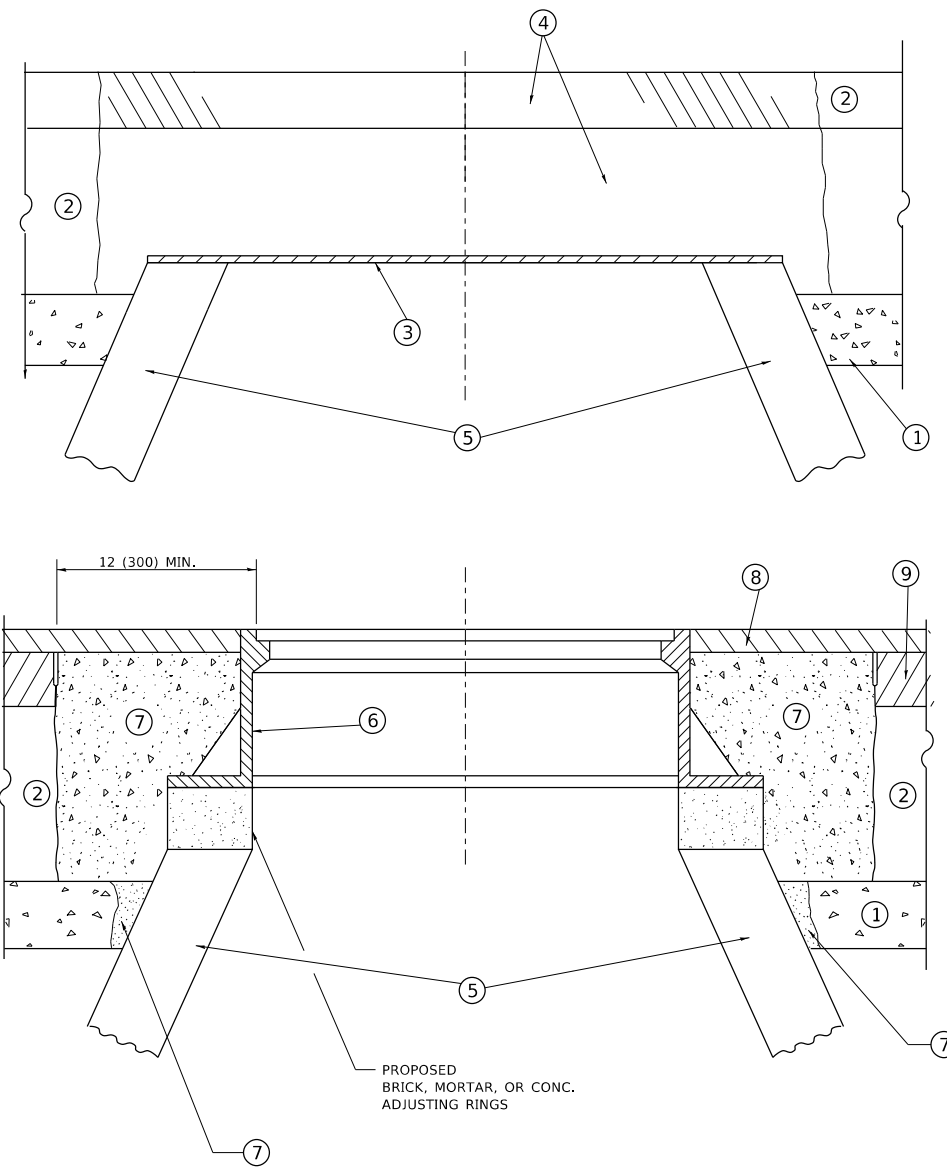
CURB RAMP PLACEMENT SHALL BE COORDINATED AS REQUIRED TO ALLOW FOR A 4' MINIMUM WIDTH SIDEWALK AROUND EACH CORNER OF INTERSECTION. SIDEWALK NOT TO BE OBSTRUCTED BY CURB RAMPS OR OTHER BARRIERS AND SHALL HAVE A CROSS SLOPE OF 1:50 MAXIMUM (2%).

THE BLENDED TRANSITION LAYOUT B-1-7 (AND SIMILAR) MAY BE USED WHERE TWO RAMPS ARE NOT POSSIBLE DUE TO GEOMETRIC CONSTRAINTS SUCH AS LIMITED SIDEWALK WIDTH OR GRADE ELEVATIONS. THE BLENDED TRANSITION SHALL NOT BE USED IF ACCESS TO AN EXISTING FACILITY WOULD BE REDUCED.

THE SHARED PERPENDICULAR RAMP AT CORNER LAYOUT B-1-10 IS NOT PREFERRED AND MAY ONLY BE USED WITH PERMISSION FROM THE ENGINEER.

WHERE APPLICABLE, RADIAL TILES MAY BE REQUIRED. IF USING RADIAL TILES, THE CONTRACTOR SHALL VERIFY THAT THE CURB RADIUS MATCHES THE AVAILABLE TILE RADII WITH THE TILE MANUFACTURER. CONTRACTOR MUST MAKE THIS DETERMINATION AND VERIFY IN THE FIELD.





**DETAILS FOR FRAMES AND LIDS ADJUSTMENT
WITH MILLING**

NOTES

1. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
2. IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.
3. CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
4. THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 1 1/2 (40) HMA TO REMAIN AFTER MILLING).

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS*PP-1 CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

- | | |
|--|-------------------------------|
| ① SUB-BASE GRANULAR MATERIAL | ⑥ FRAME AND LID (SEE NOTES) |
| ② EXISTING PAVEMENT | ⑦ CLASS*PP-1 CONCRETE |
| ③ 36 (900) DIAMETER METAL PLATE | ⑧ PROPOSED HMA SURFACE COURSE |
| ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX | ⑨ PROPOSED HMA BINDER COURSE |
| ⑤ EXISTING STRUCTURE | |

LOCATION OF STRUCTURES

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT

1. REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."
2. THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.
3. NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.
4. WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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USER NAME = Lawrence.DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07
	DRAWN -	REVISED - R. BORO 03-09-11
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 12-06-11
PLOT DATE = 11/18/2022	DATE - 10-25-94	REVISED - K. SMITH 11-18-22

