

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	1
		ILLINOIS	CONTRACT NO. 61H26	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

06/17/2022 LETTING ITEM 221

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

PLANS FOR PROPOSED
FEDERAL AID HIGHWAY

FAU 423 (PENFIELD STREET) GOULD STREET TO IL RTE 1 - DIXIE HIGHWAY
RESURFACING AND RECONSTRUCTION

FAU 423 (GOULD STREET) INDIANA AVENUE TO PENFIELD STREET
RESURFACING

SECTION: 15-00020-00-FP
PROJECT: NJW7(438)
VILLAGE OF BEECHER
WILL COUNTY
JOB NO. C-91-456-16



HIGHWAY FUNCTIONAL CLASSIFICATION

PENFIELD STREET: MAJOR COLLECTOR
GOULD STREET: MAJOR COLLECTOR

TRAFFIC DATA

PENFIELD STREET
2019 ADT = 1,400
2040 ADT = 4,000
POSTED SPEED LIMIT = 25 MPH
DESIGN SPEED LIMIT = 30 MPH

GOULD STREET
2019 ADT = 275
POSTED SPEED LIMIT = 25 MPH
DESIGN SPEED LIMIT = 30 MPH

UNION PACIFIC
RAILROAD OMISSION
PENFIELD STREET
STA 12+17.00 TO 12+42.00

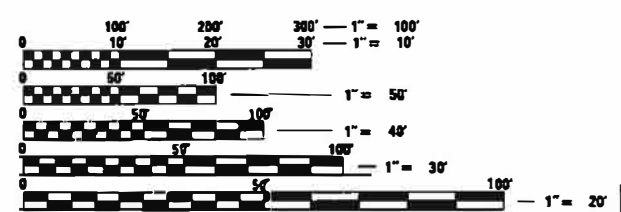
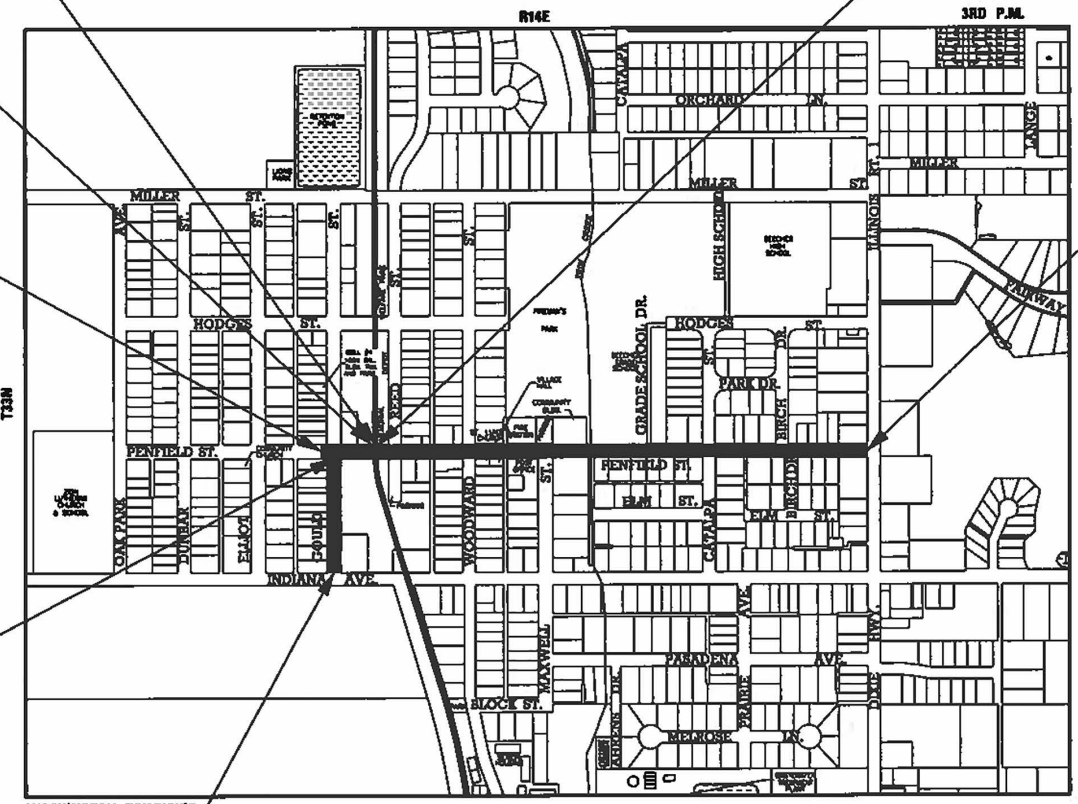
BEGIN RECONSTRUCTION
PENFIELD STREET
STA. 12+42.00

END RESURFACING
PENFIELD STREET
STA. 12+17.00

BEGIN RESURFACING
PENFIELD STREET
STA. 9+51.00

END
RECONSTRUCTION
PENFIELD STREET
STA. 37+62.00

END RESURFACING
GOULD STREET
STA. 26+41.00



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. DESIGN STAGE REQUEST
DIG. No. X0060743

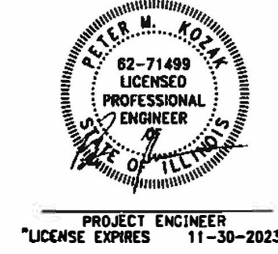
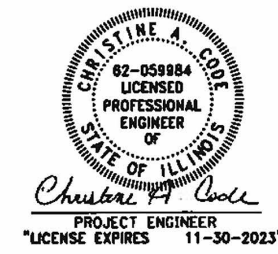
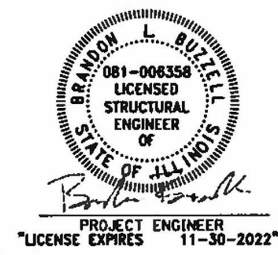


CONTACT JULIE AT 811 OR 800-892-0123
WITH THE FOLLOWING:
COUNTY = WILL
CITY-TWNSHP. = BEECHER-WASHINGTON
SEC. & 1/4 SEC. NO. 16S & 17SE
48 HOURS (2 working days) BEFORE YOU DIG

CONTRACT NO. 61H26

BEGIN RESURFACING
GOULD STREET
STA. 20+38.00

GROSS LENGTH = 3,414.00 FT. = 0.647 MILE
NET LENGTH = 3,389.00 FT. = 0.642 MILE



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED 09-30-21
VILLAGE OF BEECHER VILLAGE ADMINISTRATOR

PASSED Nov. 9, 2021
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW November 10, 2021
REGIONAL ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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

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(BD-07)	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER
(BD-32)	BUTT JOINT AND HMA TAPER DETAILS
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(TC-22)	AERTERIAL ROAD INFORMATION SIGN
(TC-26)	DRIVEWAY ENTRANCE SIGNING

COMMITMENTS

NONE

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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USER NAME = ccode	DESIGNED - CAC	REVISED -
	DRAWN - KAR	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - TMS	REVISED -
PLOT DATE = 11/4/2021	DATE - 11-03-21	FILE - 130899-SS4-SHT-GenNotes.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INDEX OF SHEETS, HIGHWAY STANDARDS AND COMMITMENTS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	2
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H26	
ILLINOIS			FED. AID PROJECT NIW7(436)	

GENERAL NOTES

1. ALL REFERENCES TO "STANDARD SPECIFICATIONS" IN THESE GENERAL NOTES SHALL BE INTERPRETED TO MEAN "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION, JANUARY 1, 2022. ALL WORK TO BE COMPLETED IN ACCORDANCE WITH THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED JANUARY 1, 2022, THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", THE "MANUAL OF TEST PROCEDURES FOR MATERIALS", AND THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS". ANY REFERENCE TO "STANDARDS" THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST STANDARDS.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS PRIOR TO BIDDING ON THE PROJECT.
3. ALL ELEVATIONS SHOWN ON THE PLANS ARE ON THE NAVD88 DATUM.
4. SAW CUTTING WILL BE REQUIRED FOR ALL REMOVAL ITEMS AND SHALL BE TO FULL DEPTH AND SHALL RESULT IN A CLEAN STRAIGHT EDGE IN THE PORTION REMAINING.
5. THE ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADES OR PROPOSED SIDEWALK, UNLESS OTHERWISE NOTED.
6. THE LOCATIONS OF PUBLIC UTILITIES SHOWN ON THE PLANS REPRESENTS ONLY THE OPINION OF THE OWNER AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE BIDDER AND THE ACCURACY IS NOT GUARANTEED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES, INCLUDING SPRINKLER SYSTEMS, EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS.
7. THE CONTRACTOR SHALL NOTIFY THE VILLAGE OF BEECHER PUBLIC WORKS DEPARTMENT AT 1-708-946-2261 AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK TO OBTAIN VILLAGE UTILITY LOCATIONS.
8. THE CONTRACTOR MAY OBTAIN MUNICIPAL WATER IN BULK, AT NO CHARGE, AS LONG AS THERE IS NOT A "WATERING BAN" IN EFFECT. THE INDISCRIMINATE USE OF FIRE HYDRANTS IS STRICTLY PROHIBITED. WATER FOR CONSTRUCTION SHALL BE METERED OR OTHERWISE ACCOUNTED FOR AND A DAILY LOG MAINTAINED. THE CONTRACTOR SHALL PROVIDE THE WATER TRUCK AND DRIVER REQUIRED TO OBTAIN AND TRANSPORT THIS WATER. THE VILLAGE RESERVES THE RIGHT TO RESTRICT OR REFUSE THE USE OF VILLAGE WATER IF DEEMED NECESSARY.
9. ACCESS TO PRIVATE DRIVEWAYS SHALL BE PROVIDED AT ALL TIMES EXCEPT DURING ACTUAL CONSTRUCTION ADJACENT THERE TO. TEMPORARY RAMPS SHALL BE CONSTRUCTED AS NEEDED TO PROVIDE SUCH ACCESS, UTILIZING CRUSHED STONE OR CRUSHED GRAVEL AS TEMPORARY ACCESS.
10. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER, RESIDENTS AND THE VILLAGE WHEN ACCESS TO DRIVEWAYS WILL BE TEMPORARILY CLOSED DUE TO CURB AND GUTTER AND/OR DRIVEWAY REPLACEMENT. THE CONTRACTOR SHALL DISTRIBUTE NOTICES PROVIDED BY THE ENGINEER TO RESIDENTS AT LEAST 24 HOURS PRIOR TO PLANNED CLOSURE. EVERY EFFORT SHALL BE MADE TO ACCOMMODATE ACCESS TO THESE PROPERTIES INCLUDING KNOCKING ON DOORS WHEN DRIVEWAYS ARE ABOUT TO BE CLOSED.
11. PORTLAND CEMENT CONCRETE SIDEWALK SHALL BE THICKENED TO 6-INCHES (PRIVATE ENTRANCE) OR 8-INCHES (COMMERCIAL ENTRANCE) AT LOCATIONS WHERE THE SIDEWALK CROSSES DRIVEWAYS. TRANSVERSE EXPANSION JOINTS 3/4" SHALL BE PLACED EVERY 50 FEET OR AS DETERMINED BY THE ENGINEER. TRANSVERSE CONTRACTION JOINTS SHALL BE PLACED EVERY 5- FEET.
12. THE CONTRACTOR SHALL CONTACT THE LOCAL AGENCY MATERIAL INSPECTOR AT LEAST 48 HOURS PRIOR TO ANY CONCRETE OR HOT-MIX ASPHALT MATERIAL DELIVERIES.
13. THE CURB SHALL BE TAPERED TO THE GUTTER IN A FIVE (5) FOOT LENGTH WHEREVER THE CURB AND GUTTER TERMINATES, WITH AN EXPANSION JOINT PLACED AT THE START OF THE TAPER.
14. TRENCH BACKFILL FOR THIS PROJECT SHALL CONSIST OF CRUSHED CA-6 AND SHALL BE COMPACTED BY METHOD 1 ONLY.
15. PRIOR TO CONSTRUCTION OF ANY PROPOSED UTILITIES, THE CONTRACTOR SHALL EXCAVATE AND LOCATE THE EXISTING UTILITIES TO VERIFY THEIR LOCATION, SIZE, AND DEPTH TO INSURE THAT GRADE CONFLICTS WILL NOT OCCUR.
16. STORM STRUCTURE OFFSET LOCATIONS ARE TO THE EDGE OF PAVEMENT IF THE STRUCTURE IS IN THE CURB LINE OR TO THE CENTER OF STRUCTURE IF THE STRUCTURE IS NOT IN THE CURBLINE.
17. FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES ON ALL NEW STRUCTURES SHALL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED.
18. DURING CONSTRUCTION OPERATIONS, IF ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE FREE FROM DUST AND DEBRIS. THE CONTRACTOR'S FAILURE TO PROVIDE THE ABOVE WILL PRECLUDE ANY POSSIBLE ADDED COMPENSATION REQUESTED DUE TO DELAYS OF UNSUITABLE MATERIALS CREATED AS A RESULT THEREOF.
19. ALL TREES ARE DESIGNATED TO BE SAVED UNLESS OTHERWISE NOTED ON THE PLANS, AND SHALL BE PROTECTED IN ACCORDANCE WITH THE PROVISIONS OF ARTICLE 201.05 OF THE STANDARD SPECIFICATIONS.
20. THE PRESERVATION OF EXISTING TREES IS OF THE UTMOST IMPORTANCE TO THE VILLAGE. ALL TREE PROTECTION, TREE REMOVAL, TREE PRUNING AND ROOT PRUNING SHALL BE COMPLETED BEFORE CONSTRUCTION OPERATIONS COMMENCE IN ANY AREAS. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DETERMINED BY THE ENGINEER.
21. THE CONTRACTOR SHALL MARK ALL TREES TO BE REMOVED IN A MANNER MEETING THE APPROVAL OF THE ENGINEER PRIOR TO THE START OF REMOVAL OPERATIONS. ALL TREES TO BE REMOVED SHALL BE APPROVED BY THE ENGINEER PRIOR TO REMOVAL.
22. DURING CONSTRUCTION, THE CONTRACTOR WILL BE PERMITTED TO LIMIT ON-STREET PARKING IN ORDER TO COMPLETE CONSTRUCTION OPERATIONS. THE CONTRACTOR WILL BE REQUIRED TO COORDINATE WITH THE MUNICIPALITY A MINIMUM OF 48 HOURS IN ADVANCE. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PLACE ADVANCE SIGNS TO ALERT RESIDENTS AND COMMUTERS OF THE CONSTRUCTION WORK. THE PLACEMENT OF THESE SIGNS SHALL TAKE PLACE 48 HOURS IN ADVANCE IN ORDER TO ALLOW SUFFICIENT TIME FOR RESIDENTS AND GENERAL PUBLIC TO REVISE THEIR PARKING PATTERNS.
23. 10 FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER TO EXISTING CURB AND GUTTER IN THE FIELD, UNLESS OTHERWISE SHOWN.
24. MATERIALS RESULTING FROM THE REMOVAL OF PAVEMENT, DRIVEWAYS, CURB AND GUTTER, HOT-MIX ASPHALT SURFACES, ETC. SHALL BE REMOVED AT THE END OF EACH DAY TO AN APPROVED SITE. IN THE JUDGMENT OF THE ENGINEER, SHOULD IT BE NECESSARY TO REMOVE SUCH MATERIALS, THE ENGINEER WILL HAVE THE MATERIAL REMOVED AND THE CONTRACTOR WILL BE BILLED (CHARGED) ACCORDINGLY.
25. CURB AND GUTTER SHALL BE DEPRESSED AT DRIVEWAYS AND SIDEWALK RAMPS IN ACCORDANCE WITH THE IDOT HIGHWAY STANDARDS. SIDEWALK RAMPS FOR ACCESS FOR THE DISABLED SHALL BE PROVIDED AT THE PROPOSED CROSSWALKS IN ACCORDANCE WITH THE IDOT HIGHWAY STANDARDS OR AS DETERMINED BY THE ENGINEER.
26. ANY DAMAGE TO PAVEMENT, SIDEWALK, CURB OR ANY OTHER PORTION OF THE ROADWAY NOT SPECIFICALLY TO BE REMOVED AND REPLACED SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR.
27. FRAMES, LIDS, GRATES, VALVES, FIRE HYDRANTS, ETC WHICH ARE TO BE ABANDONED OR REPLACED IN THIS PROJECT SHALL BE SALVAGED AND REMAIN PROPERTY OF THE VILLAGE OF BEECHER. THE CONTRACTOR SHALL COORDINATE DELIVERY OR PICK UP OF THESE ITEMS WITH THE ENGINEER.
28. AN IEPA FORM LPC-663 HAS BEEN PROVIDED BY THE VILLAGE AND IS INCLUDED IN THE SPECIAL PROVISIONS.
29. THE CONTRACTOR SHALL CONTACT THE IDOT TRAFFIC CONTROL SUPERVISOR AT kalpana.kannan-hosadurga@illinois.gov 72 HOURS IN ADVANCE OF BEGINNING WORK.
30. THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.
31. ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACED AS DIRECT BY THE ENGINEER AT CONTRACTOR EXPENSE.
32. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO COORDINATE WITH THE UNION PACIFIC RAILROAD WHENEVER CONSTRUCTION ACTIVITY IS WITHIN 25 FEET OF THE RAILROAD ROW. THE CONTRACTOR SHALL RETAIN FLAGMEN EMPLOYED AND DESIGNATED BY THE UNION PACIFIC RAILROAD TO MONITOR ON-COMING TRAIN TRAFFIC AND ADVISE CONTRACTOR PERSONNEL WHEN ACTIVITY ON OR NEAR THE RAILROAD RIGHT-OF-WAY MAY PROCEED. THIS ITEM WILL BE PAID FOR ACCORDING TO ARTICLE 107.12 AND WILL BE REIMBURSED ACCORDING TO ARTICLE 109.05.
33. ALL TOPSOIL THAT IS STRIPPED SHALL BE STOCKPILED, SORTED, AND REUSED FOR THE PROPOSED LANDSCAPING IMPROVEMENTS. FOR ESTIMATING PURPOSES THE TOPSOIL STRIPPING DEPTH OF 6 INCHES SHOULD BE USED. THE ACTUAL REMOVAL DEPTH AND THE QUANTITY OF TOPSOIL REMOVAL SHOULD BE VERIFIED IN THE FIELD.
34. TRIM CREEK IS A FACILITY OF DRAINAGE DISTRICT #3 OF WASHINGTON TOWNSHIP, WILL COUNTY, ILLINOIS.
35. THE 12-INCH DIAMETER CORRUGATED METAL PIPE SOUTHWESTERLY OF THE PROPOSED BOX CULVERT (STRUCTURE NO. 099-6151) SHOULD BE PROTECTED FROM DAMAGE FROM CONSTRUCTION ACTIVITIES.
36. THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER LIFT SHALL BE CS 1 OR RR 1.