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

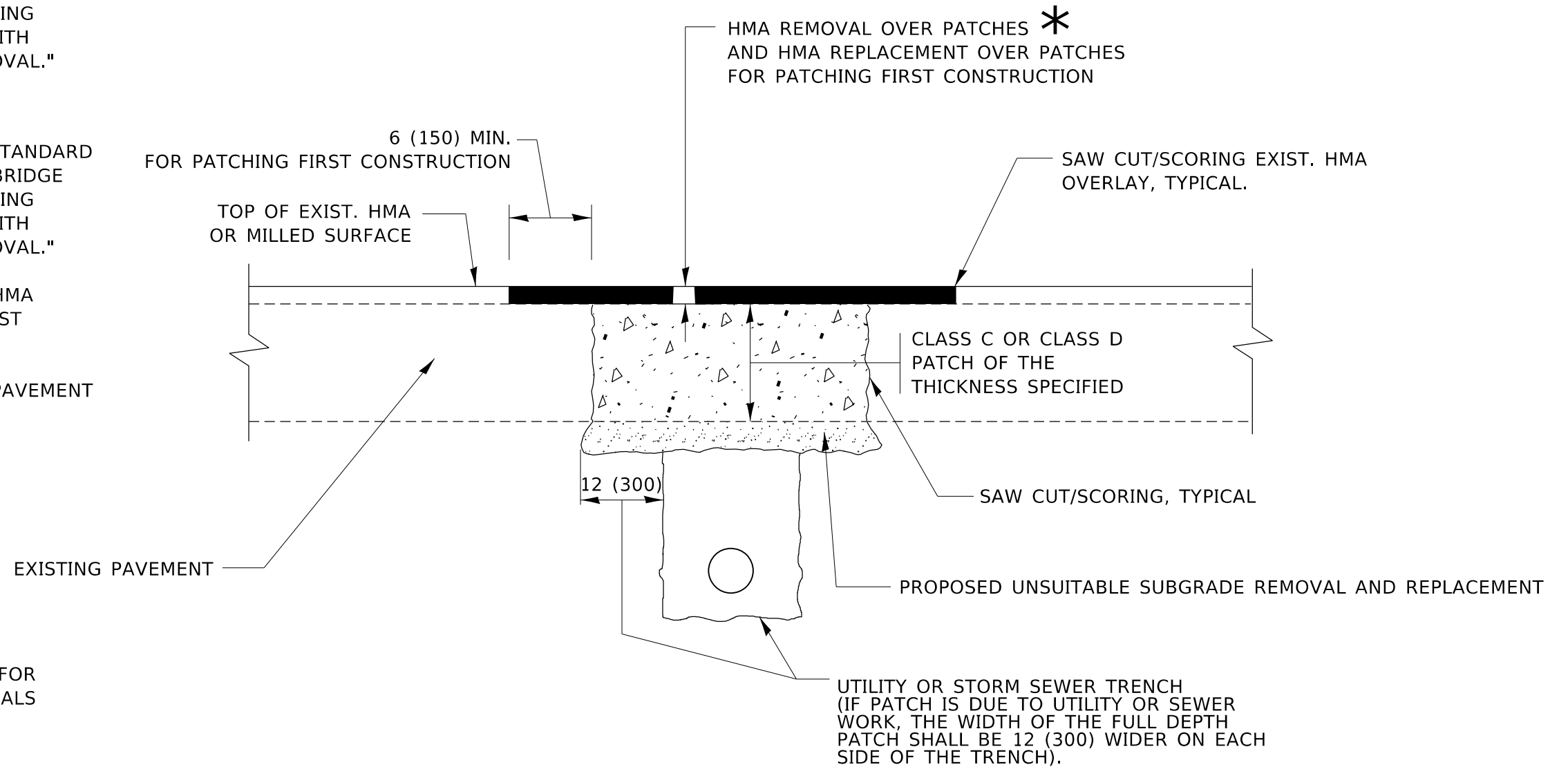
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4080	22-00087-00-RS	DUPAGE	38	29
BD600-03 (BD-08)			CONTRACT NO. 61J75	
ILLINOIS		FED. AID PROJECT		

METHOD OF MEASUREMENT

REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."

BASIS OF PAYMENT

1. REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."
2. SAW CUT/SCORING OF EXISTING HMA OVERLAY IS INCLUDED IN THE COST OF PAVEMENT PATCHING.
3. SAW CUT/SCORING OF EXISTING PAVEMENT IS INCLUDED IN THE COST OF PAVEMENT PATCHING.



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

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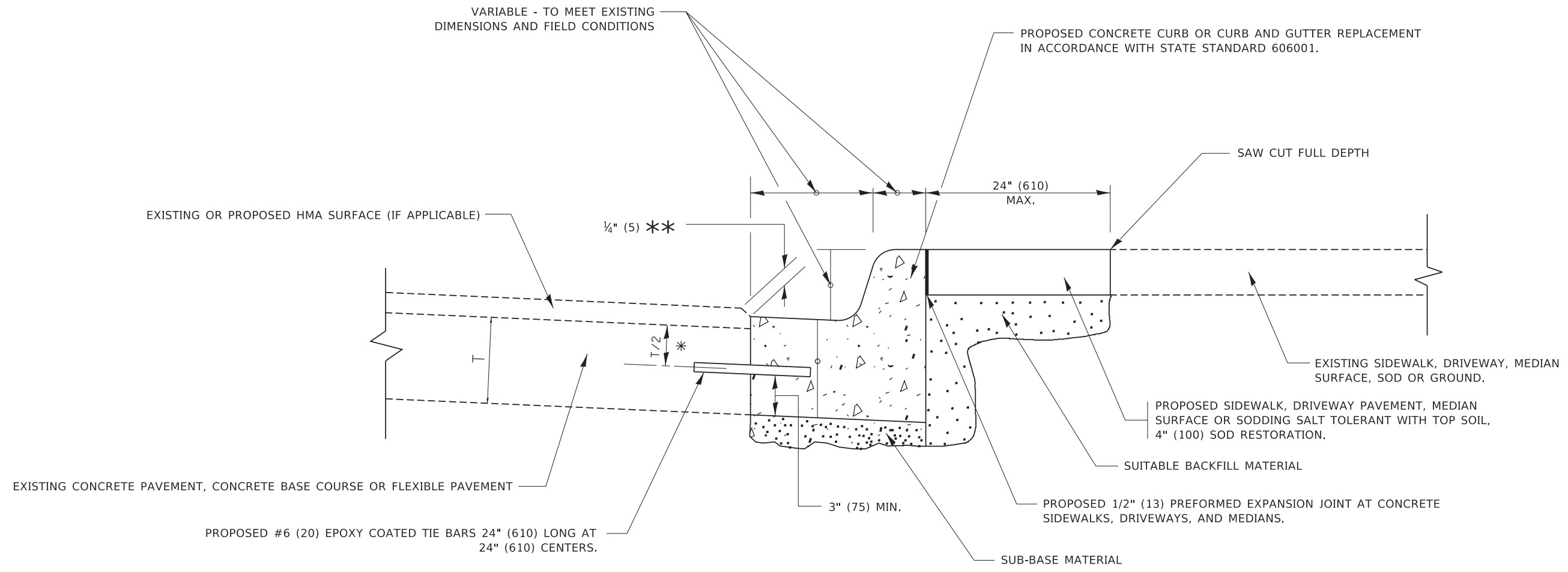
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PLOT DATE = 11/18/2022	DATE - 10-25-94	REVISED - K. ENG 10-27-08
		REVISED - K. SMITH 11-18-22

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4080	22-00087-00-RS	DUPAGE	38	30
BD400-04 (BD-22)			CONTRACT NO. 61J75	
ILLINOIS FED. AID PROJECT				



- * 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- ** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

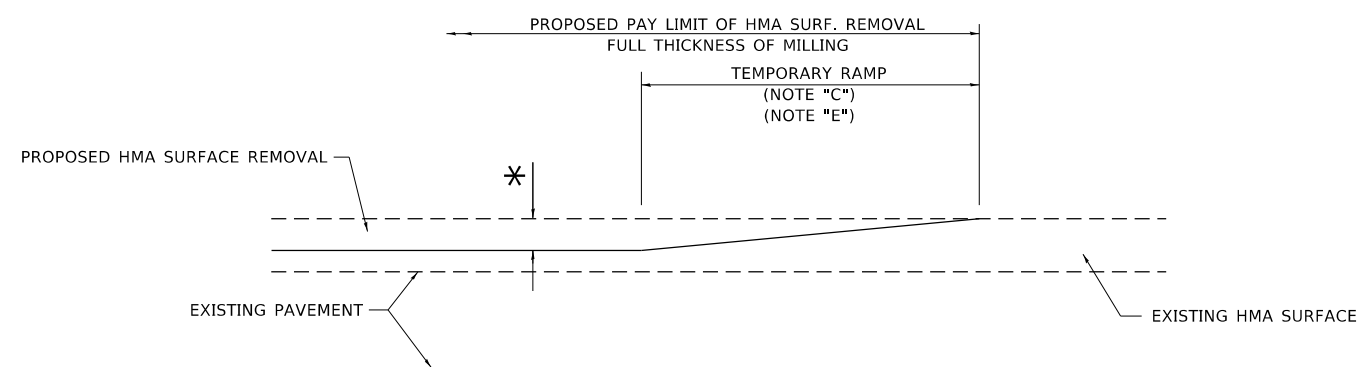
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PLOT DATE = 7/11/2019	DATE - 03-11-94	REVISED - K. SMITH 07-11-19

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

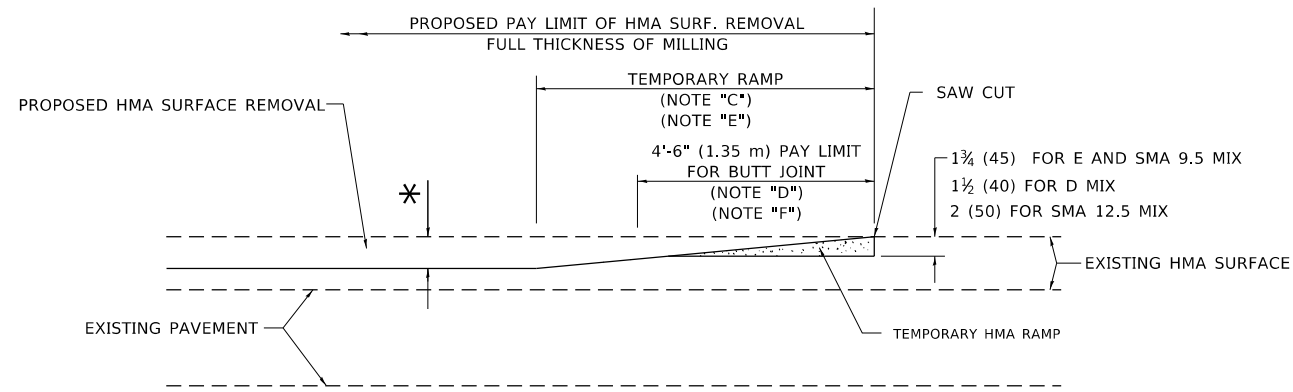
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4080	22-00087-00-RS	DuPage	38	31
BD600-06 (BD-24)			CONTRACT NO. 61J75	
ILLINOIS FED. AID PROJECT				



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

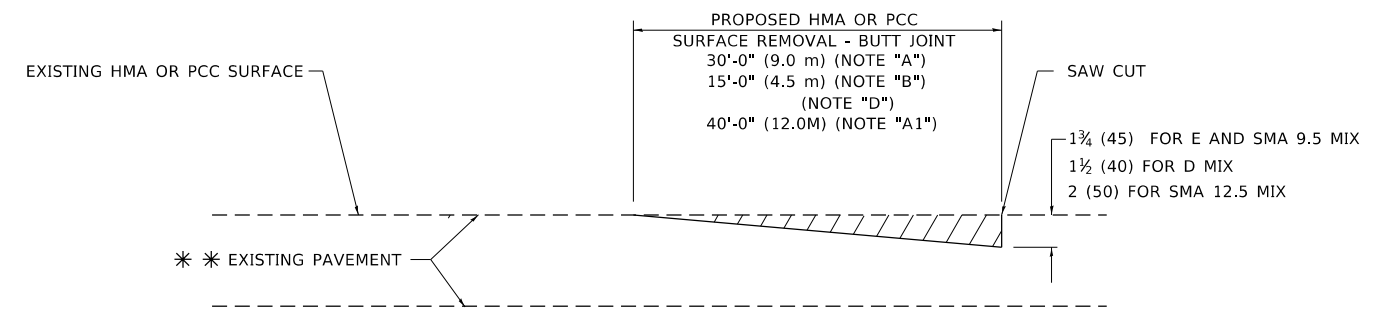


HMA CONSTRUCTED TEMPORARY RAMP

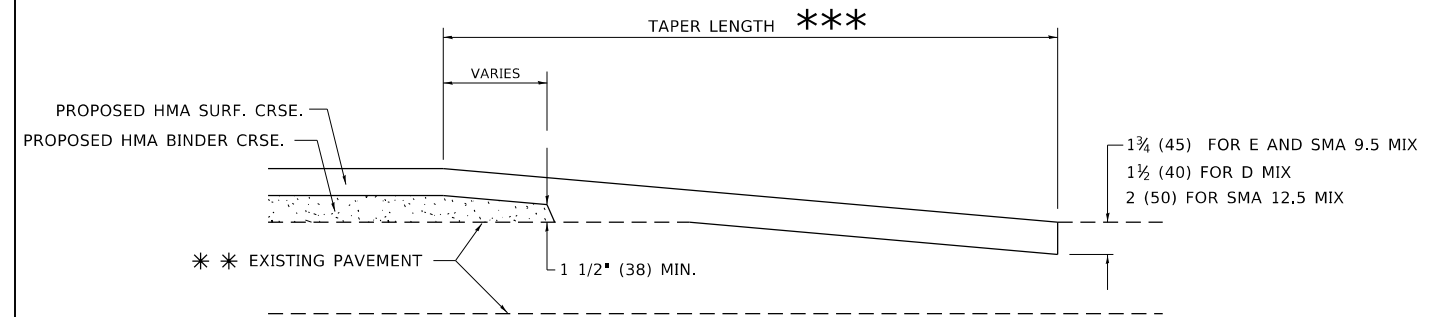
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