WATER MAIN GENERAL NOTES

1. WATER MAINS TO BE INSTALLED WITH A MINIMUM OF 5.5 FEET OF COVER UNLESS OTHERWISE SHOWN ON DRAWINGS.
2. THE EXISTING UNDERGROUND FACILITIES SHOWN ON THE DRAWINGS ARE BASED ON INFORMATION PROVIDED BY OWNERS OF SUCH FACILITIES AND ARE NOT NECESSARILY COMPLETE OR ACCURATE. CONTACT J.U.L.I.E. AND THE VILLAGE OF BEECHER PUBLIC WORKS DEPARTMENT (708) 946-2261 FOR UTILITY LOCATES A MINIMUM OF 2 WORKING DAYS PRIOR TO EXCAVATION. CONTRACTOR SHALL VERIFY ALL UTILITIES PRIOR TO ONSET OF CONSTRUCTION.
3. THE CONTRACTOR SHALL NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN PROPOSED WATER MAIN LOCATION AND EXISTING UTILITIES 2 WORKING DAYS PRIOR TO INSTALLATION OF WATER MAIN.
4. THE CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES TO SUPPORT, PROTECT, OR REMOVE AND REPLACE ALL POLES OR POLE ANCHORS AFFECTED BY CONSTRUCTION, EVEN WHERE SUPPORT IS NOT INDICATED ON PLAN SHEETS.
5. THE CONTRACTOR SHALL MINIMIZE SURFACE DISTURBANCE FROM THE CONSTRUCTION ACTIVITIES ACROSS PRIVATE PROPERTY.
5. IF TRENCH DEWATERING IS REQUIRED, THE CONTRACTOR SHALL PROTECT ADJOINING PROPERTIES AND DISCHARGE LOCATIONS FROM EROSION. USE SILT BAGS ON DISCHARGE HOSES FOR SEDIMENTATION CONTROL.
7. CONTRACTOR IS REQUIRED TO MEET PRESSURE TESTING REQUIREMENTS FOR ALL NEW WATER MAINS REGARDLESS OF CONDITION OF EXISTING VALVES. PROVIDE TEMPORARY PLUGS AND BLOCKING AT CONNECTION POINTS IF NECESSARY TO MEET TESTING REQUIREMENTS. PROVIDE SMITH BLAIR MODEL 372, CASCADE WATERWORKS, OR MCWANE DUCTILE FOR ALL PRESSURE TAPS REQUIRED DURING WATER MAIN TESTING. DO NOT TEST AGAINST EXISTING VALVES.
3. PROVIDE RESTRAINED JOINT TYPE PIPE WHERE SHOWN ON THE DRAWINGS, OR WHERE INDICATED BY THE DESIGNATION (R.J.T.). ALL FITTINGS, VALVES, AND FIRE HYDRANTS ARE REQUIRED TO BE RESTRAINED JOINT TYPE (R.J.T.)
3. ALL REMOVED MANHOLE FRAMES, WATER VALVE BOXES, FIRE HYDRANTS, ETC. ARE TO BE DELIVERED TO THE BEECHER PUBLIC WORKS DEPARTMENT.
10. EXISTING WATER SERVICE LOCATIONS ARE APPROXIMATE ONLY. EXPLORATORY EXCAVATION IS REQUIRED TO DETERMINE EXACT LOCATION (PAID FOR AS EXPLORATION TRENCH, SPECIAL).
11. PROVIDE ALL FITTINGS AND ADAPTERS TO CONNECT NEW 1-INCH CURB STOP TO EXISTING 3/4-INCH OR 1-INCH SERVICE PIPE. PROVIDE NEW CURB STOPS, CORPORATION STOPS AND SERVICES BOXES. TYPICAL FOR ALL WATER SERVICE CONNECTIONS, UNLESS OTHERWISE NOTED. REMOVE AND DISPOSE EXISTING SERVICE BOXES.
12. NO RESIDENCE MAY BE WITHOUT WATER FOR MORE THAN TWO HOURS; 48 HOURS NOTICE MUST BE GIVEN TO RESIDENCE PRIOR TO WATER MAIN DISCONNECTION.
13. ALL DUCTILE IRON FITTINGS, VALVES, FIRE HYDRANTS AND SERVICE CONNECTIONS SHALL BE WRAPPED WITH A DOUBLE LAYER OF POLYETHYLENE SHEETING.
14. WRAP ALL NEW FIRE HYDRANTS WITH BLACK PLASTIC SHEETING OR BAGS AFTER INSTALLATION AND UNTIL NEW WATER MAIN IS IN SERVICE.
15. ADJUST VAULT RIM ELEVATIONS TO FINAL GRADE AT THE TIME OF PAVING OR LANDSCAPING.
16. DEFLECT WATER MAIN JOINTS WITH A MAXIMUM OF 80% OF THE MANUFACTURER'S RECOMMENDED DEFLECTION ANGLE TO OBTAIN ALIGNMENT ALONG CURVILINEAR STREETS AND CURVED ALIGNMENTS.
17. VERIFY ELEVATIONS AND SIZES OF ALL EXISTING SEWER PIPES AND UTILITIES PRIOR TO CONSTRUCTION AND INSTALLATION OF CASING PIPES.
18. EXISTING VALVES TO BE RESTRAINED AS REQUIRED PRIOR TO CLOSING VALVES AND REMOVING PIPE TO ABANDON WATER MAINS OR TO MAKE CONNECTIONS TO NEW WATER MAIN PIPE. CONTRACTOR SHALL NOT OPERATE WATER VALVES.
19. ACCESS TO DRIVEWAYS SHALL BE RESTORED AT THE END OF EACH WORKING DAY. CONTRACTOR TO NOTIFY RESIDENTS 48 HOURS PRIOR TO DISRUPTION OF RESIDENT'S USE OF DRIVEWAY.
20. CONTRACTOR TO POTHOLE TO LOCATE THE LOCATIONS AND ELEVATIONS OF SANITARY SEWER SERVICES PRIOR TO INSTALLATION OF WATER MAIN. NOTIFY ENGINEER OF POTENTIAL CONFLICTS.
21. PROTECT EXISTING WATER MAIN DURING CONSTRUCTION.
22. EXISTING WATER MAIN TO BE LOCATED BY VILLAGE PRIOR TO ONSET OF CONSTRUCTION. ALIGNMENT OF PROPOSED WATER MAIN MAY REQUIRE ADJUSTMENT AS DETERMINED BY ENGINEER.

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	3
				CONTRACT NO. 61H26
ILLINOIS FED. AID PROJECT NJW7(436)				

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE							
				PENFIELD STREET	MAXWELL STREET PARKING LOT	REED STREET PARKING LOT	MAXWELL STREET	PENFILED ST CULVERT	GOULD STREET	PENFIELD STREET	
				80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL	0% FED 100% VILL	
				ROADWAY 0004	ROADWAY 0004	ROADWAY 0004	ROADWAY 0004	STRUCTURAL 0004	ROADWAY 0004	ROADWAY 0004	
URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN					
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	63	63							
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	442	442							
20101000	TEMPORARY FENCE	FOOT	550	550							
20101100	TREE TRUNK PROTECTION	EACH	9	9							
20101200	TREE ROOT PRUNING	EACH	9	9							
20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	1	1							
20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	8	8							
20200100	EARTH EXCAVATION	CU YD	8,471	7,812	195	334	92		38		
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	3,272	3,118	117	10	27				
20800150	TRENCH BACKFILL	CU YD	4,378	4,331				47			
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	8,310	8,310							
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	426	391	11	13	11				
25000310	SEEDING, CLASS 4	ACRE	0.25	0.25							
25100115	MULCH, METHOD 2	ACRE	2.2	1.9	0.1	0.2	0.0				
25100630	EROSION CONTROL BLANKET	SQ YD	242	242							

* INDICATES SPECIALTY ITEM
 S INDICATES CONSTRUCTION CODE 0042 TRAINEES

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 1 OF 13 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	4
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H26	
ILLINOIS FED. AID PROJECT			NIW7(436)	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				PENFIELD STREET	MAXWELL STREET PARKING LOT	REED STREET PARKING LOT	MAXWELL STREET	PENFILED ST CULVERT	GOULD STREET	PENFIELD STREET
				80% FED	80% FED	80% FED	80% FED	80% FED	80% FED	0% FED
				20% VILL	20% VILL	20% VILL	20% VILL	20% VILL	20% VILL	100% VILL
ROADWAY	ROADWAY	ROADWAY	ROADWAY	STRUCTURAL	ROADWAY	ROADWAY				
0004	0004	0004	0004	0004	0004	0004				
URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN				
25200110	SODDING, SALT TOLERANT	SQ YD	5,228	4,601	162	368	97			
25200200	SUPPLEMENTAL WATERING	UNIT	57	57						
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	541	476	17	38	10			
28000400	PERIMETER EROSION BARRIER	FOOT	630	445		185				
28000510	INLET FILTERS	EACH	65	66						
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	5,231	4,601	162	368	97		3	
28100107	STONE RIPRAP, CLASS A4	SQ YD	96					96		
28200200	FILTER FABRIC	SQ YD	96					96		
28500100	FABRIC FORMED CONCRETE REVETMENT MAT	SQ YD	65					65		
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	2,766	2,766						
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	15,811	13,960	905	681	265			
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	3,965	3,215	81	109			560	
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	1,176	1,176						
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	2,260						2,260	
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	7	2					5	

* INDICATES SPECIALTY ITEM

S INDICATES CONSTRUCTION CODE 0042 TRAINEES

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE NONE SHEET 2 OF 13 SHEETS STA. TO STA.

F.A. RTE. 423	SECTION 15-00020-00-FP	COUNTY WILL	TOTAL SHEETS NO. 117	SHEET NO. 5
ILLINOIS FED. AID PROJECT 11N74361			CONTRACT NO. 61H26	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE							
				PENFIELD STREET	MAXWELL STREET PARKING LOT	REED STREET PARKING LOT	MAXWELL STREET	PENFIELD ST CULVERT	GOULD STREET	PENFIELD STREET	
				80% FED	80% FED	80% FED	80% FED	80% FED	80% FED	0% FED	
				20% VILL	20% VILL	20% VILL	20% VILL	20% VILL	20% VILL	100% VILL	
				ROADWAY	ROADWAY	ROADWAY	ROADWAY	STRUCTURAL	ROADWAY	ROADWAY	
				0004	0004	0004	0004	0004	0004	0004	
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	54	39						15	
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0 N50	TON	401		183	137				81	
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	207	46						161	
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	542	92	92	69				289	
40700100	BITUMINOUS MATERIALS (TACK COAT)	POUND	9,489	9,489							
40701831	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 7 1/2"	SQ YD	12,672	12,407			265				
42001300	PROTECTIVE COAT	SQ YD	35,331	35,331							
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	168	168							
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	112	112							
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	24,820	23,115	725	980					
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	1,420	1,420							
42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	2,580	2,580							
42400800	DETECTABLE WARNINGS	SQ FT	490	490							
44000100	PAVEMENT REMOVAL	SQ YD	14,308	13,041		960	307				
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	3,861	1,064						2,797	

* INDICATES SPECIALTY ITEM

s INDICATES CONSTRUCTION CODE 0042 TRAINEES

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 3 OF 13 SHEETS STA. TO STA.

F.A. RTE. 423	SECTION 15-00020-00-FP	COUNTY WILL	TOTAL SHEETS 117	SHEET NO. 6
ILLINOIS FED AID PROJECT NW7(436)			CONTRACT NO. 61H26	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE							
				PENFIELD STREET	MAXWELL STREET PARKING LOT	REED STREET PARKING LOT	MAXWELL STREET	PENFILED ST CULVERT	GOULD STREET	PENFIELD STREET	
				80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL	0% FED 100% VILL	
				ROADWAY	ROADWAY	ROADWAY	ROADWAY	STRUCTURAL	ROADWAY	ROADWAY	
				0004	0004	0004	0004	0004	0004	0004	0004
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1,189	1,189							
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	585	585							
44000600	SIDEWALK REMOVAL	SQ FT	18,088	17,888			200				
44201713	CLASS D PATCHES, TYPE I, 6 INCH	SQ YD	45	11						34	
44201717	CLASS D PATCHES, TYPE II, 6 INCH	SQ YD	89	22						67	
44201721	CLASS D PATCHES, TYPE III, 6 INCH	SQ YD	133	32						101	
44201723	CLASS D PATCHES, TYPE IV, 6 INCH	SQ YD	265	64						201	
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	70	30						40	
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1						1		
50300255	CONCRETE SUPERSTRUCTURE	CU YD	26.0						26.0		
50300300	PROTECTIVE COAT	SQ YD	93						93		
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	7,240						7,240		
* 50901750	PARAPET RAILING	FOOT	48						48		
* 50901760	PIPE HANDRAIL	FOOT	70						70		
51500100	NAME PLATES	EACH	1						1		

* INDICATES SPECIALTY ITEM
 S INDICATES CONSTRUCTION CODE 0042 TRAINEES

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SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
				PENFIELD STREET	MAXWELL STREET PARKING LOT	REED STREET PARKING LOT	MAXWELL STREET	PENFILED ST CULVERT	GOULD STREET	PENFIELD STREET		
				80% FED	80% FED	80% FED	80% FED	80% FED	80% FED	0% FED		
				20% VILL	20% VILL	20% VILL	20% VILL	20% VILL	20% VILL	100% VILL		
ROADWAY	ROADWAY	ROADWAY	ROADWAY	STRUCTURAL	ROADWAY	ROADWAY						
0004	0004	0004	0004	0004	0004	0004						
URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN						
550A2320	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	FOOT	254	254								
550A2330	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	FOOT	88	88								
550A2340	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 18"	FOOT	153	153								
550A2360	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 24"	FOOT	77	77								
550A2520	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	FOOT	483	483								
550A2530	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 15"	FOOT	335	335								
550A2540	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"	FOOT	375	375								
550A2560	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 24"	FOOT	927	927								
550A2600	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 36"	FOOT	474	474								
55100100	STORM SEWER REMOVAL 4"	FOOT	16	16								
55100200	STORM SEWER REMOVAL 6"	FOOT	242	242								
55100300	STORM SEWER REMOVAL 8"	FOOT	435	435								
55100400	STORM SEWER REMOVAL 10"	FOOT	341	341								
55100500	STORM SEWER REMOVAL 12"	FOOT	232	232								
55100700	STORM SEWER REMOVAL 15"	FOOT	1,191	1,191								

* INDICATES SPECIALTY ITEM
 S INDICATES CONSTRUCTION CODE 0042 TRAINEES

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SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
				PENFIELD STREET	MAXWELL STREET PARKING LOT	REED STREET PARKING LOT	MAXWELL STREET	PENFIELD ST CULVERT	GOULD STREET	PENFIELD STREET		
				80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL	0% FED 100% VILL		
				ROADWAY 0004 URBAN	ROADWAY 0004 URBAN	ROADWAY 0004 URBAN	ROADWAY 0004 URBAN	STRUCTURAL 0004 URBAN	ROADWAY 0004 URBAN	ROADWAY 0004 URBAN		
55100800	STORM SEWER REMOVAL 16"	FOOT	685	685								
55101100	STORM SEWER REMOVAL 21"	FOOT	438	438								
55101200	STORM SEWER REMOVAL 24"	FOOT	438	438								
56106300	ADJUSTING WATER MAIN 6"	FOOT	20	20								
56106400	ADJUSTING WATER MAIN 8"	FOOT	96	96								
56109210	WATER VALVES TO BE ADJUSTED	EACH	2	2								
56400300	FIRE HYDRANTS TO BE ADJUSTED	EACH	1	1								
56500200	DOMESTIC WATER SERVICE BOXES TO BE MOVED	EACH	6	6								
56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	2	2								
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	127					127				
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	5	5								
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	500	500								
60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	3	3								
60201105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	20	20								
60203805	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	2	2								

* INDICATES SPECIALTY ITEM
 S INDICATES CONSTRUCTION CODE 0042 TRAINEES

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SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
				PENFIELD STREET	MAXWELL STREET PARKING LOT	REED STREET PARKING LOT	MAXWELL STREET	PENFIELD ST CULVERT	GOULD STREET	PENFIELD STREET		
				80% FED	80% FED	80% FED	80% FED	80% FED	80% FED	0% FED		
				20% VILL	20% VILL	20% VILL	20% VILL	20% VILL	20% VILL	100% VILL		
ROADWAY	ROADWAY	ROADWAY	ROADWAY	STRUCTURAL	ROADWAY	ROADWAY						
0004	0004	0004	0004	0004	0004	0004						
URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN						
60204805	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	2	2								
60207905	CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE	EACH	8	8								
60218300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1								
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4	4								
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	6	6								
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3								
60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	1	1								
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	5	5								
60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	9	9								
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	1	1								
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	7	7								
60500040	REMOVING MANHOLES	EACH	2	2								
60500050	REMOVING CATCH BASINS	EACH	3	3								
60500060	REMOVING INLETS	EACH	12	12								
60500070	REMOVING MANHOLES TO MAINTAIN FLOW	EACH	3	3								

* INDICATES SPECIALTY ITEM
 5 INDICATES CONSTRUCTION CODE 0042 TRAINEES

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 7 OF 13 SHEETS STA. TO STA.