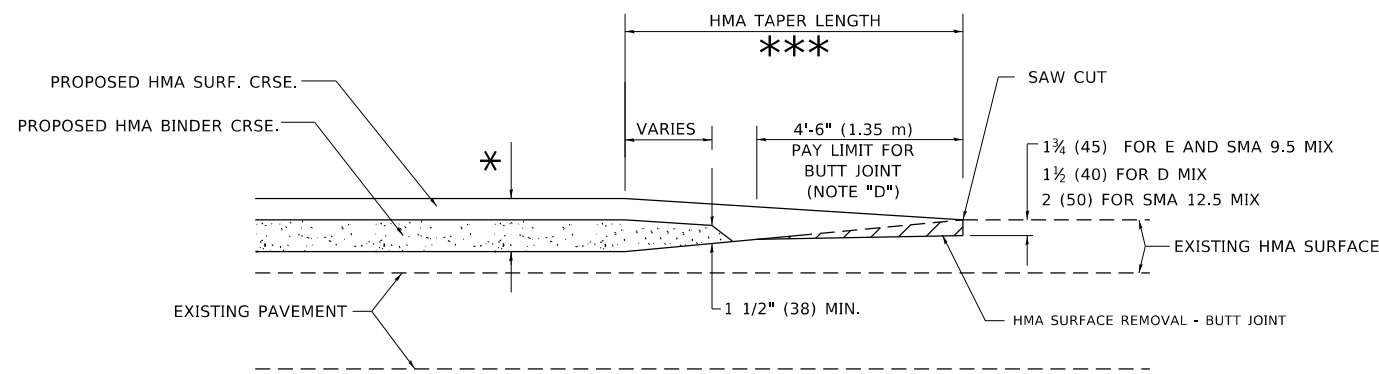
GENERAL NOTES

- A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- A1. INTERSTATES
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE TEMP. RAMP AT A RATE OF 3' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.
* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

- 1. THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".
- 2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

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



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

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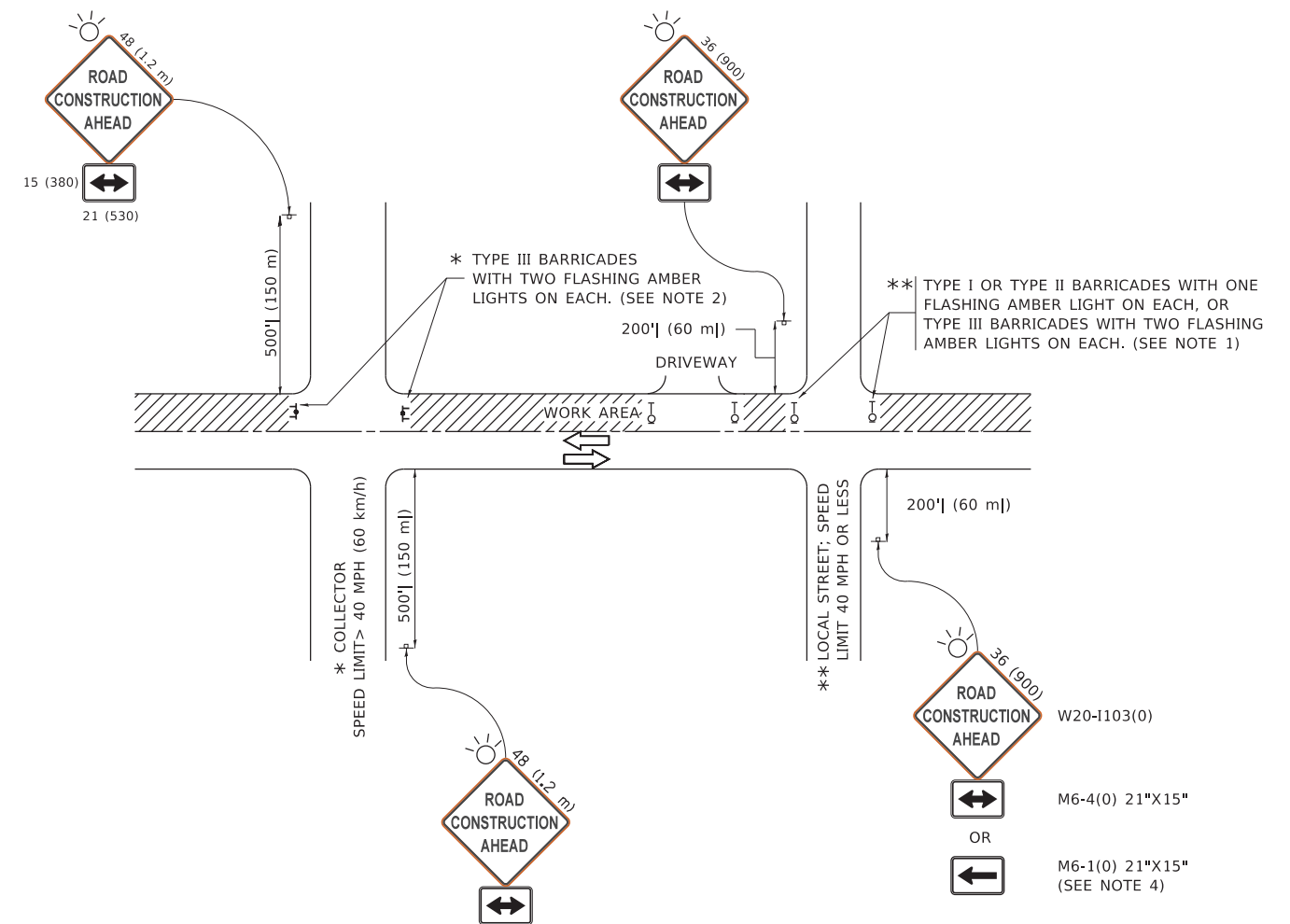
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PLOT DATE = 11/18/2022	DATE - 06-13-90	REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
HMA TAPER DETAILS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4080	22-00087-00-RS	DUPAGE	38	32
BD400-05 BD-32		CONTRACT NO. 61J75		
ILLINOIS FED. AID PROJECT				



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

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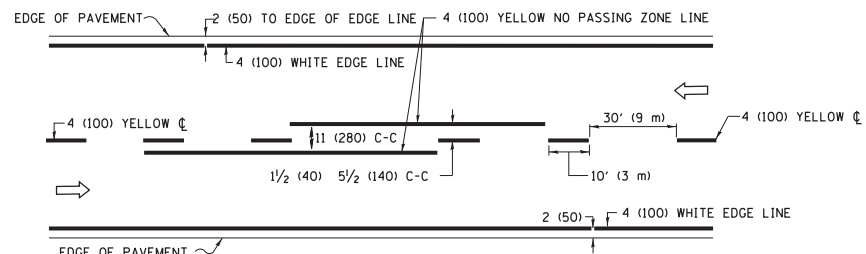
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