F.A. RTE. 423	SECTION 15-00020-00-FP	COUNTY WILL	TOTAL SHEETS 117	SHEET NO. 10
ILLINOIS FED. AID PROJECT 13H714361				CONTRACT NO. 61H26

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
				PENFIELD STREET	MAXWELL STREET PARKING LOT	REED STREET PARKING LOT	MAXWELL STREET	PENFIELD ST CULVERT	GOULD STREET	PENFIELD STREET		
				80% FED	80% FED	80% FED	80% FED	80% FED	80% FED	0% FED		
				20% VILL	20% VILL	20% VILL	20% VILL	20% VILL	20% VILL	100% VILL		
ROADWAY	ROADWAY	ROADWAY	ROADWAY	STRUCTURAL	ROADWAY	ROADWAY						
0004	0004	0004	0004	0004	0004	0004						
URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN						
60500080	REMOVING CATCH BASINS TO MAINTAIN FLOW	EACH	3	3								
60500090	REMOVING INLETS TO MAINTAIN FLOW	EACH	1	1								
60600605	CONCRETE CURB, TYPE B	FOOT	20	20								
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	5,811	5,111	392	308						
63500310	REMOVE AND REINSTALL DELINEATORS	EACH	100	100								
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	40	40								
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	4	4								
* 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	20	20								
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	10	10								
67100100	MOBILIZATION	L SUM	1	1								
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	300	300								
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	180	180								
70300100	SHORT TERM PAVEMENT MARKING	FOOT	5,445	2,745						2,700		

* INDICATES SPECIALTY ITEM
 5 INDICATES CONSTRUCTION CODE 0042 TRAINEES

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE NONE SHEET 8 OF 13 SHEETS STA. TO STA.

F.A. RTE. 423	SECTION 15-00020-00-FP	COUNTY WILL	TOTAL SHEETS 117	SHEET NO. 11
ILLINOIS FED AID PROJECT 11/17(436)			CONTRACT NO. 61H26	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				PENFIELD STREET	MAXWELL STREET PARKING LOT	REED STREET PARKING LOT	MAXWELL STREET	PENFIELD ST CULVERT	GOULD STREET	PENFIELD STREET
				80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL	0% FED 100% VILL
				ROADWAY 0004 URBAN	ROADWAY 0004 URBAN	ROADWAY 0004 URBAN	ROADWAY 0004 URBAN	STRUCTURAL 0004 URBAN	ROADWAY 0004 URBAN	ROADWAY 0004 URBAN
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1,815	915					900	
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	10,980	10,980						
* 72000100	SIGN PANEL - TYPE 1	SQ FT	627.0	588.5	6.0	3.0			29.5	
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	43	41					2	
72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	234	232					2	
72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	14	14						
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	987	888	24	12			63	
73400100	CONCRETE FOUNDATIONS	CU YD	1	1						
73700200	REMOVE CONCRETE FOUNDATION - GROUND MOUNT	EACH	7	7						
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	278	260	7	4			7	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	7,010	4,752	302	278			1,678	
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,485	222					1,263	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2,389	1,352	165	92			780	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	58	24					34	
* 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1	1						

* INDICATES SPECIALTY ITEM
 S INDICATES CONSTRUCTION CODE 0042 TRAINEES

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SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE							
				PENFIELD STREET	MAXWELL STREET PARKING LOT	REED STREET PARKING LOT	MAXWELL STREET	PENFILED ST CULVERT	GOULD STREET	PENFIELD STREET	
				80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL	0% FED 100% VILL	
				ROADWAY	ROADWAY	ROADWAY	ROADWAY	STRUCTURAL	ROADWAY	ROADWAY	
0004	0004	0004	0004	0004	0004	0004					
URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN					
* 80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1	1							
* 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	732	732							
* 81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	1	1							
* 82500350	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP	EACH	1	1							
* 89501510	RELOCATE EXISTING FLASHING BEACON	EACH	3	3							
* 80001716	TREE, AMELANCHIER X GRANDIFLORA APPLE, (APPLE SERVICEBERRY), 2" CALIPER, TREE FORM, BALLED AND	EACH	5	5							
* 82006320	TREE, SYRINGA RETICULATA IVORY SILK (IVORY SILK JAPANESE TREE LILAC), 2-1/2" CALIPER, TREE FORM.	EACH	5	5							
* 80029634	WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE	POUND	2	2							
* 80100020	EARTH EXCAVATION (UNSUITABLE MATERIAL)	CU YD	2	2							
* 80300558	SANITARY SEWER REMOVAL AND REPLACEMENT 8"	FOOT	10								10
* 80696100	PARKING BLOCKS	EACH	24						24		
* 80900064	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	127					127			
* 80900095	THREE-SIDED PRECAST CONCRETE STRUCTURES (SPECIAL) 22 FT	FOOT	61					61			
* 81200221	NON-PRESSURE CONNECTION TO EXISTING WATER MAIN	EACH	2	2							
* 82130010	EXPLORATION TRENCH, SPECIAL	FOOT	500	500							

* INDICATES SPECIALTY ITEM
s INDICATES CONSTRUCTION CODE 0042 TRAINEES

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE NONE SHEET 10 OF 13 SHEETS STA TO STA

F.A. RTE. 423	SECTION 15-00020-00-PP	COUNTY WILL	TOTAL SHEETS NO. 117 13
			CONTRACT NO. 61H26
ILLINOIS FED. AID PROJECT N1W7(436)			

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE							
				PENFIELD STREET	MAXWELL STREET PARKING LOT	REED STREET PARKING LOT	MAXWELL STREET	PENFIELD ST CULVERT	GOULD STREET	PENFIELD STREET	
				80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL	0% FED 100% VILL	
				ROADWAY	ROADWAY	ROADWAY	ROADWAY	STRUCTURAL	ROADWAY	ROADWAY	
0004	0004	0004	0004	0004	0004	0004					
URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN					
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	16	16							
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	17	17							
X4023000	TEMPORARY ACCESS (ROAD)	EACH	12	12							
X5610004	DUCTILE IRON WATER MAIN FITTINGS	POUND	710	710							
X5610700	WATER MAIN REMOVAL	FOOT	65	65							
X5610746	WATER MAIN LINE STOP 6"	EACH	2	2							
X5610748	WATER MAIN LINE STOP 8"	EACH	1	1							
X5610900	DUCTILE IRON WATER MAIN, 8" DIAMETER, RESTRAINED JOINT PIPE	FOOT	62	62							
X5620128	ADJUSTING WATER SERVICE LINES	EACH	15	15							
X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	6								6
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1							
XX006991	BRICK FACADE	SQ FT	72					72			
XX009496	LIGHT POLE, ALUMINUM, 16 FT., SPECIAL	EACH	55	55							
Z0004530	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"	SQ YD	146	146							
Z0004538	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"	SQ YD	750	750							

* INDICATES SPECIALTY ITEM
 S INDICATES CONSTRUCTION CODE 0042 TRAINEES

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SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE							
				PENFIELD STREET	MAXWELL STREET PARKING LOT	REED STREET PARKING LOT	MAXWELL STREET	PENFIELD ST CULVERT	GOULD STREET	PENFIELD STREET	
				80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL	80% FED 20% VILL	0% FED 100% VILL	
				ROADWAY 0004	ROADWAY 0004	ROADWAY 0004	ROADWAY 0004	STRUCTURAL 0040	ROADWAY 0004	ROADWAY 0004	
URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN					
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1							
Z0017400	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	17	15					2		
Z0017700	DRAINAGE & UTILITY STRUCTURES TO BE RECONSTRUCTED	EACH	8	7					1		
Z0019600	DUST CONTROL WATERING	UNIT	1	1							
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	307	307							
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1							
Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	186	186							
Z0056610	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	FOOT	130	130							
Z0056612	STORM SEWER (WATER MAIN REQUIREMENTS) 18 INCH	FOOT	94	94							
Z0062456	TEMPORARY PAVEMENT	SQ YD	798	798							
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1	1							
S Z0076600	TRAINEES	HOUR	500	500							
S Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500							
XX009534	LIGHT POLE FOUNDATION, METAL, SPECIAL	EACH	55	55							
XX009535	UNIT DUCT, 600V, 4-1/C NO. 10, 3-1/C NO. 6, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	4,850	4,850							

* INDICATES SPECIALTY ITEM
S INDICATES CONSTRUCTION CODE 0042 TRAINEES

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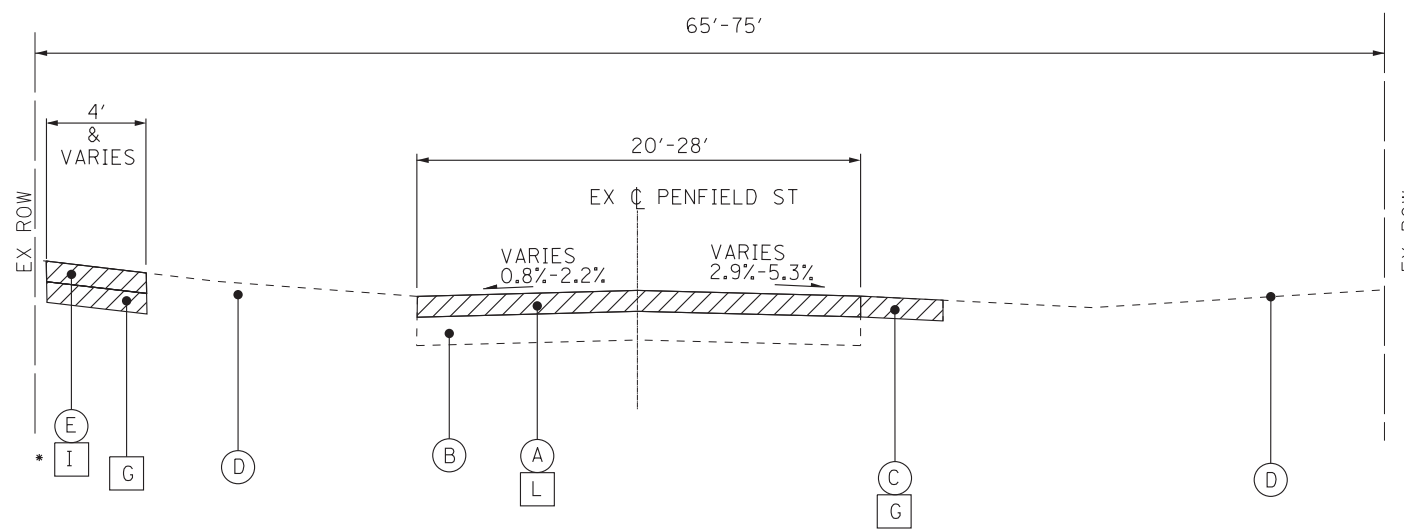
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

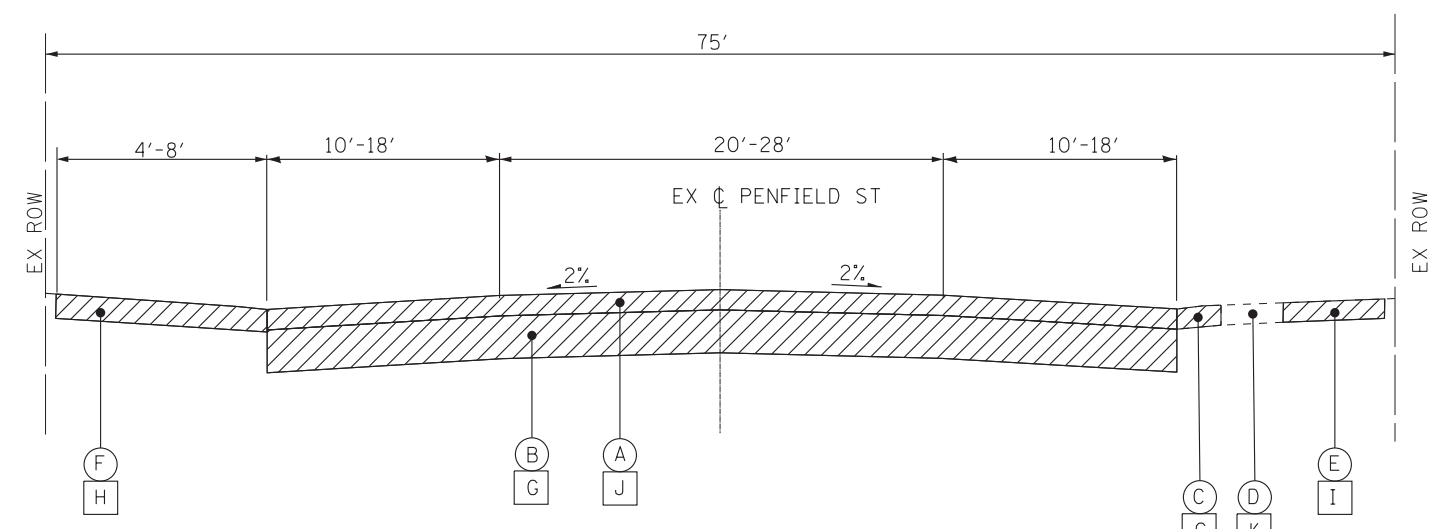
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F.A. RTE. 423	SECTION 15-00020-00-FP	COUNTY WILL	TOTAL SHEETS 117	SHEET NO. 15
CONTRACT NO. 61H26				
ILLINOIS FED. AID PROJECT N1W7(436)				

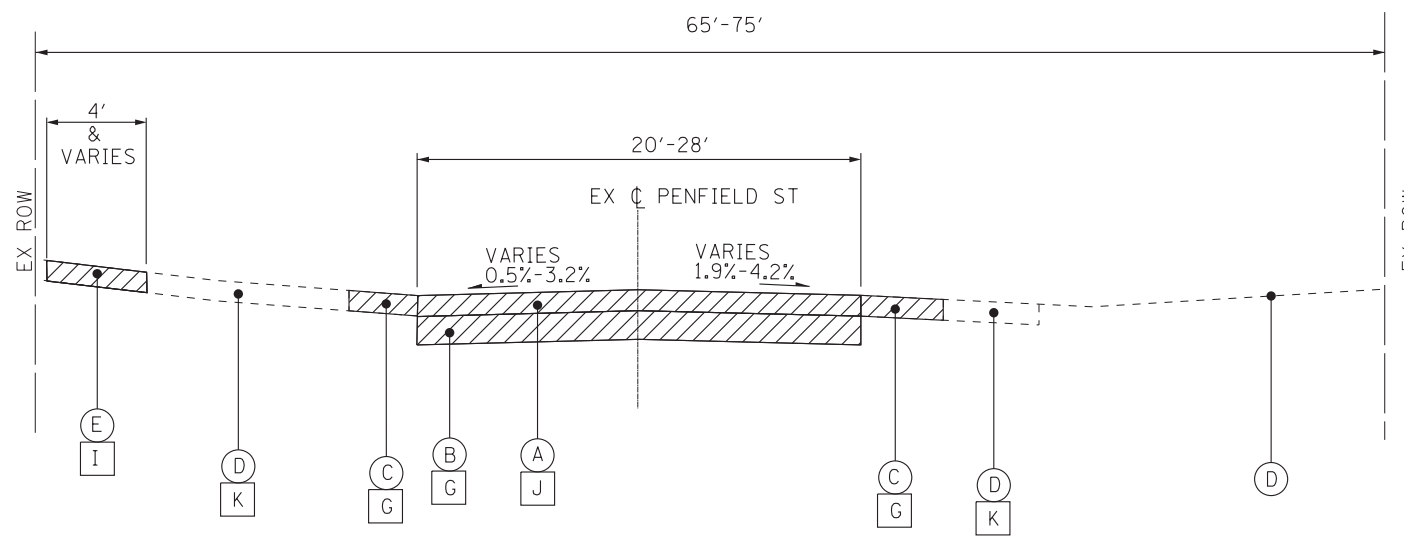
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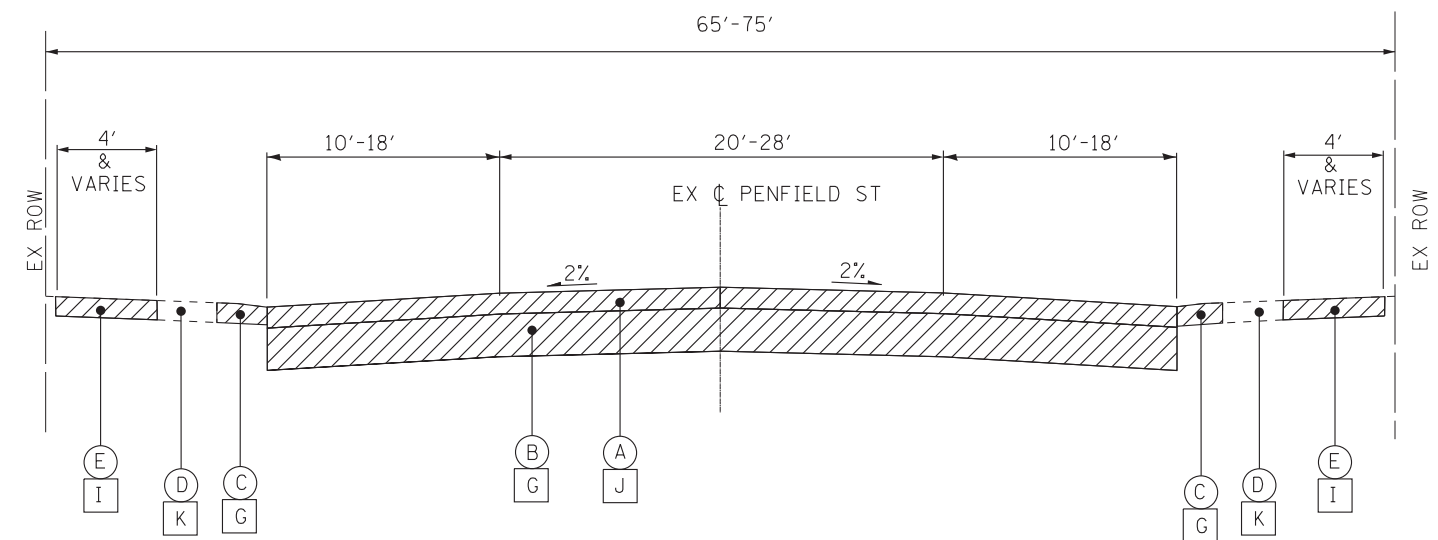
EXISTING TYPICAL SECTION
 PENFIELD STREET
 STA 9+51.00 to STA 12+17.00



EXISTING TYPICAL SECTION
 PENFIELD STREET
 STA 12+94.00 to STA 17+00.00



EXISTING TYPICAL SECTION
 PENFIELD STREET
 STA 12+42.00 to STA 12+94.00



EXISTING TYPICAL SECTION
 PENFIELD STREET
 STA 17+00.00 TO STA 23+22.00
 STA 24+48.00 TO STA 37+62.00

EXISTING LEGEND

- (A) EXISTING HOT-MIX ASPHALT SURFACE AND/OR BINDER
(SEE PAVEMENT CORES FOR THICKNESS)
- (B) EXISTING AGGREGATE BASE
(SEE PAVEMENT CORES FOR THICKNESS)
- (C) EXISTING AGGREGATE SHOULDER
- (D) EXISTING GROUND SURFACE
- (E) EXISTING SIDEWALK
- (F) EXISTING DRIVEWAY
- (G) EARTH EXCAVATION
- (H) DRIVEWAY PAVEMENT REMOVAL
- (I) SIDEWALK REMOVAL
- (J) PAVEMENT REMOVAL
- (K) TOPSOIL EXCAVATION (6 INCHES)
- (L) HMA SURFACE REMOVAL 2"
- [Hatched Box] ITEM TO BE REMOVED



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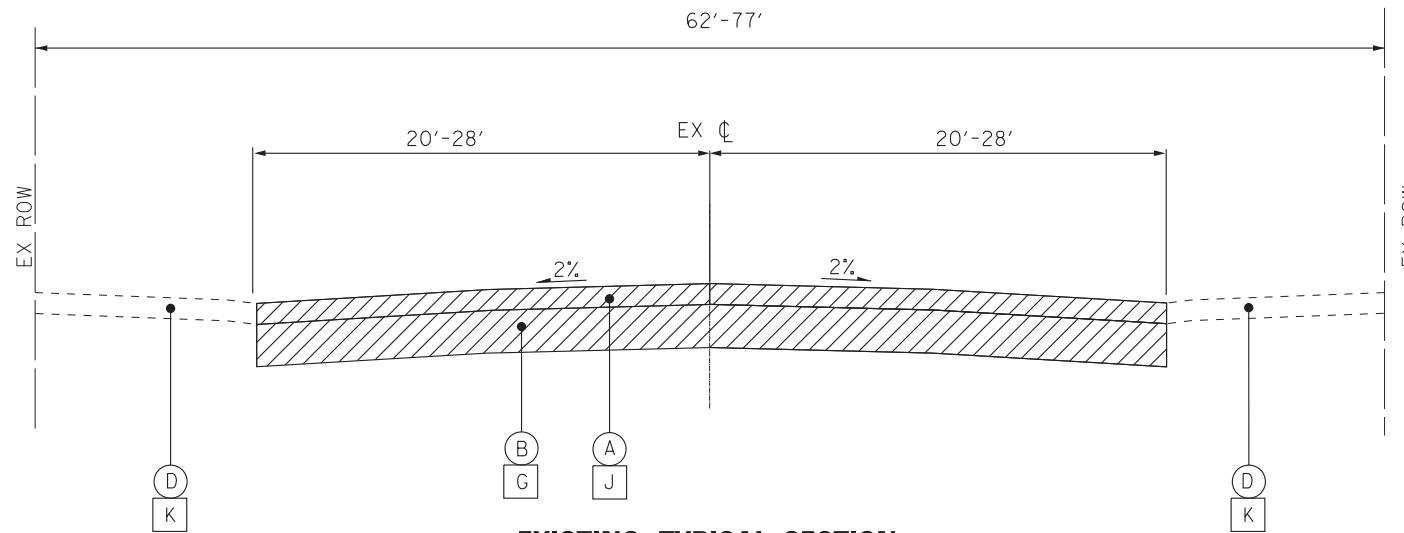
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS AND HOT-MIX ASPHALT
 MIXTURE REQUIREMENTS**

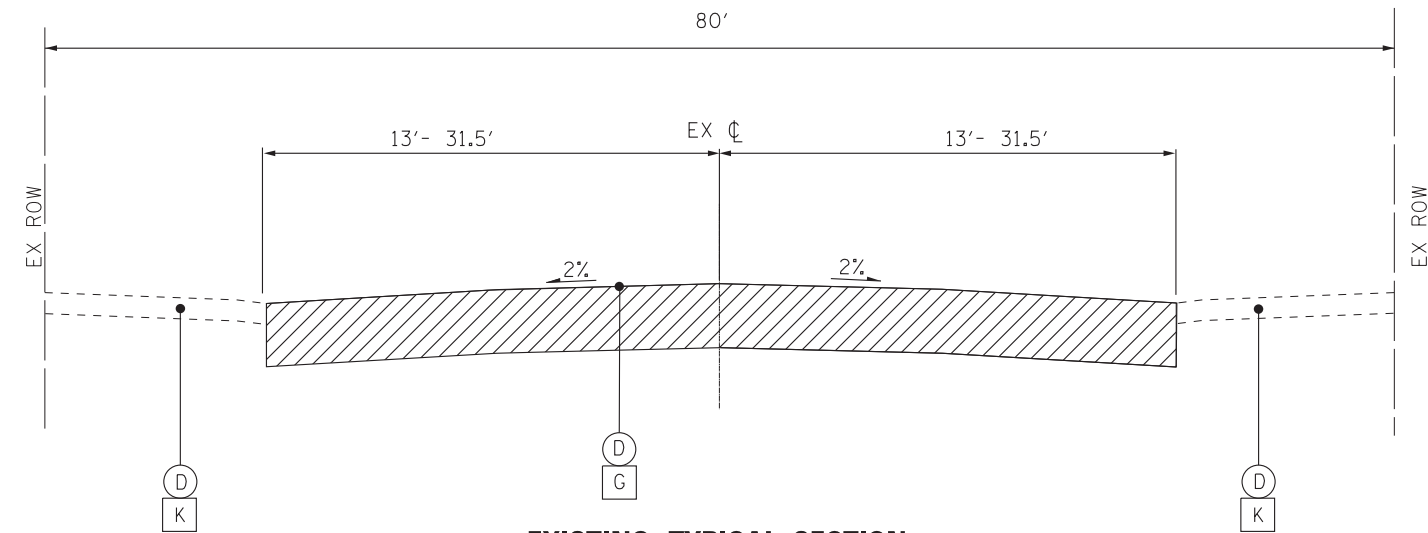
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ILLINOIS FED. AID PROJECT NIW7(436)			CONTRACT NO. 61H26	

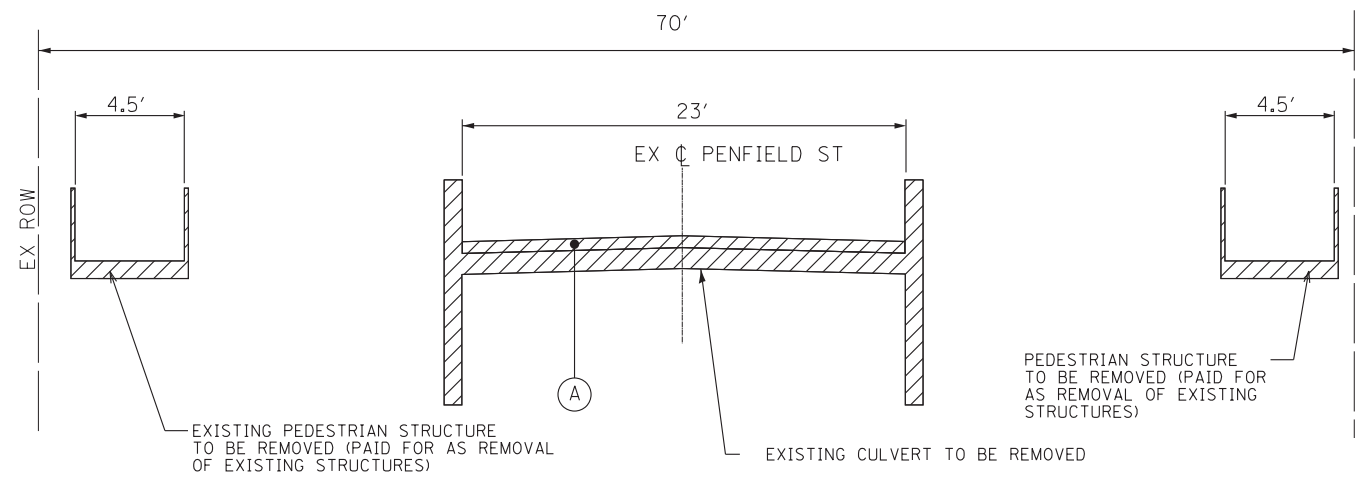
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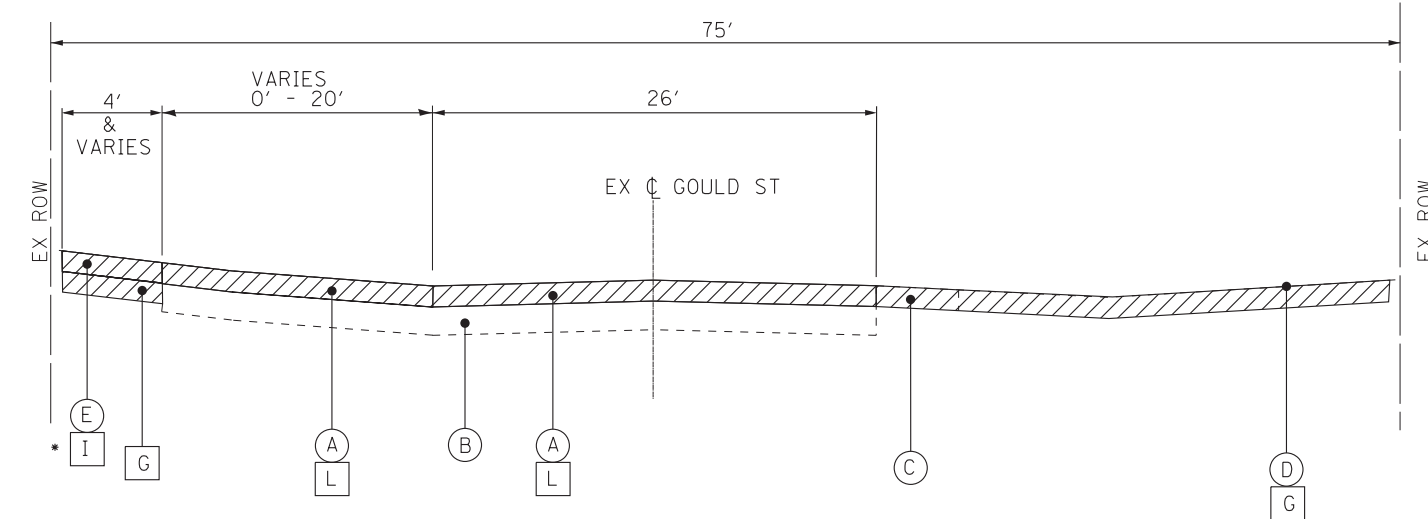
EXISTING TYPICAL SECTION
 REED STREET
 PARKING LOT



EXISTING TYPICAL SECTION
 MAXWELL STREET
 PARKING LOT



EXISTING TYPICAL SECTION
 PENFIELD STREET
 STA 23+22.00 to STA 24+48.00



EXISTING TYPICAL SECTION
 GOULD STREET
 STA 20+38.00 to STA 26+41.00

PAVEMENT CORE DATA

CORE	STA	ADDRESS	LOCATION	HMA SURFACE	HMA BINDER	HMA TREATED AGGREGATE	CINDERS	CRUSHED LIMESTONE	CHIP AND SEAL	CLAY FILL	CONCRETE	TOTAL DEPTH
C-1	10+45	PENFIELD ST	7' S OF CL	6 1/4"			5 3/4"	6"				18"
C-2	12+70	PENFIELD ST	5' N OF CL	4 1/4"				8 3/4"				13"
C-3	15+85	743 PENFIELD ST	5' S OF CL	4 1/2"		9"						13 1/2"
C-4	18+80	725 PENFIELD ST	7' N OF CL	5"				4"				9"
C-5	21+80	673 PENFIELD ST	6' S OF CL	5 1/2"				8"				13 1/2"
C-6	24+70	PENFIELD ST	4' N OF CL	3 3/4"				12"				15 3/4"
C-7	27+60	630 PENFIELD ST	3' S OF CL	4"				10 1/2"				14 1/2"
C-8	30+55	607 PENFIELD ST	8' N OF CL	4 1/4"	1 1/4"			8 1/2"				14"
C-9	33+40	PENFIELD ST	10' S OF CL	4 3/4"				9 1/4"				14"
C-10	36+90	PENFIELD ST	4' N OF CL	3 1/2"				10"				13 1/2"
C-101	23+75	PENFIELD ST	ON BRIDGE DECK	3 1/2"								3 1/2"
C-1	21+18	505 GOULD ST	8' E OF CL	1 3/4"	2 1/4"				3"	3"	3"	13"
C-2	21+95	508 GOULD ST	8' W OF CL	5"				2"		2 3/4"	4 1/4"	14"
C-3	23+30	522 GOULD ST	7' E OF CL	4"				3 3/4"			5 1/4"	13"
C-4	24+55	534 GOULD ST	7' W OF CL	4 3/4"				6 1/4"				11"
C-5	24+92	534 GOULD ST	30' W OF CL	4 1/4"				5 3/4"				10"
C-6	26+05	540 GOULD ST	5' E OF CL	4"				5"			5"	14"

EXISTING LEGEND

- (A) EXISTING HOT-MIX ASPHALT SURFACE AND/OR BINDER (SEE PAVEMENT CORES FOR THICKNESS)
- (B) EXISTING AGGREGATE BASE (SEE PAVEMENT CORES FOR THICKNESS)
- (C) EXISTING AGGREGATE SHOULDER
- (D) EXISTING GROUND SURFACE
- (E) EXISTING SIDEWALK
- (F) EXISTING DRIVEWAY
- (G) EARTH EXCAVATION
- (H) DRIVEWAY PAVEMENT REMOVAL
- (I) SIDEWALK REMOVAL
- (J) PAVEMENT REMOVAL
- (K) TOPSOIL EXCAVATION (6 INCHES)
- (L) HMA SURFACE REMOVAL 2"
- [Hatched Box] ITEM TO BE REMOVED



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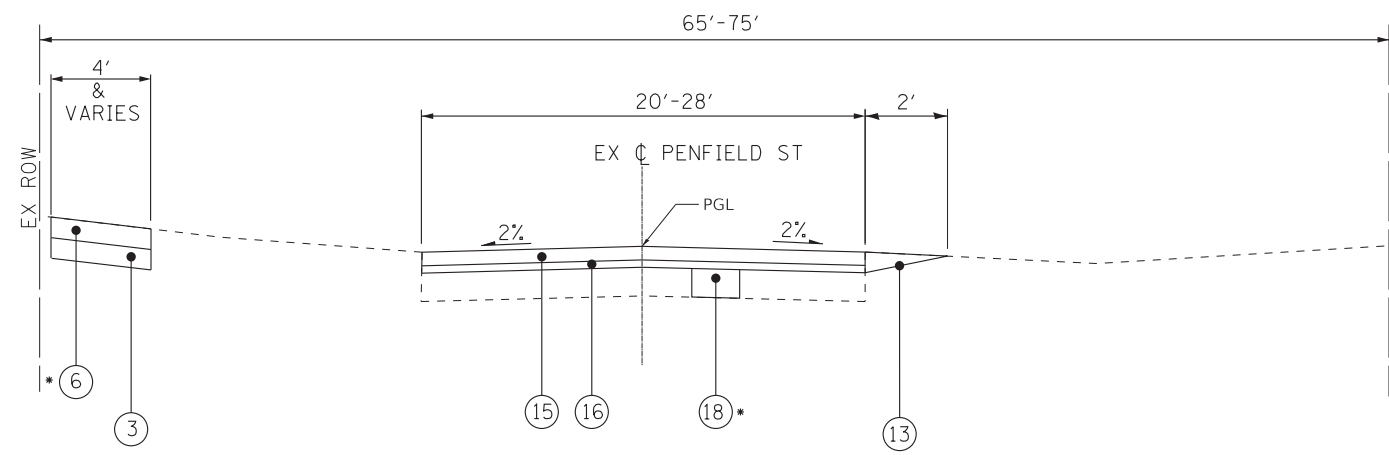
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS AND HOT-MIX ASPHALT
 MIXTURE REQUIREMENTS**

SCALE: NONE SHEET 2 OF 5 SHEETS STA. TO STA.