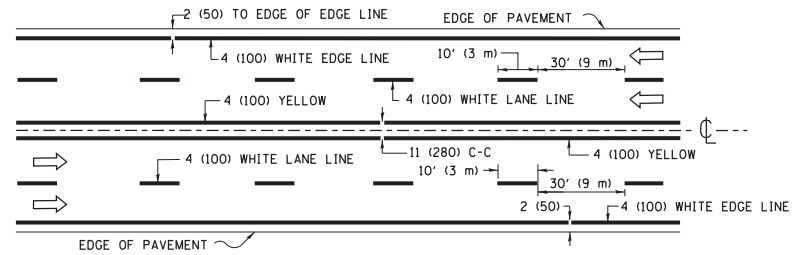
**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

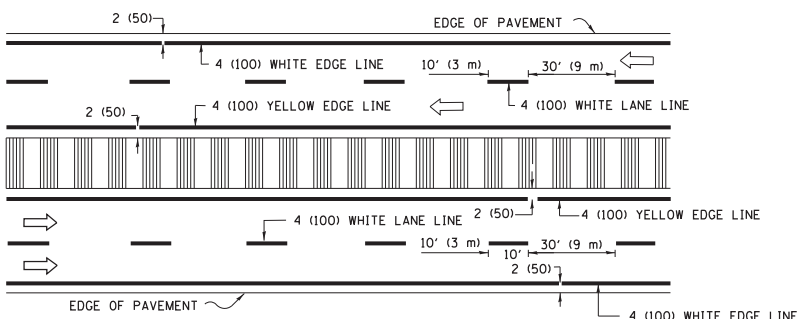
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TC-10			CONTRACT NO. 61J75	
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

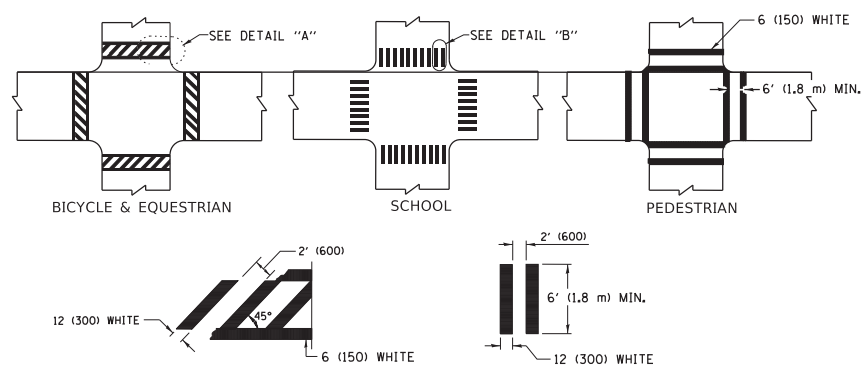


MULTI-LANE UNDIVIDED



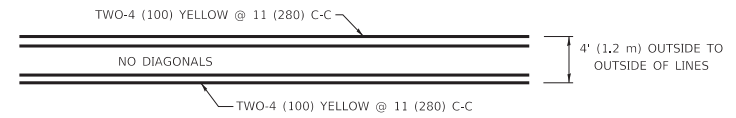
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

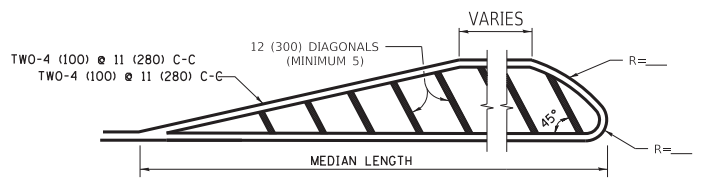


TYPICAL CROSSWALK MARKING

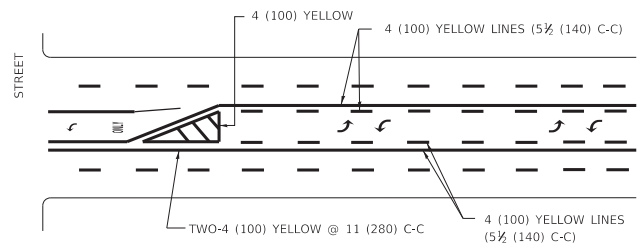
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



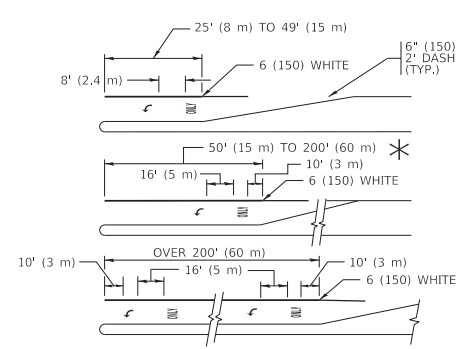
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE

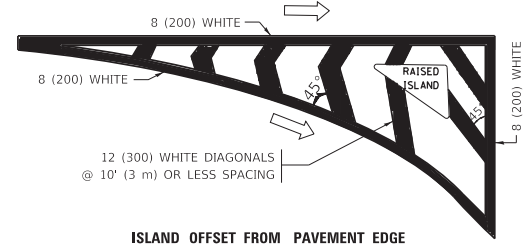


MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING

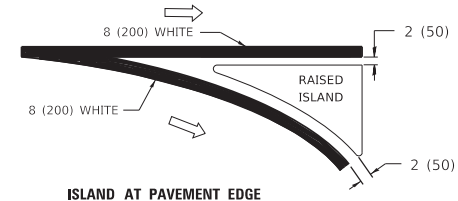


TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING

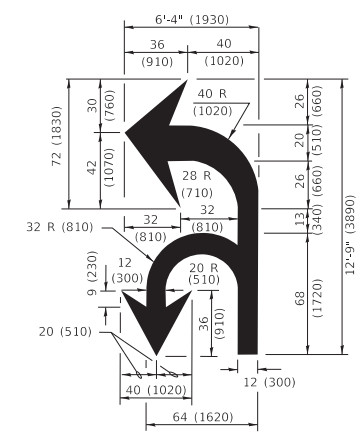
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
 AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
 * TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".



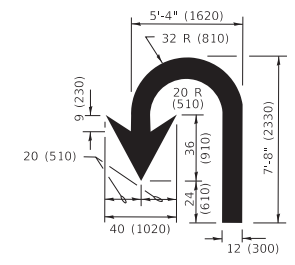
ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

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 1/2 (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 MEDIANS IN YELLOW
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 1/2 (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 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	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))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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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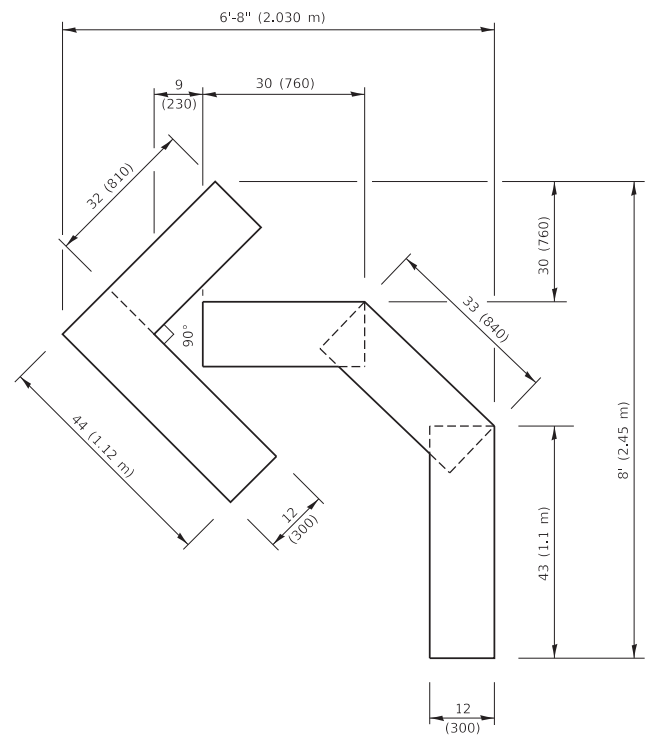
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS

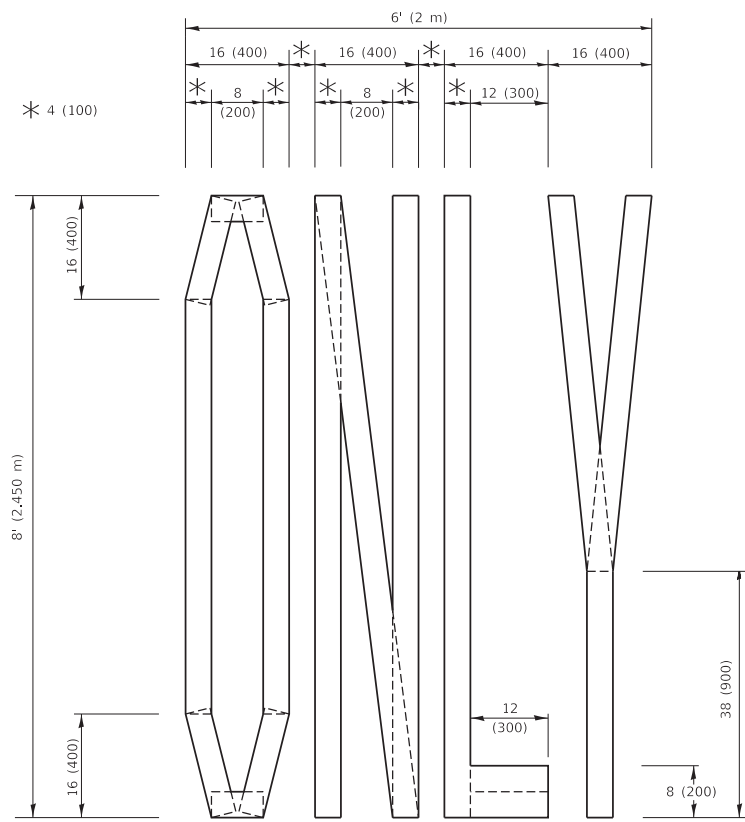
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ILLINOIS		FED. AID PROJECT		



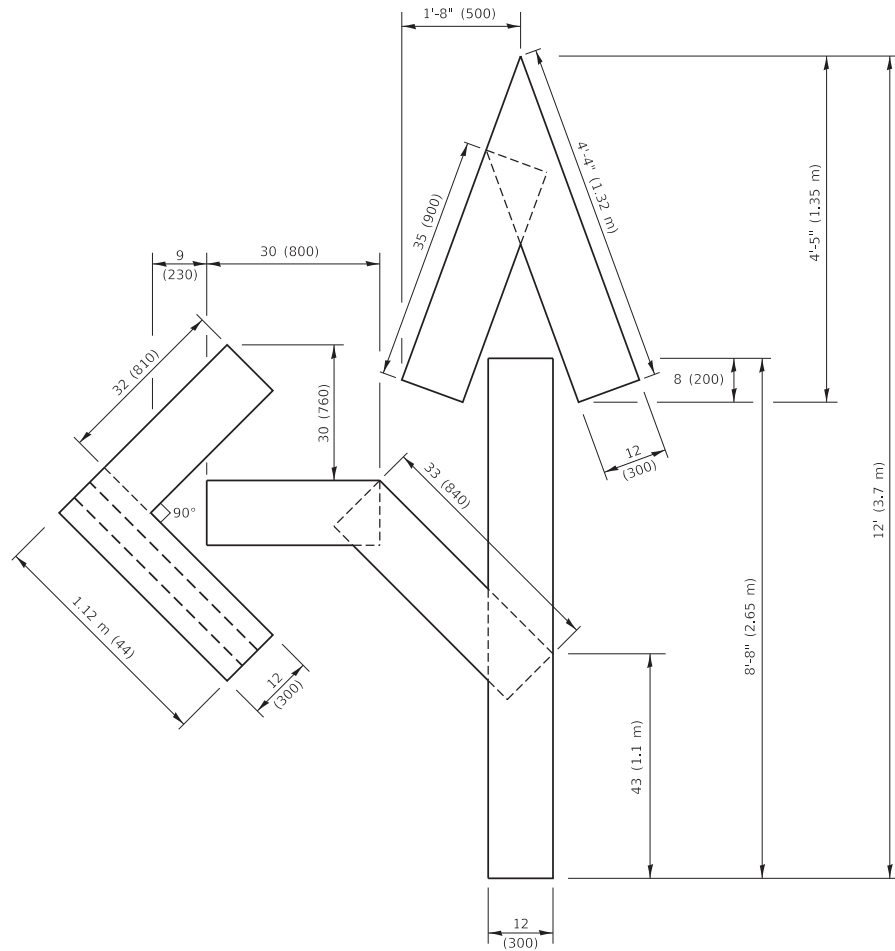
QUANTITY

4 (100) LINE = 45.5 ft. (13.9 m)
15.2 sq. ft. (1.41 sq. m)



QUANTITY

4 (100) LINE = 64.1 ft. (19.5 m)
21.4 sq. ft. (1.99 sq. m)