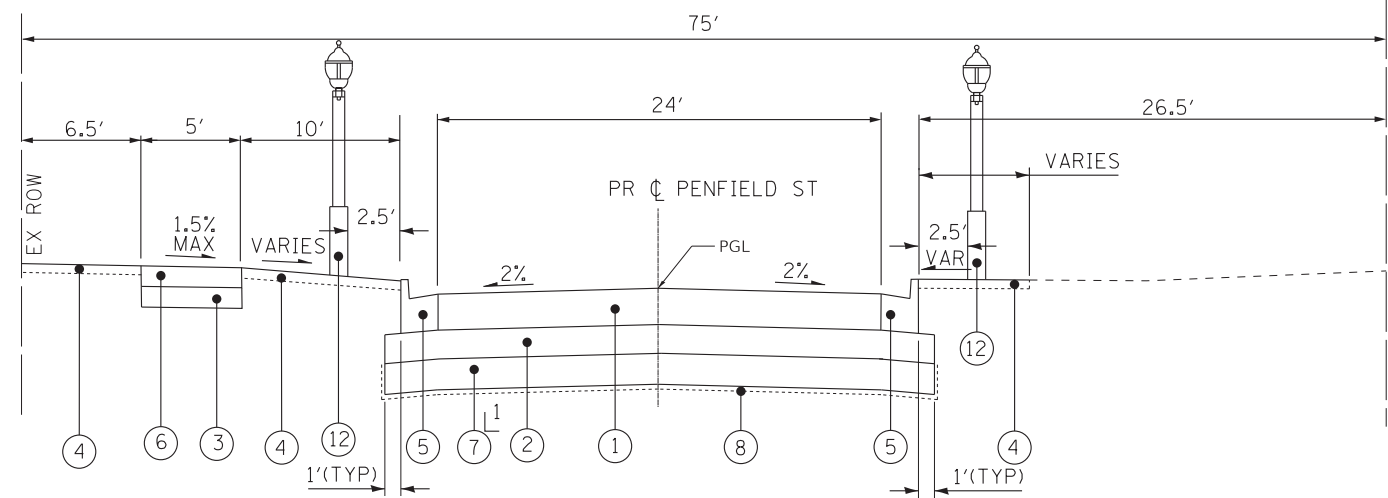
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CONTRACT NO. 61H26				
ILLINOIS FED. AID PROJECT NIW7(436)				

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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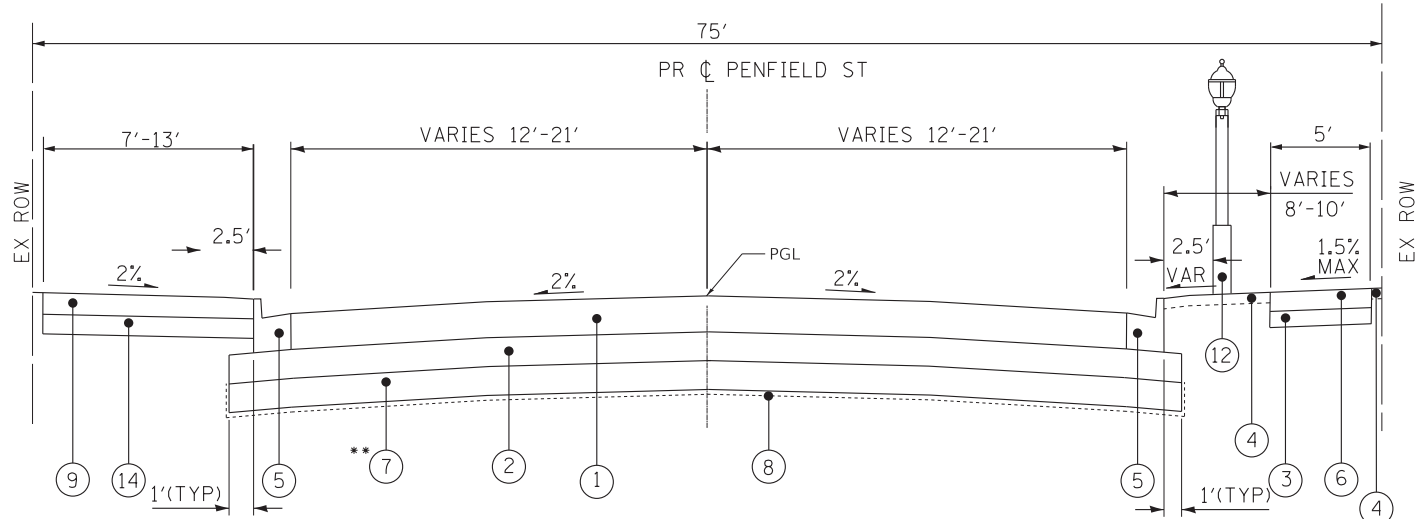
PROPOSED TYPICAL SECTION
 PENFIELD STREET
 STA 9+51.00 to STA 12+17.00

* AS DETERMINED BY THE ENGINEER

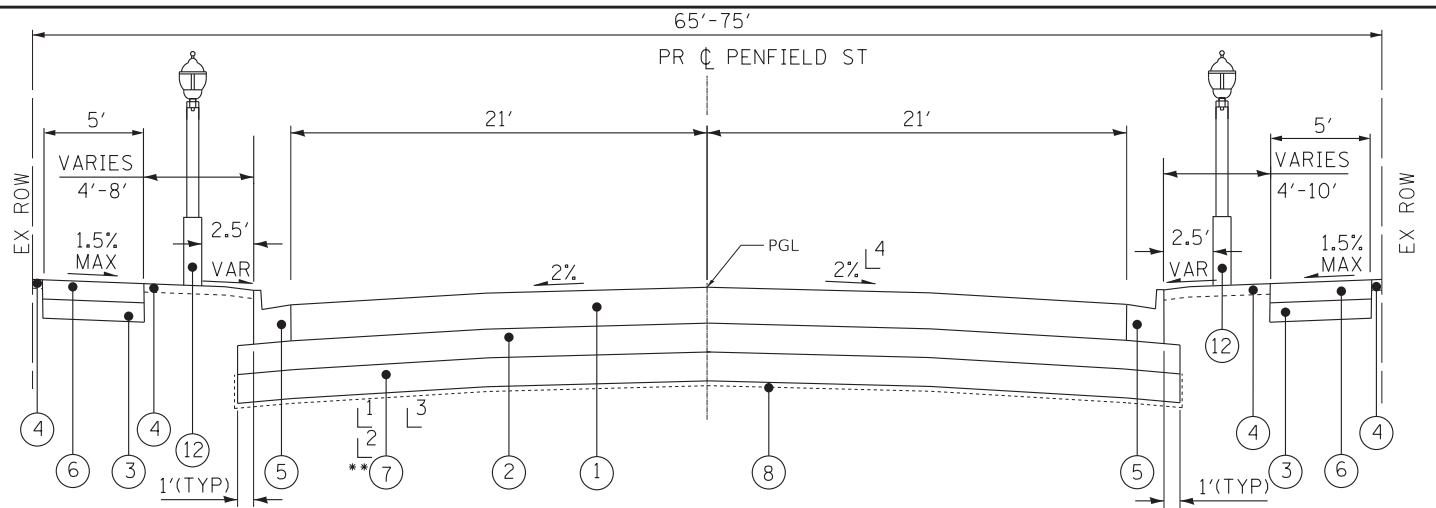


PROPOSED TYPICAL SECTION
 PENFIELD STREET
 STA 12+42.00 to STA 12+94.00

L1 STA 11+80 TO STA 12+94 12" DEPTH WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION



PROPOSED TYPICAL SECTION
 PENFIELD STREET
 STA 12+94.00 to STA 17+00.00



PROPOSED TYPICAL SECTION
 PENFIELD STREET
 STA 17+00.00 TO STA 23+22.00
 STA 24+48.00 TO STA 37+62.00

- L1 STA 18+50 TO STA 22+00 12" DEPTH WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- L2 STA 27+50 TO STA 29+00 12" DEPTH WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- L3 STA 33+00 TO STA 34+50 12" DEPTH WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- L4 SEE ALIGNMENT PLAN FOR REMOVE CROWN LIMITS

PROPOSED LEGEND

- ① HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 7 1/2"
- ② AGGREGATE SUBGRADE IMPROVEMENT 12"
- ③ AGGREGATE BASE COURSE, TYPE B, 4"
- ④ TOPSOIL EXCAVATION AND PLACEMENT, 6" SODDING, SALT TOLERANT
- ⑤ COMBINATION CONCRETE CURB AND GUTTER, TYPE B.6-12
- ⑥ PCC SIDEWALK, 5-INCH
- ⑦ REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS
- ** AGGREGATE SUBGRADE IMPROVEMENT (CU YD)
- ⑧ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ⑨ HMA OR PCC DRIVEWAY PAVEMENT
- ⑩ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5MM) - 2"
- ⑪ HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50 - 4"
- ⑫ DECORATIVE STREET LIGHTING - POST MOUNTED
- ⑬ AGGREGATE WEDGE SHOULDER, TYPE B
- ⑭ AGGREGATE BASE COURSE, TYPE B 6"
- ⑮ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, (IL 9.5mm), 1 1/2"
- ⑯ POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- ⑰ HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50 - 2 1/2"
- ⑱ CLASS D PATCH - 6"

NOTES:

1. **AGGREGATE SUBGRADE IMPROVEMENT (ASI) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.03 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS ENCOUNTERED, THE SOILS SHALL BE REMOVED AND REPLACED WITH ASI OR EMBANKMENT AS DETERMINED BY THE ENGINEER. THE REMOVAL AND REPLACEMENT AREA SHALL EXTEND TO 12 INCHES BEYOND THE BACK OF CURB AND GUTTER AND COME UP AT A 1:1 SLOPE TO AGGREGATE SUBGRADE IMPROVEMENT 4". THESE LIMITS MAY BE ALTERED BY THE ENGINEER IF FIELD CONDITIONS SO WARRANT. REMOVAL OF THESE UNSUITABLE SOILS SHALL BE PAID FOR AS "REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL." ANY ASI AND REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR GROUND STABILIZATION NOT NEEDED AT THE TIME OF CONSTRUCTION SHALL BE DELETED FROM THE CONTRACT.
2. PIPE UNDERDRAINS, TYPE 2, 4" SHALL BE PLACED TO DRAIN THE LOW AREAS OF THE ROAD AND AT THE BASE OF UNDERCUTS AREAS REPLACED BY AGGREGATE SUBGRADE IMPROVEMENT. TRANSVERSE UNDERDRAINS SHALL BE PLACED IN THE LOW POINTS WHERE THE ROAD WILL BE RECONSTRUCTED AND CONNECTED TO NEAREST DRAINAGE STRUCTURE. PIPE UNDERDRAINS, TYPE 2, 4" SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.



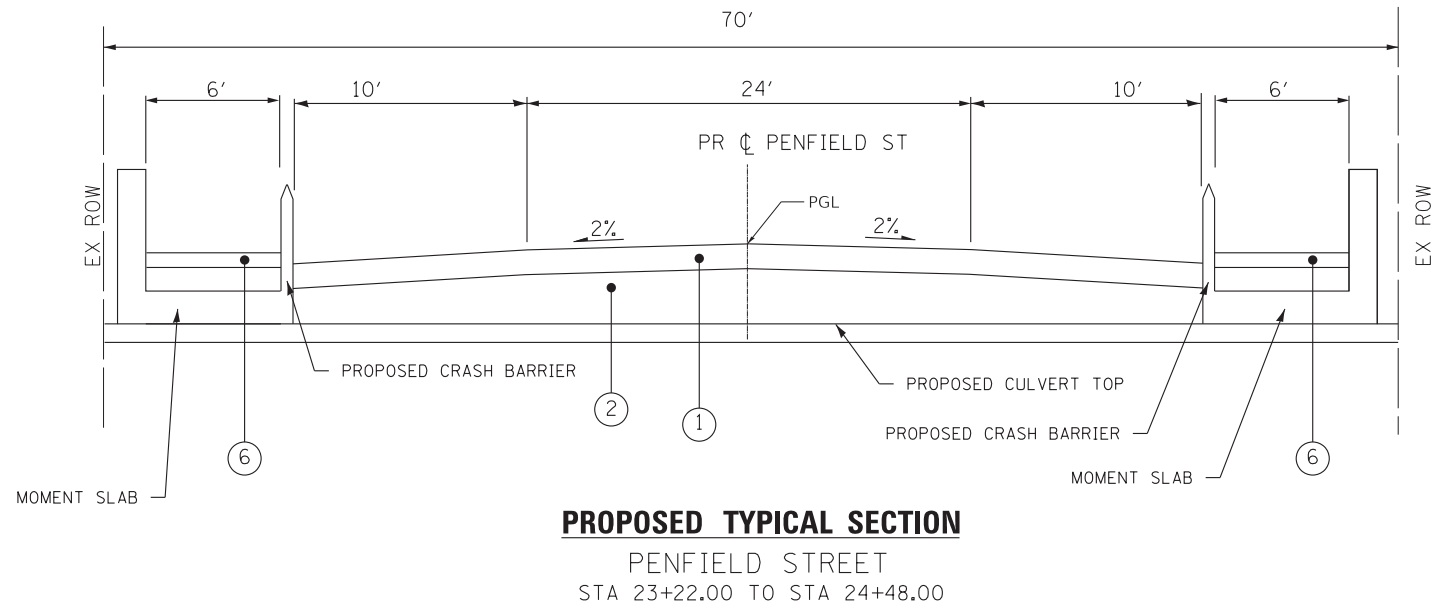
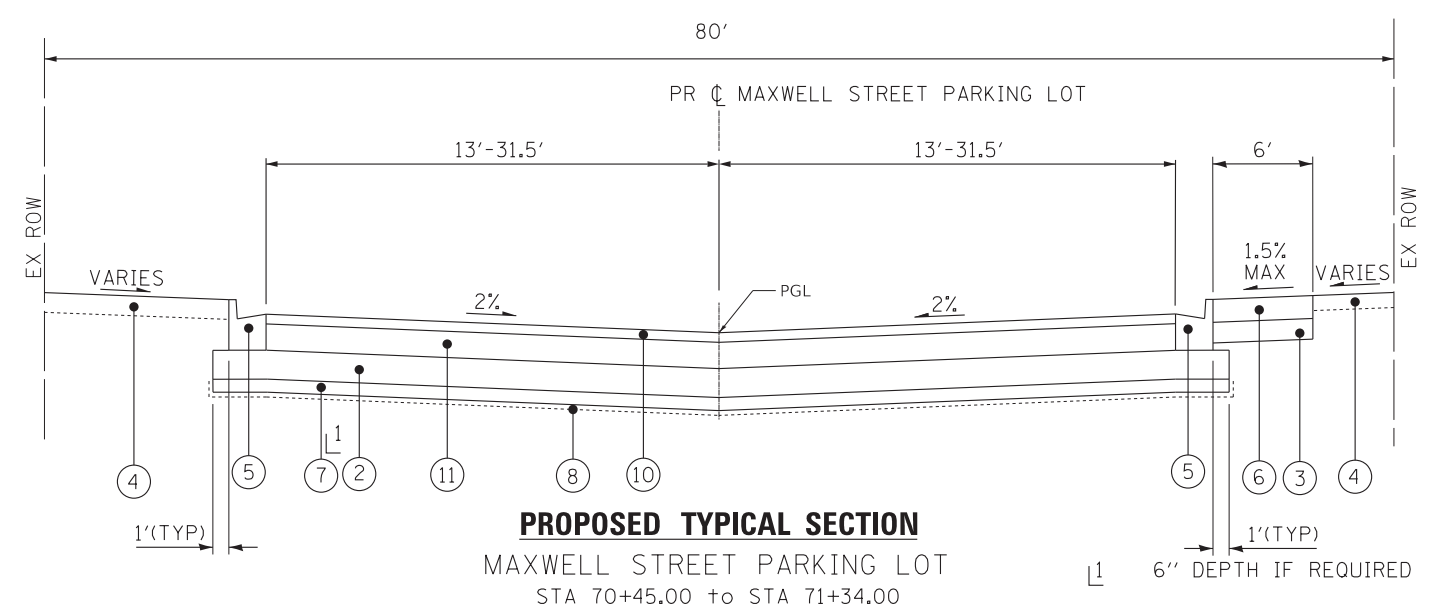
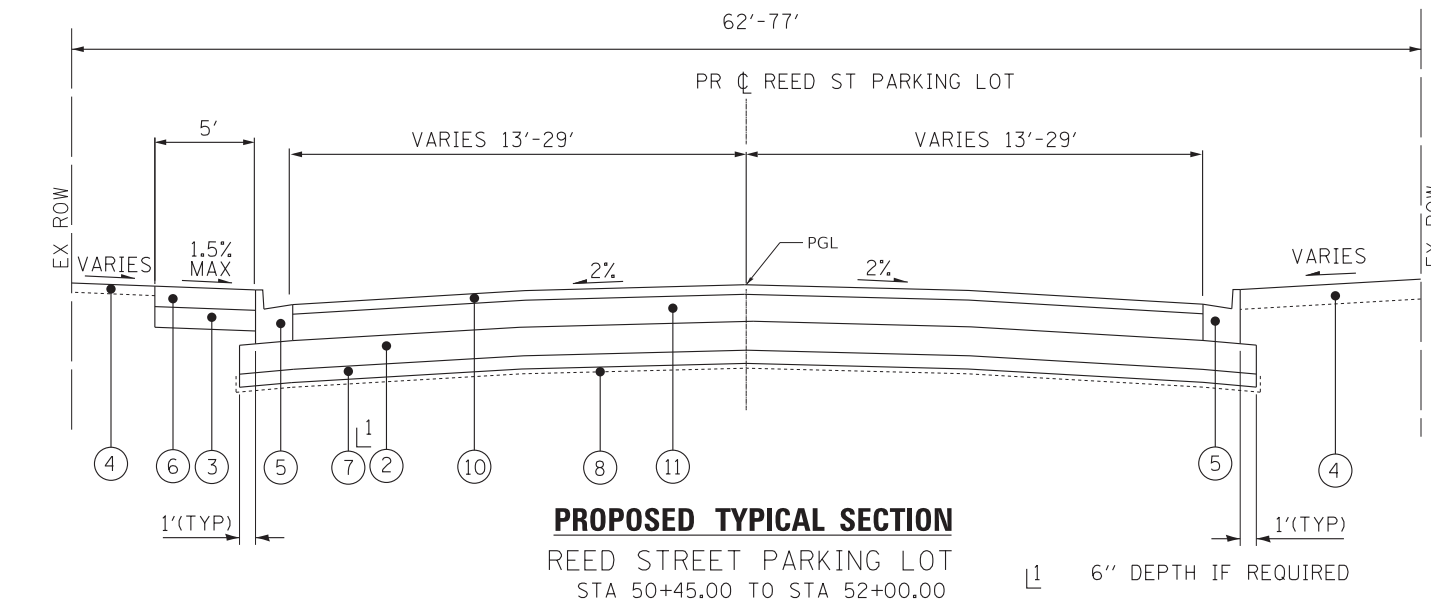
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS AND HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
SCALE: NONE	SHEET 3 OF 5 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	19
CONTRACT NO. 61H26				
ILLINOIS FED. AID PROJECT NIW7(436)				

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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PROPOSED LEGEND

- ① HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 7 1/2"
- ② AGGREGATE SUBGRADE IMPROVEMENT 12"
- ③ AGGREGATE BASE COURSE, TYPE B, 4"
- ④ TOPSOIL EXCAVATION AND PLACEMENT, 6"
SODDING, SALT TOLERANT
- ⑤ COMBINATION CONCRETE CURB AND GUTTER, TYPE B.6-12
- ⑥ PCC SIDEWALK, 5-INCH
- ⑦ REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS
** AGGREGATE SUBGRADE IMPROVEMENT (CU YD)
- ⑧ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ⑨ HMA OR PCC DRIVEWAY PAVEMENT
- ⑩ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5MM) - 2"
- ⑪ HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50 - 4"
- ⑫ DECORATIVE STREET LIGHTING - POST MOUNTED
- ⑬ AGGREGATE WEDGE SHOULDER, TYPE B
- ⑭ AGGREGATE BASE COURSE, TYPE B 6"
- ⑮ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, (IL 9.5mm), 1 1/2"
- ⑯ POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- ⑰ HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50 - 2 1/2"
- ⑱ CLASS D PATCH - 6"

NOTES:

- **AGGREGATE SUBGRADE IMPROVEMENT (ASI) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.03 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS ENCOUNTERED, THE SOILS SHALL BE REMOVED AND REPLACED WITH ASI OR EMBANKMENT AS DETERMINED BY THE ENGINEER. THE REMOVAL AND REPLACEMENT AREA SHALL EXTEND TO 12 INCHES BEYOND THE BACK OF CURB AND GUTTER AND COME UP AT A 1:1 SLOPE TO AGGREGATE SUBGRADE IMPROVEMENT 4". THESE LIMITS MAY BE ALTERED BY THE ENGINEER IF FIELD CONDITIONS SO WARRANT. REMOVAL OF THESE UNSUITABLE SOILS SHALL BE PAID FOR AS "REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL." ANY ASI AND REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR GROUND STABILIZATION NOT NEEDED AT THE TIME OF CONSTRUCTION SHALL BE DELETED FROM THE CONTRACT.
- PIPE UNDERDRAINS, TYPE 2, 4" SHALL BE PLACED TO DRAIN THE LOW AREAS OF THE ROAD AND AT THE BASE OF UNDERCUTS AREAS REPLACED BY AGGREGATE SUBGRADE IMPROVEMENT. TRANSVERSE UNDERDRAINS SHALL BE PLACED IN THE LOW POINTS WHERE THE ROAD WILL BE RECONSTRUCTED AND CONNECTED TO NEAREST DRAINAGE STRUCTURE. PIPE UNDERDRAINS, TYPE 2, 4" SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

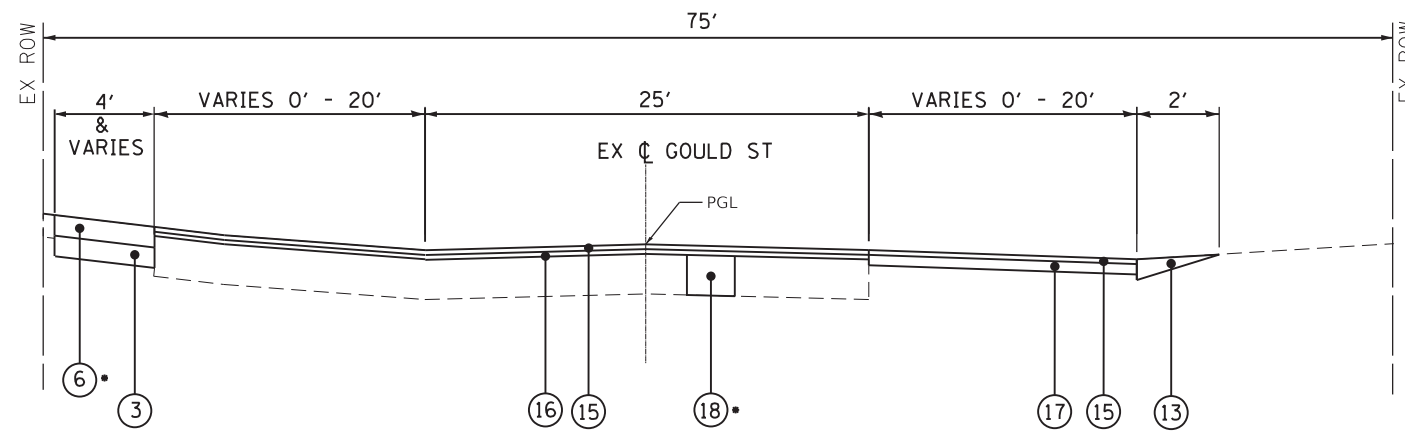


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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS AND HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
SCALE: NONE	SHEET 4 OF 5 SHEETS
STA.	TO STA.

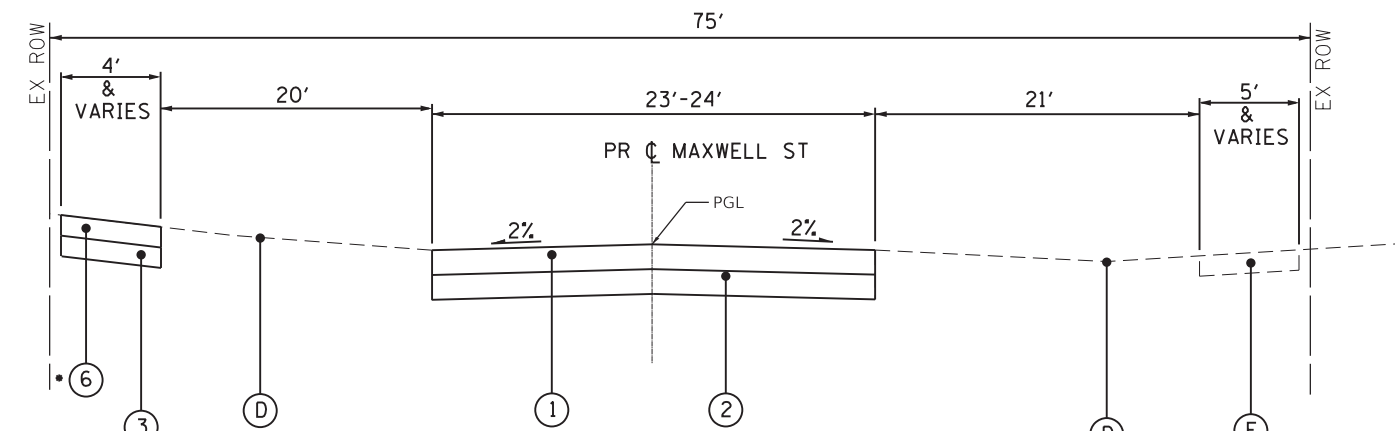
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	20
CONTRACT NO. 61H26				
ILLINOIS FED. AID PROJECT NIW7(436)				



• AS DETERMINED BY THE ENGINEER

PROPOSED TYPICAL SECTION

GOULD STREET
STA 20+38.00 TO STA 26+41.00



• AS DETERMINED BY THE ENGINEER

PROPOSED TYPICAL SECTION

MAXWELL STREET
STA 80+00.00 TO STA 81+18.00

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Ndes	QMP
HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 7 1/2"		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, (IL 9.5mm), 2"	4% @ 50 GYR	LR1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 5 1/2"	4% @ 50 GYR	LR1030-2
HOT-MIX ASPHALT RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, (IL 9.5mm), 1 1/2"	4% @ 50 GYR	LR1030-2
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"	3.5% @ 50 GYR	LR1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2 1/2"	4% @ 50 GYR	LR1030-2
CLASS D PATCHES (HMA BINDER IL-19.0), 6"	4% @ 50 GYR	LR1030-2
HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8" & 10"		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm), 2"	4% @ 50 GYR	LR1030-2
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19) N50; PE - 6", CE - 8"	4% @ 50 GYR	LR1030-2
PARKING LOTS		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, (IL 9.5mm), 2"	4% @ 50 GYR	LR1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 4"	4% @ 50 GYR	LR1030-2
TEMPORARY PAVEMENT		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, (IL 9.5mm), 2"	4% @ 50 GYR	LR1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 4"	4% @ 50 GYR	LR1030-2
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR1030-2		

- NOTES:
- 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 RECLAIMED MATERIALS SPECIFICATIONS.

PROPOSED LEGEND

- | | |
|---|--|
| ① HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 7 1/2": | ⑩ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5MM) - 2" |
| ② AGGREGATE SUBGRADE IMPROVEMENT 12" | ⑪ HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50 - 4" |
| ③ AGGREGATE BASE COURSE, TYPE B, 4" | ⑫ DECORATIVE STREET LIGHTING - POST MOUNTED |
| ④ TOPSOIL EXCAVATION AND PLACEMENT, 6"
SODDING, SALT TOLERANT | ⑬ AGGREGATE WEDGE SHOULDER, TYPE B |
| ⑤ COMBINATION CONCRETE CURB AND GUTTER, TYPE B.6-12 | ⑭ AGGREGATE BASE COURSE, TYPE B 6" |
| ⑥ PCC SIDEWALK, 5-INCH | ⑮ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, (IL 9.5mm), 1 1/2" |
| ⑦ REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS
** AGGREGATE SUBGRADE IMPROVEMENT (CU YD) | ⑯ POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4" |
| ⑧ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION | ⑰ HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50 - 2 1/2" |
| ⑨ HMA OR PCC DRIVEWAY PAVEMENT | ⑱ CLASS D PATCH - 6" |

NOTES:

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- TEMPORARY PAVEMENT SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ART. 1020 OF THE STANDARD SPECIFICATIONS; THICKNESS SHALL BE 8". TEMPORARY PCC PAVEMENT DOES NOT REQUIRE DOWEL BARS.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS AND HOT-MIX ASPHALT
MIXTURE REQUIREMENTS**

SCALE: NONE SHEET 5 OF 5 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	21
CONTRACT NO. 61H26				
ILLINOIS FED. AID PROJECT NIW7(436)				

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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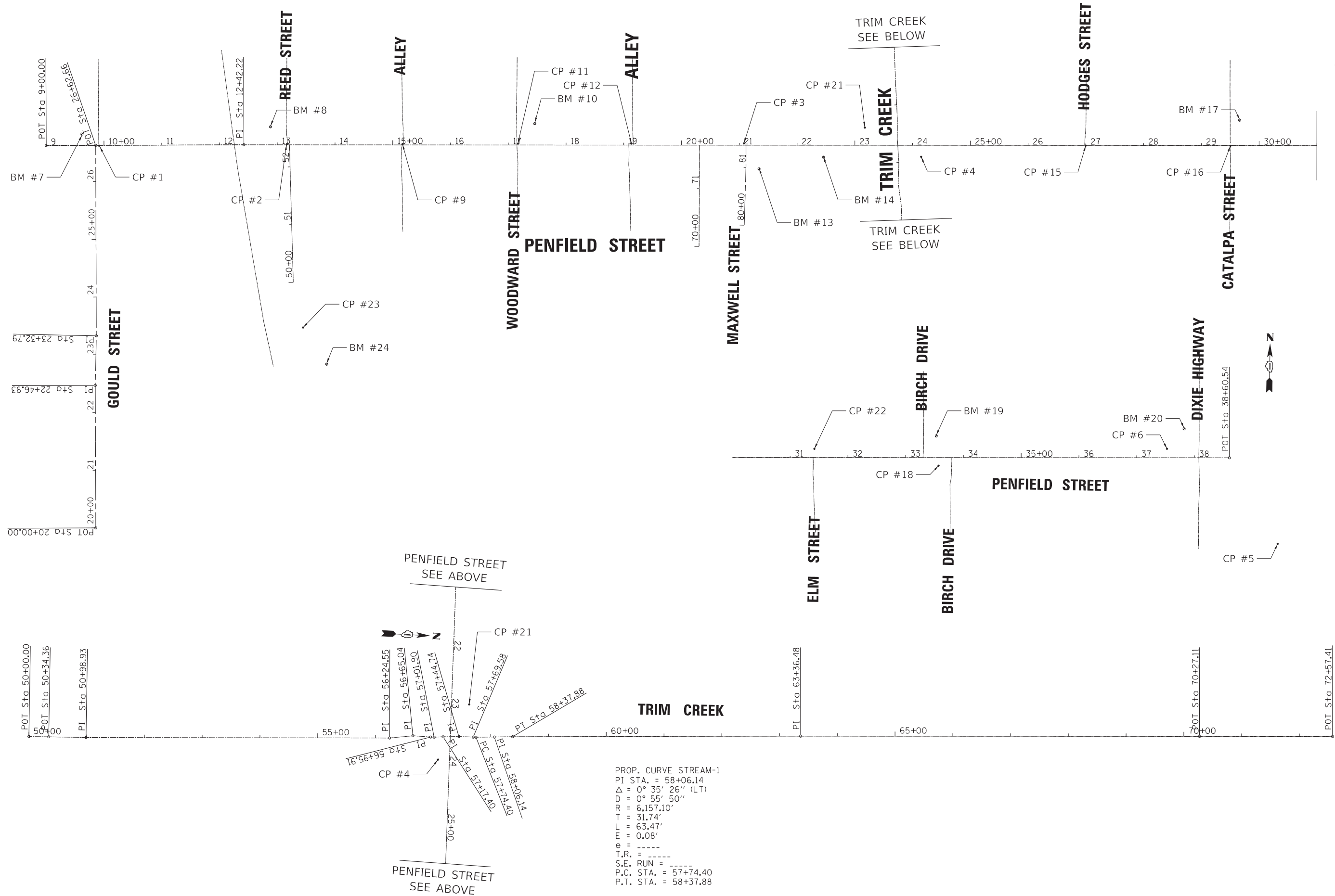
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ALIGNMENTS, TIES AND BENCHMARKS

SCALE: 1" = 80' SHEET 1 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	25
CONTRACT NO. 61H26			ILLINOIS FED. AID PROJECT NIW7(436)	



PENFIELD STREET

Beginning chain PENFIELD description

Point G1 N 1,703,775.95 E 1,176,845.83 Sta 9+00

Course from G1 to G2 N 88° 49' 50" E Dist 342.22

Point G2 N 1,703,782.94 E 1,177,187.97 Sta 12+42

Course from G2 to G3 N 89° 06' 22" E Dist 2,618.32

Point G3 N 1,703,823.78 E 1,179,805.98 Sta 38+61

Ending chain PENFIELD description

REED STREET PARKING

Beginning chain REED PL description

Point H7 N 1,703,546.13 E 1,177,277.38 Sta 50+00

Course from H7 to H8 N 2° 31' 03" W Dist 238.27

Point H8 N 1,703,784.17 E 1,177,266.92 Sta 52+38

Ending chain REED PL description

MAXWELL STREET PARKING

Beginning chain MAX PL description

Point M1 N 1,703,619.93 E 1,177,978.89 Sta 70+00

Course from M1 to M2 N 0° 44' 03" W Dist 175.32

Point M2 N 1,703,795.24 E 1,177,976.64 Sta 71+75

Ending chain MAX PL description

GOULD STREET

Beginning chain GOULD description

Feature: Geom Pr Centerline

Point GOULD1 N 1,703,115.16 E 1,176,942.55 Sta 20+00

Course from GOULD1 to GOULD3 N 1° 08' 53" W Dist 246.93

Point GOULD3 N 1,703,362.03 E 1,176,937.60 Sta 22+47

Course from GOULD3 to GOULD5 N 0° 16' 07" E Dist 85.87

Point GOULD5 N 1,703,447.90 E 1,176,938.00 Sta 23+33

Course from GOULD5 to GOULD6 N 1° 08' 24" W Dist 329.87

Point GOULD6 N 1,703,777.70 E 1,176,931.44 Sta 26+63

Ending chain GOULD description

TRIM CREEK

Beginning chain STREAM description

Point ST01 N 1,703,072.01 E 1,178,357.83 Sta 50+00

Course from ST01 to ST02 N 2° 03' 09" W Dist 34.36

Point ST02 N 1,703,106.35 E 1,178,356.60 Sta 50+34

Course from ST02 to ST03 N 2° 03' 09" W Dist 64.58

Point ST03 N 1,703,170.88 E 1,178,354.29 Sta 50+99

Course from ST03 to ST04 N 2° 53' 23" W Dist 525.62

Point ST04 N 1,703,695.84 E 1,178,327.79 Sta 56+25

Course from ST04 to ST05 N 8° 30' 56" W Dist 40.48

Point ST05 N 1,703,735.87 E 1,178,321.79 Sta 56+65

Course from ST05 to ST06 N 1° 09' 02" E Dist 30.87

Point ST06 N 1,703,766.74 E 1,178,322.41 Sta 56+96

Course from ST06 to ST07 N 1° 16' 59" W Dist 5.98

Point ST07 N 1,703,772.72 E 1,178,322.28 Sta 57+02

Course from ST07 to ST08 N 5° 04' 48" W Dist 15.50

Point ST08 N 1,703,788.17 E 1,178,320.91 Sta 57+17

Course from ST08 to ST09 N 4° 10' 36" W Dist 27.34

Point ST09 N 1,703,815.44 E 1,178,318.91 Sta 57+45

Course from ST09 to ST10 N 0° 28' 31" W Dist 24.84

Point ST10 N 1,703,840.28 E 1,178,318.71 Sta 57+70

Course from ST10 to PC STREAM-1 N 1° 50' 25" W Dist 4.82

Curve Data

Curve STREAM-1
 P.I. Station 58+06 N 1,703,876.77 E 1,178,316.63
 Delta = 0° 35' 26" (LT)
 Degree = 0° 55' 50"
 Tangent = 31.74
 Length = 63.47
 Radius = 6,157.10
 External = 0.08
 Long Chord = 63.47
 Mid. Ord. = 0.08
 P.C. Station 57+74 N 1,703,845.09 E 1,178,318.55
 P.T. Station 58+38 N 1,703,908.43 E 1,178,314.38
 C.C. N 1,703,472.02 E 1,172,172.76
 Back = N 3° 28' 26" W
 Ahead = N 4° 03' 52" W
 Chord Bear = N 3° 46' 09" W

Course from PT STREAM-1 to ST11 N 3° 05' 56" W Dist 498.61

Point ST11 N 1,704,406.31 E 1,178,287.43 Sta 63+36

Course from ST11 to ST12 N 2° 57' 24" W Dist 690.63

Point ST12 N 1,705,096.01 E 1,178,251.80 Sta 70+27

Course from ST12 to ST13 N 2° 57' 24" W Dist 230.30

Point ST13 N 1,705,326.00 E 1,178,239.92 Sta 72+57

Ending chain STREAM description

MAXWELL STREET

Beginning chain MAXWELLST description

Feature: Geom_Pr_Centerline

Point MAXWELLST1 N 1,703,657.82 E 1,178,056.52 Sta 80+00

Course from MAXWELLST1 to MAXWELLST3 N 0° 44' 48" E Dist 101.63

Point MAXWELLST3 N 1,703,759.45 E 1,178,057.85 Sta 81+02

Course from MAXWELLST3 to MAXWELLST4 N 0° 53' 38" W Dist 37.06

Point MAXWELLST4 N 1,703,796.50 E 1,178,057.27 Sta 81+39

Ending chain MAXWELLST description

BENCHMARKS

- BM #7 SOUTH BONNET BOLT ON FIRE HYDRANT ON NORTHWEST CORNER OF PENFIELD STREET AND GOULD STREET
ELEV = 731.338 (NAVD 88)
- BM #8 SOUTH BONNET BOLT ON FIRE HYDRANT ON NORTHWEST CORNER OF PENFIELD STREET AND REED STREET
ELEV = 726.216 (NAVD 88)
- BM #10 NORTHWEST BONNET BOLT ON FIRE HYDRANT ON NORTHEAST CORNER OF PENFIELD STREET AND WOODWARD STREET
ELEV = 714.650 (NAVD 88)
- BM #13 EAST ARROW BOLT ON FIRE HYDRANT ON SOUTHEAST CORNER OF PENFIELD STREET AND MAXWELL STREET
ELEV = 708.381 (NAVD 88)
- BM #14 RAILROAD SPIKE SET IN NORTH FACE OF POWER POLE ON SOUTH SIDE OF PENFIELD STREET WEST OF TRIM CREEK
ELEV = 706.786 (NAVD 88)
- BM #17 NORTHWEST BONNET BOLT ON FIRE HYDRANT ON NORTHEAST CORNER OF PENFIELD STREET AND CATALPA STREET
ELEV = 719.932 (NAVD 88)
- BM #19 NORTHWEST BONNET BOLT ON FIRE HYDRANT ON NORTHEAST CORNER OF PENFIELD STREET AND BIRCH STREET
ELEV = 731.132 (NAVD 88)
- BM #20 NORTH ARROW BOLT ON FIRE HYDRANT ON NORTHWEST CORNER OF PENFIELD STREET AND DIXIE HIGHWAY
ELEV = 748.378 (NAVD 88)
- BM #24 NORTHWEST BONNET BOLT ON FIRE HYDRANT SOUTH OF REED STREET BEHIND STRIPMALL
ELEV = 723.887 (NAVD 88)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENTS, TIES AND BENCHMARKS

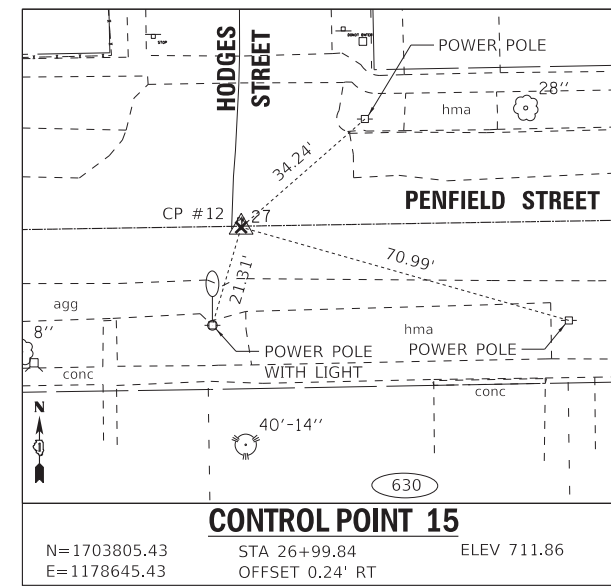
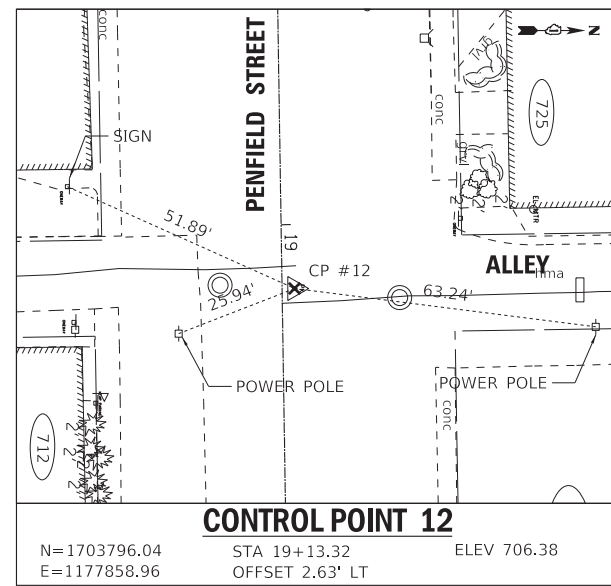
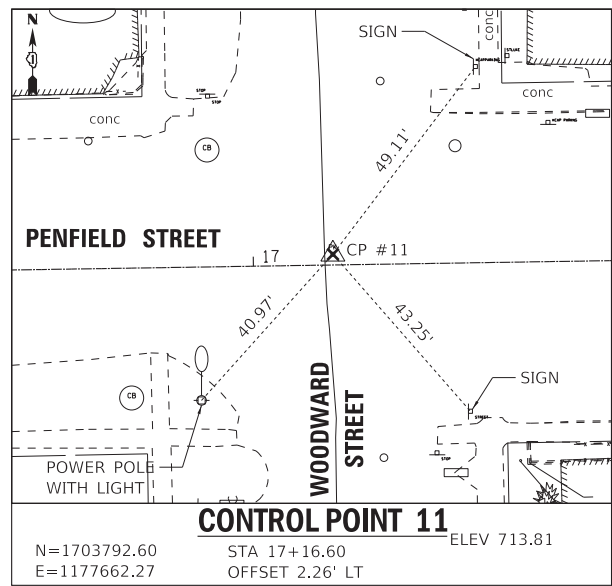
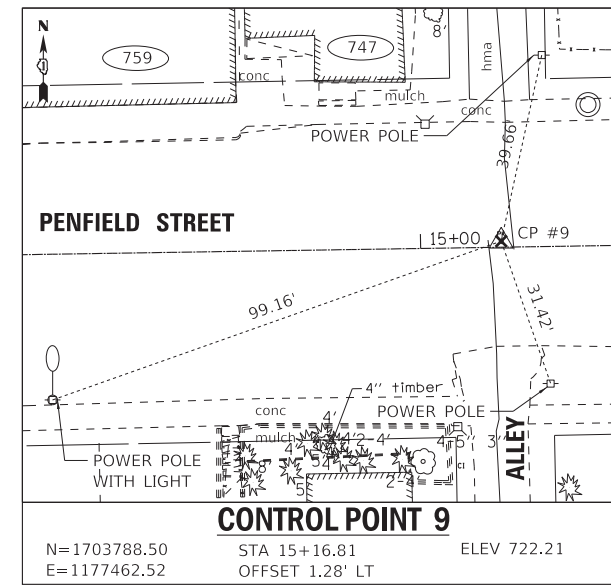
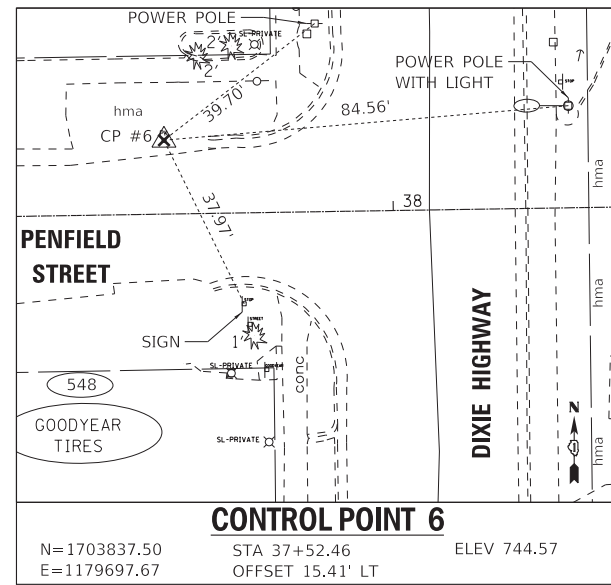
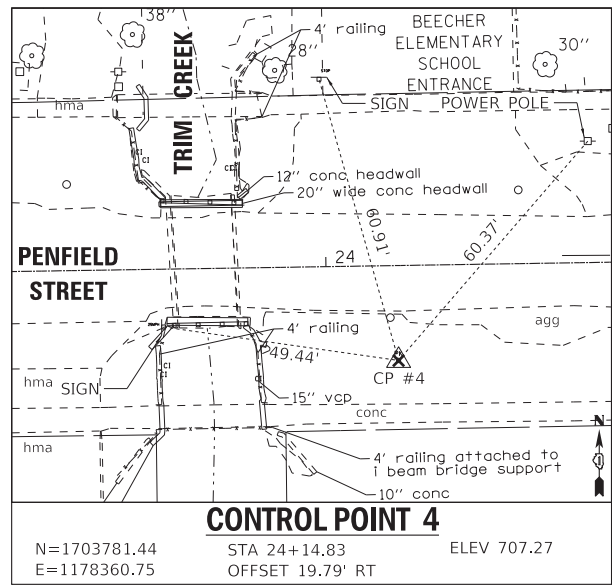
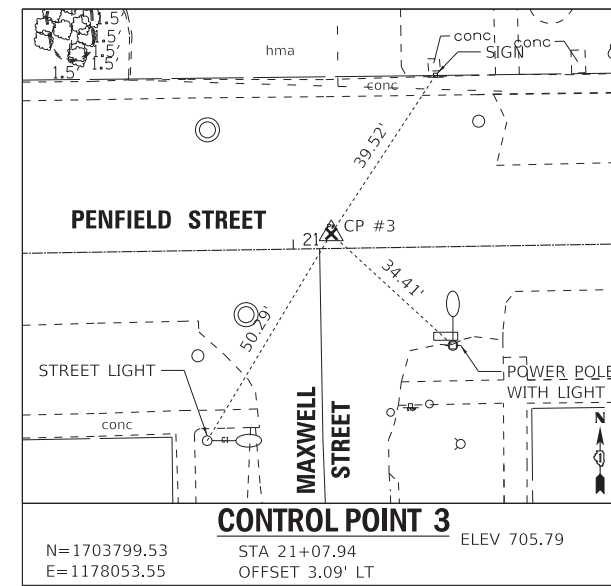
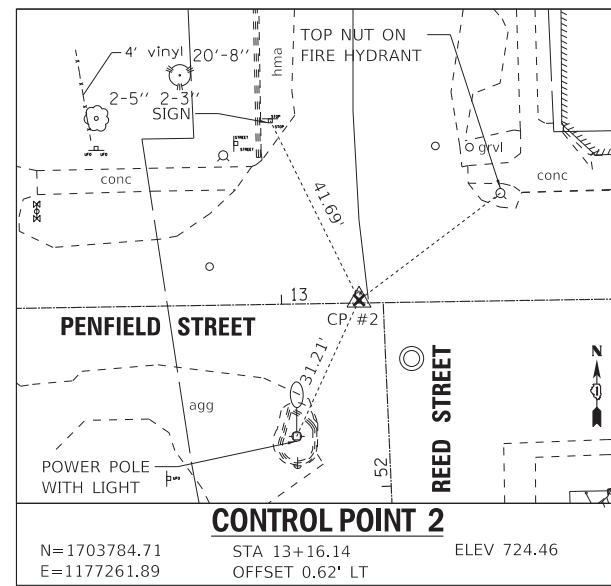
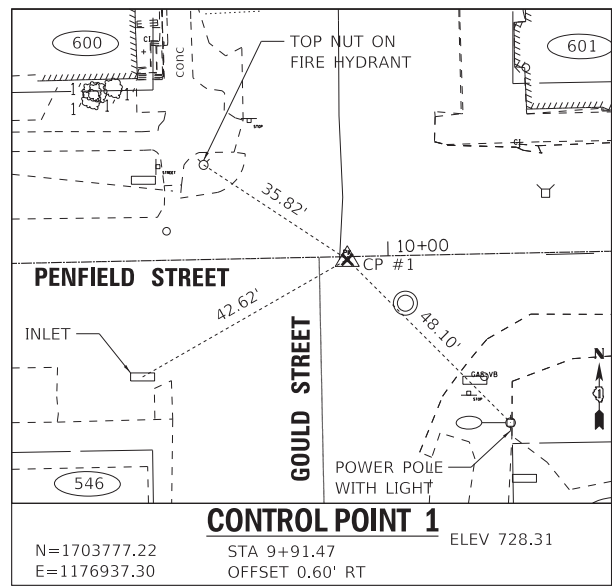
SCALE: 1" = 80' SHEET 2 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	26
			CONTRACT NO. 61H26	
		ILLINOIS	FED. AID PROJECT NIW7(436)	

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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	DATE - 11-03-21	FILE - 130899_SHT-Align2.dgn



**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ALIGNMENT, TIES AND BENCHMARKS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	27
CONTRACT NO. 61H26				
ILLINOIS FED. AID PROJECT NIW7(436)				

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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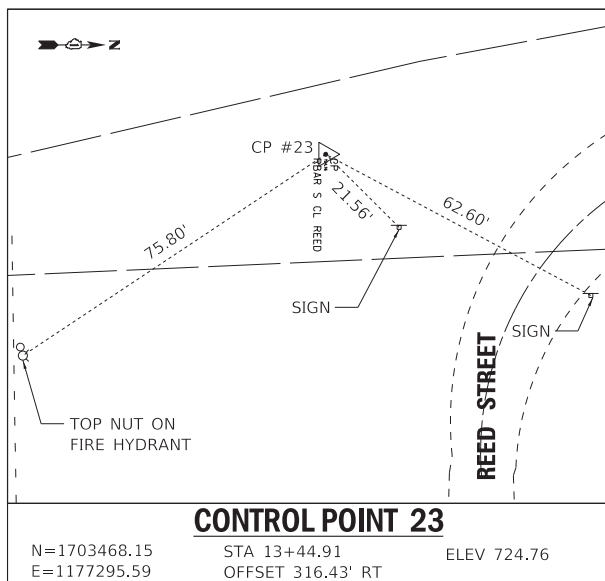
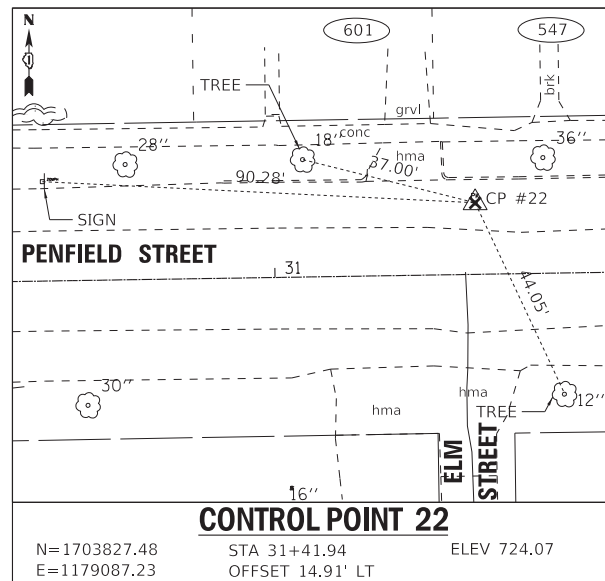
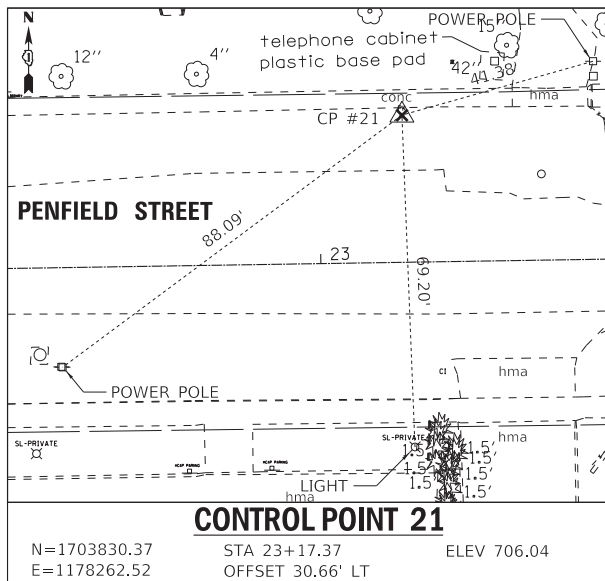
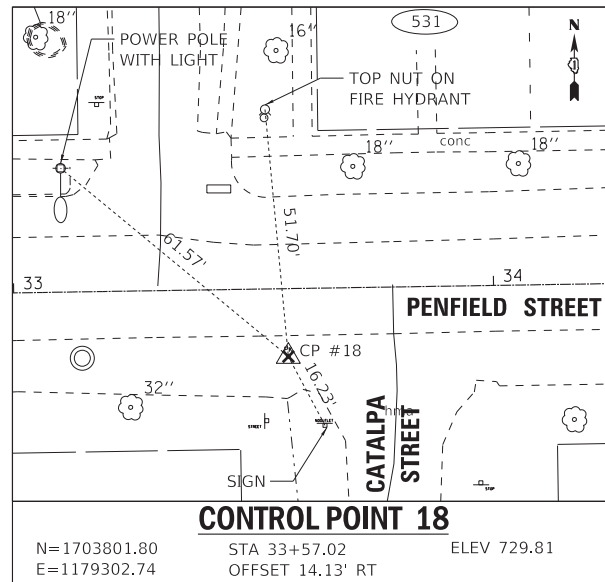
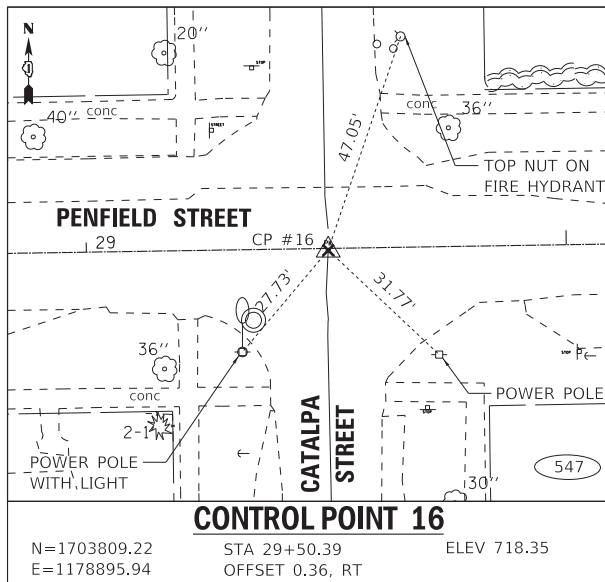