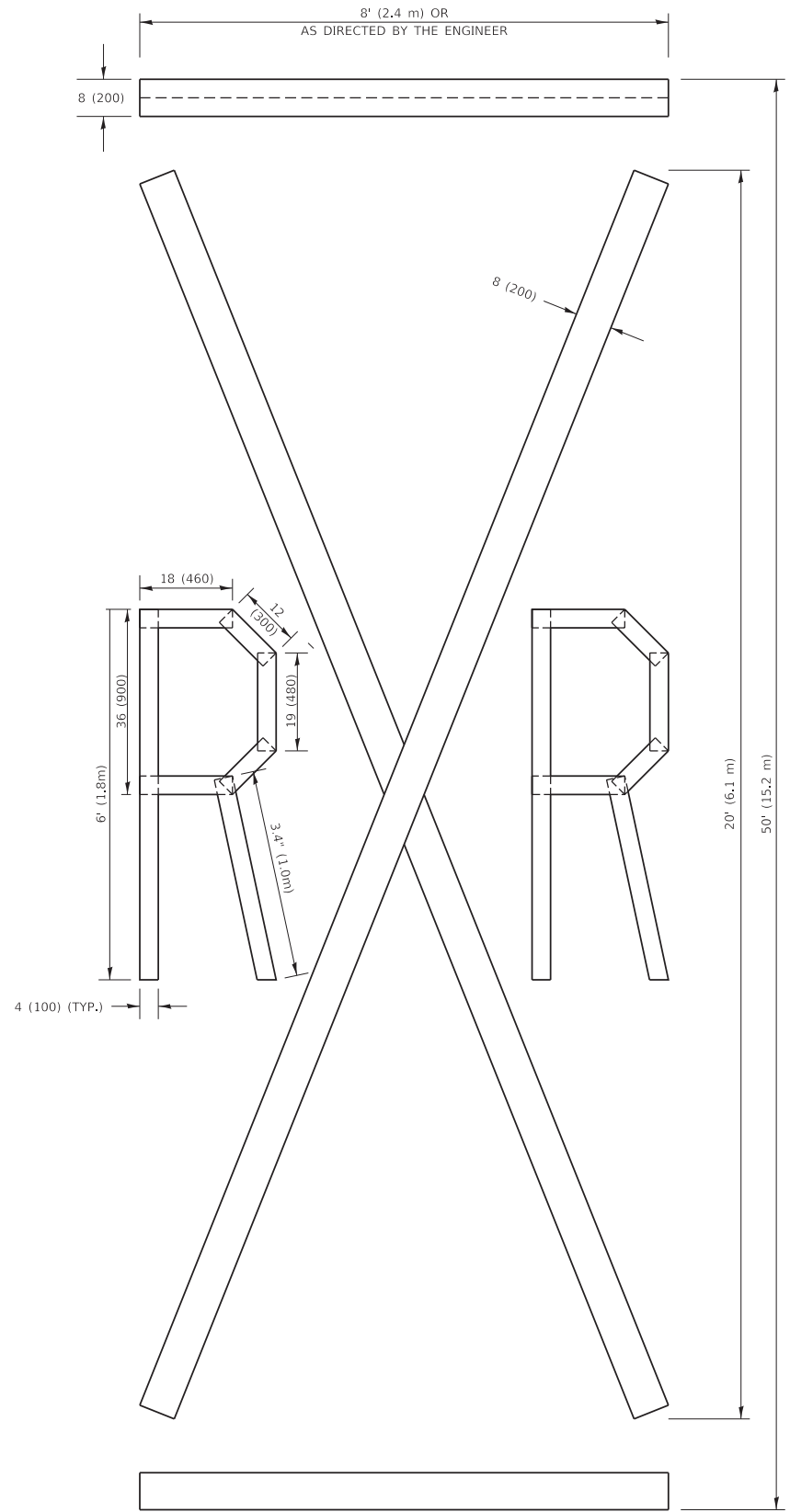


QUANTITY

4 (100) LINE = 82.5 ft. (25.1 m)
27.5 sq. ft. (2.53 sq. m)

NOTE:

ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY

4 (100) LINE = 225.9 ft. (68.9 m)
75.3 sq. ft. (6.99 sq. m)

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

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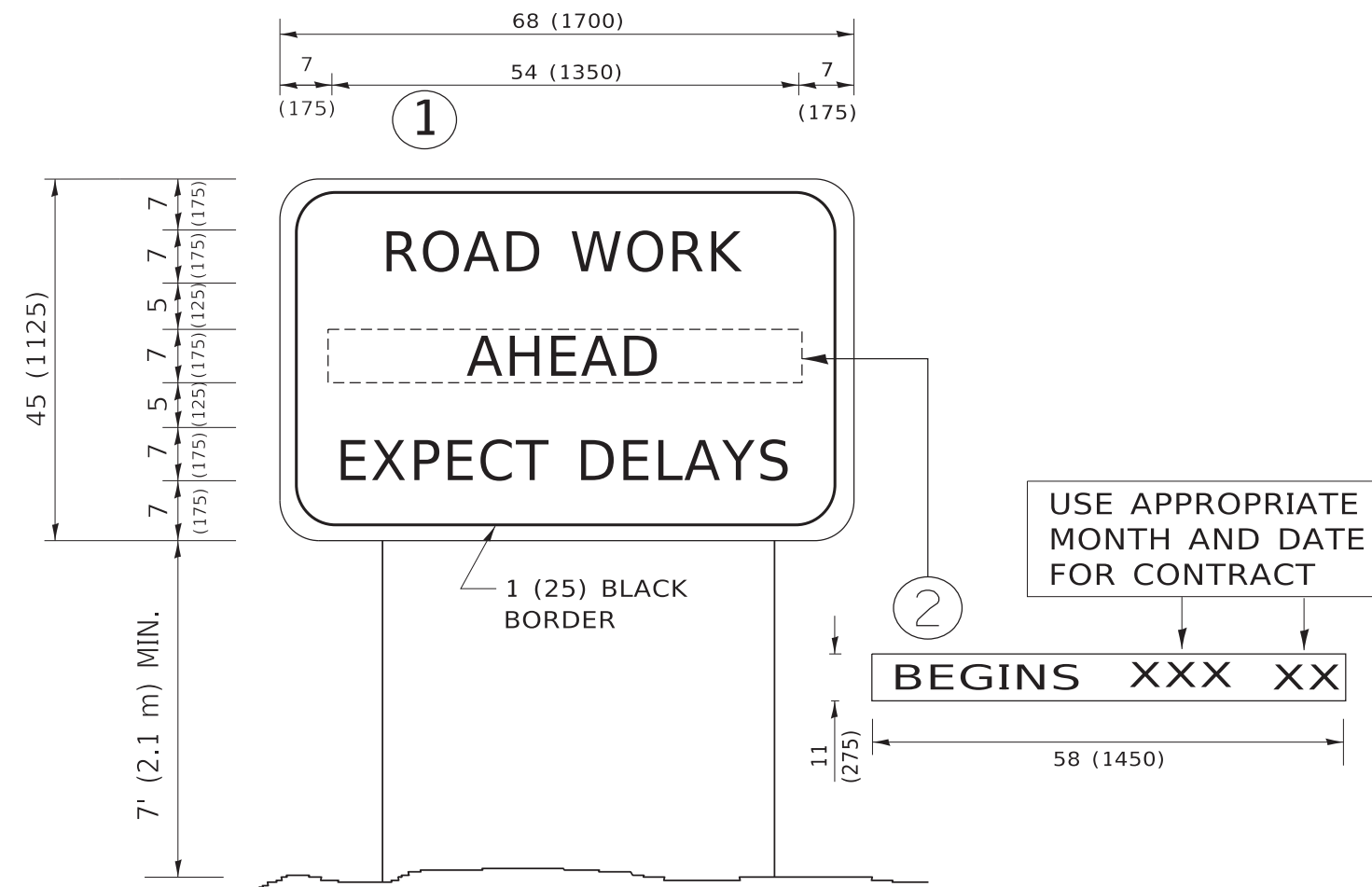
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	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4080	22-00087-00-RS	DuPage	38	35
TC-16			CONTRACT NO. 61J75	
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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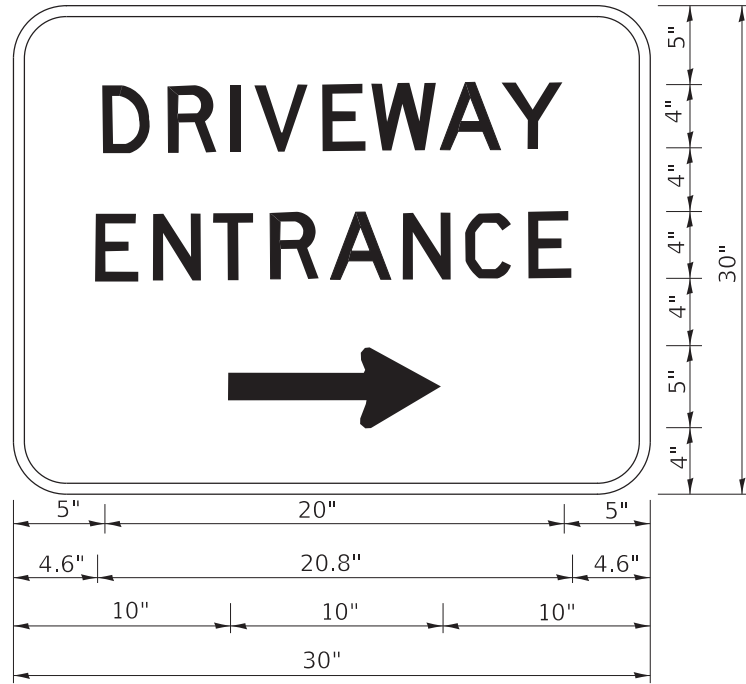
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4080	222-00087-00-RS	DuPage	38	36
TC-22			CONTRACT NO. 61J75	
ILLINOIS FED. AID PROJECT				



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

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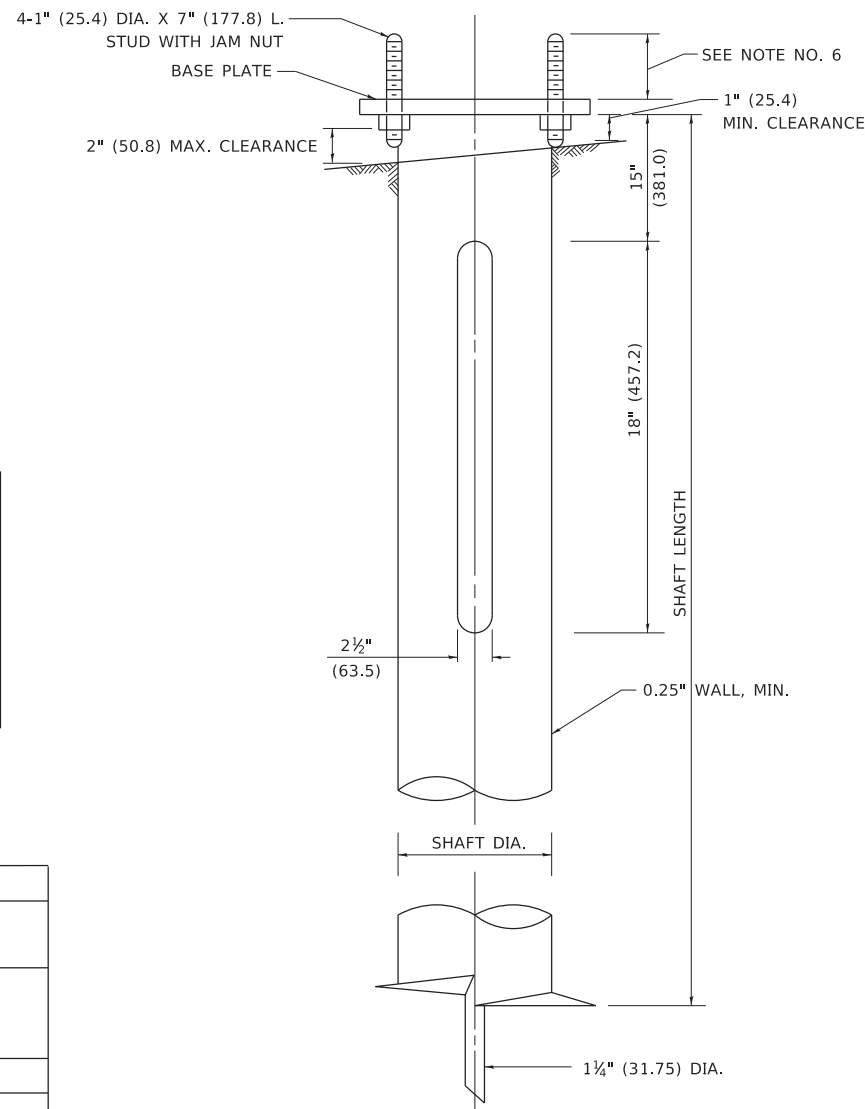
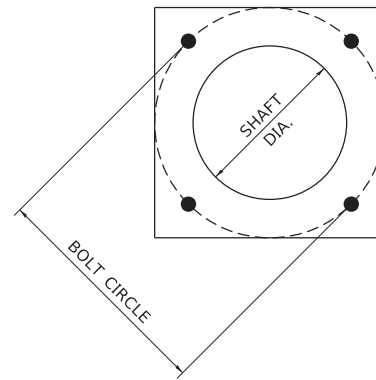
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PLOT DATE = 8/6/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRIVEWAY ENTRANCE SIGNING

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4080	222-00087-00-RS	DuPage	38	37
TC-26			CONTRACT NO. 61J75	
ILLINOIS FED. AID PROJECT				



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 (± 0.188) TO THE SHAFT AXIS.
11. THE PILOT POINT AND SHAFT AXIS SHALL BE CONCENTRIC (± 0.125) AND IN LINE ($\pm 2^\circ$).
12. THE BASEPLATE SHALL BE STAMPED WITH THE MANUFACTURERS NAME AND DATE OF MANUFACTURE.

HELIX FOUNDATION SIZE

POLE MOUNTING HEIGHT	BOLT CIRCLE	SHAFT DIAMETER	SHAFT LENGTH	BASEPLATE
30 FT.	11½"	8⅝"	6 FT.	12"x12"x1"
31 FT.-35 FT.	11½"	8⅝"	6 FT.	12"x12"x1"
36 FT.-40FT.	15"	8⅝"	6 FT.	15"x15"x1¼"
41 FT.-45 FT.	15"	8⅝"	6 FT.	15"x15"x1¼"
46 FT.-50 FT.	15"	10"	8 FT.	15"x15"x1¼"

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)

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