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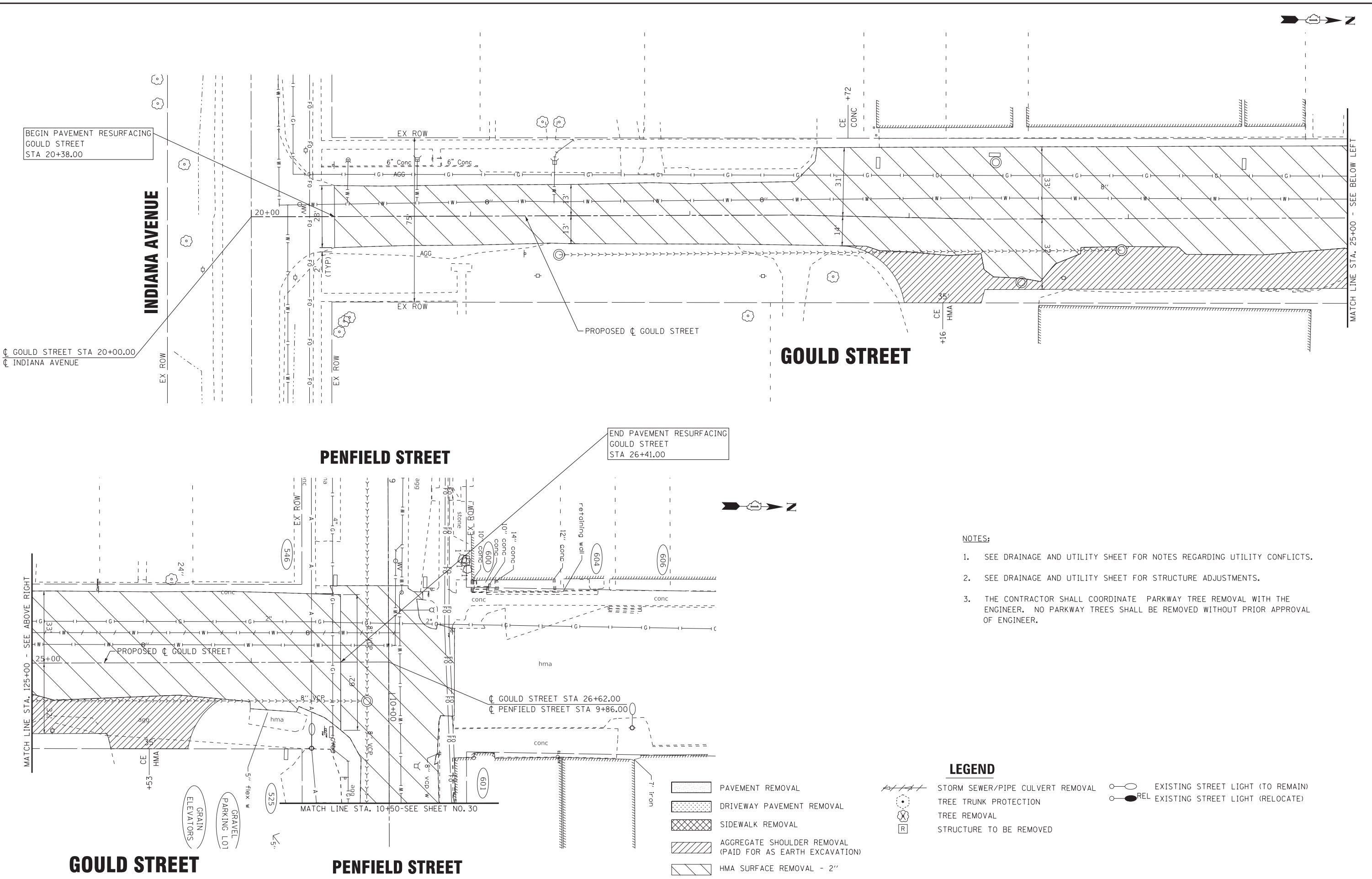
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ALIGNMENT, TIES AND BENCHMARKS		
SCALE: 1" = 20'	SHEET 4 OF 4 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	28
CONTRACT NO. 61H26				
ILLINOIS FED. AID PROJECT NIW7(436)				



STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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- NOTES:**
- SEE DRAINAGE AND UTILITY SHEET FOR NOTES REGARDING UTILITY CONFLICTS.
 - SEE DRAINAGE AND UTILITY SHEET FOR STRUCTURE ADJUSTMENTS.
 - THE CONTRACTOR SHALL COORDINATE PARKWAY TREE REMOVAL WITH THE ENGINEER. NO PARKWAY TREES SHALL BE REMOVED WITHOUT PRIOR APPROVAL OF ENGINEER.

LEGEND

- PAVEMENT REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- AGGREGATE SHOULDER REMOVAL (PAID FOR AS EARTH EXCAVATION)
- HMA SURFACE REMOVAL - 2"
- STORM SEWER/PIPE CULVERT REMOVAL
- TREE TRUNK PROTECTION
- TREE REMOVAL
- STRUCTURE TO BE REMOVED
- EXISTING STREET LIGHT (TO REMAIN)
- EXISTING STREET LIGHT (RELOCATE)

GOULD STREET **PENFIELD STREET**

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

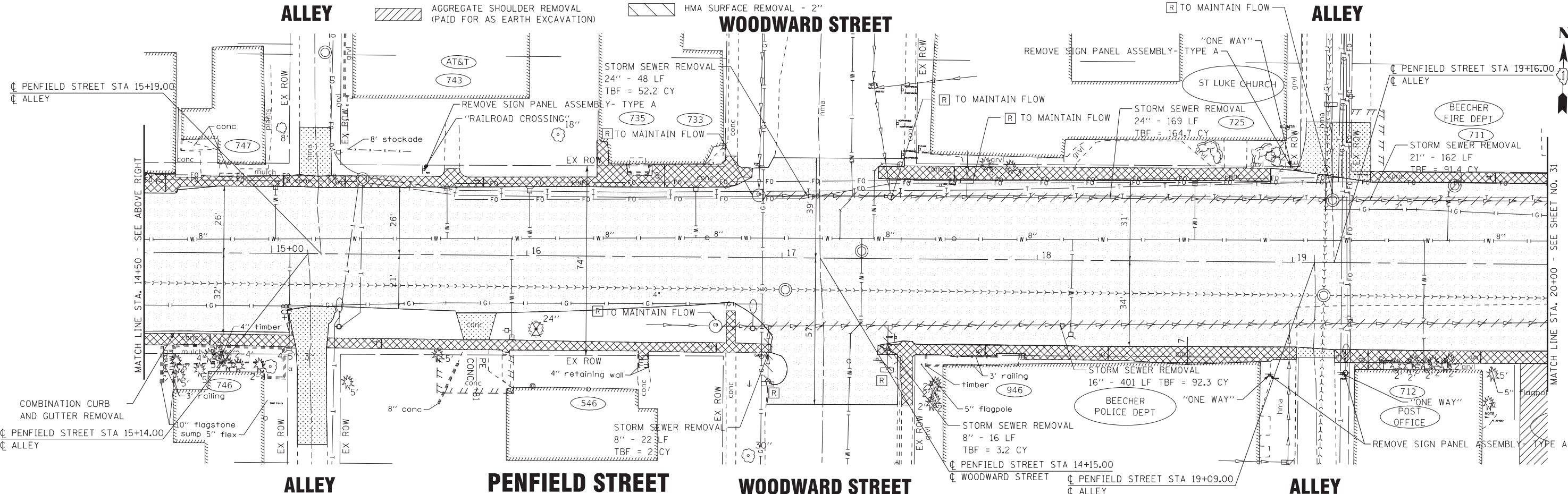
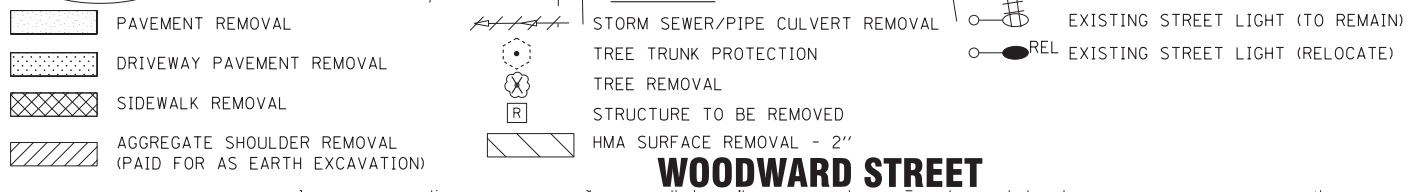
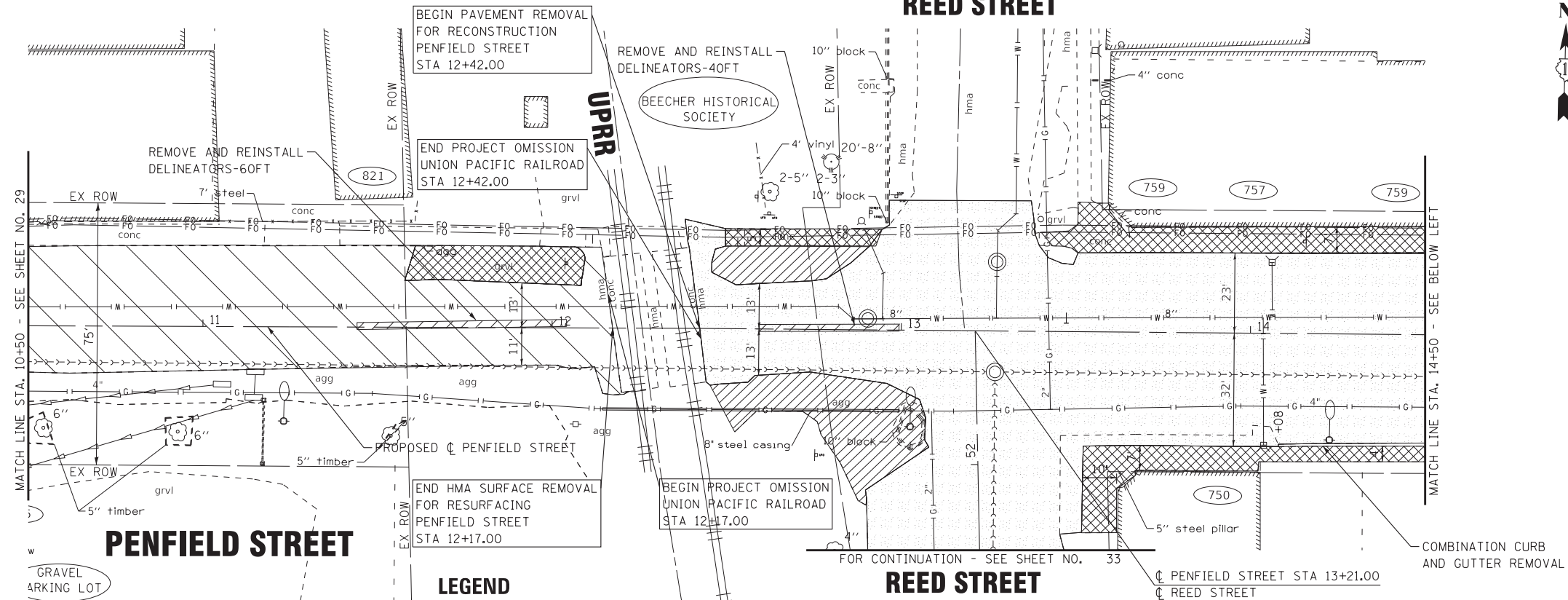
**EXISTING CONDITIONS AND REMOVAL PLAN
 - GOULD STREET**

BAXTER & WOODMAN Consulting Engineers	USER NAME = ccode	DESIGNED - CAC	REVISED -
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	PLOT DATE = 11/4/2021	CHECKED - TMS	REVISED -
		DATE - 11-03-21	FILE - 130899_SHT-Removal_Gould.dgn

SCALE: 1" = 20'	SHEET 1 OF 5 SHEETS	STA. 20+00 TO STA. 26+41	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			423	15-00020-00-FP	WILL	117	29
			CONTRACT NO. 61H26				
			ILLINOIS FED. AID PROJECT NIW7(436)				

NOTES:

1. SEE DRAINAGE AND UTILITY SHEET FOR NOTES REGARDING UTILITY CONFLICTS.
2. SEE DRAINAGE AND UTILITY SHEET FOR STRUCTURE ADJUSTMENTS.
3. THE CONTRACTOR SHALL COORDINATE PARKWAY TREE REMOVAL WITH THE ENGINEER. NO PARKWAY TREES SHALL BE REMOVED WITHOUT PRIOR APPROVAL OF ENGINEER.



STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM LICENSE NO. - 184-001121 - EXPIRES 4/30/2022
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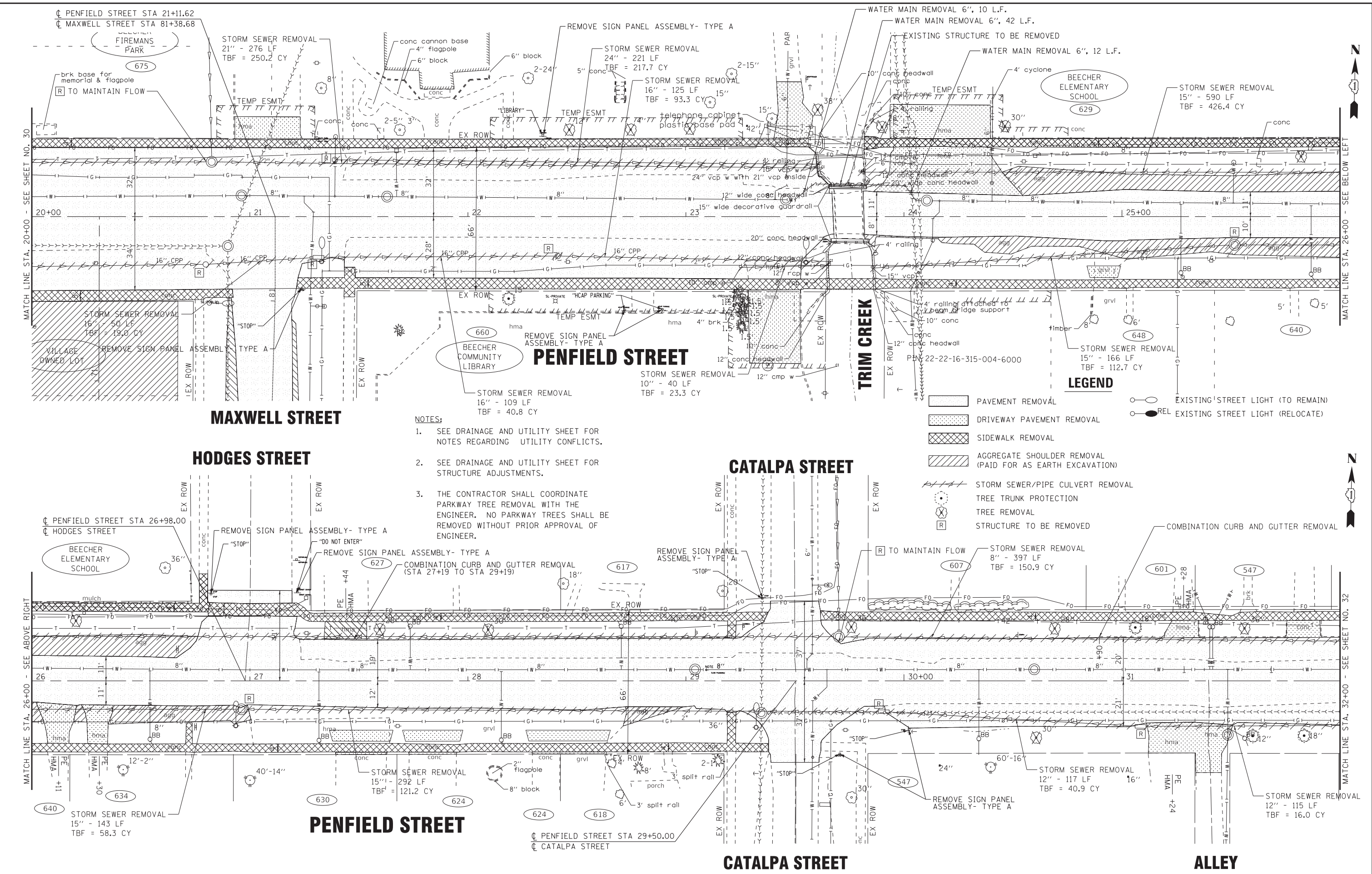
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING CONDITIONS AND REMOVAL PLAN
- PENFIELD STREET
 SCALE: 1" = 20' SHEET 2 OF 5 SHEETS STA. 10+50 TO STA. 20+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	30
ILLINOIS FED. AID PROJECT NIW7(436)			CONTRACT NO. 61H26	

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- NOTES:**
- SEE DRAINAGE AND UTILITY SHEET FOR NOTES REGARDING UTILITY CONFLICTS.
 - SEE DRAINAGE AND UTILITY SHEET FOR STRUCTURE ADJUSTMENTS.
 - THE CONTRACTOR SHALL COORDINATE PARKWAY TREE REMOVAL WITH THE ENGINEER. NO PARKWAY TREES SHALL BE REMOVED WITHOUT PRIOR APPROVAL OF ENGINEER.

BAXTER & WOODMAN
 Consulting Engineers

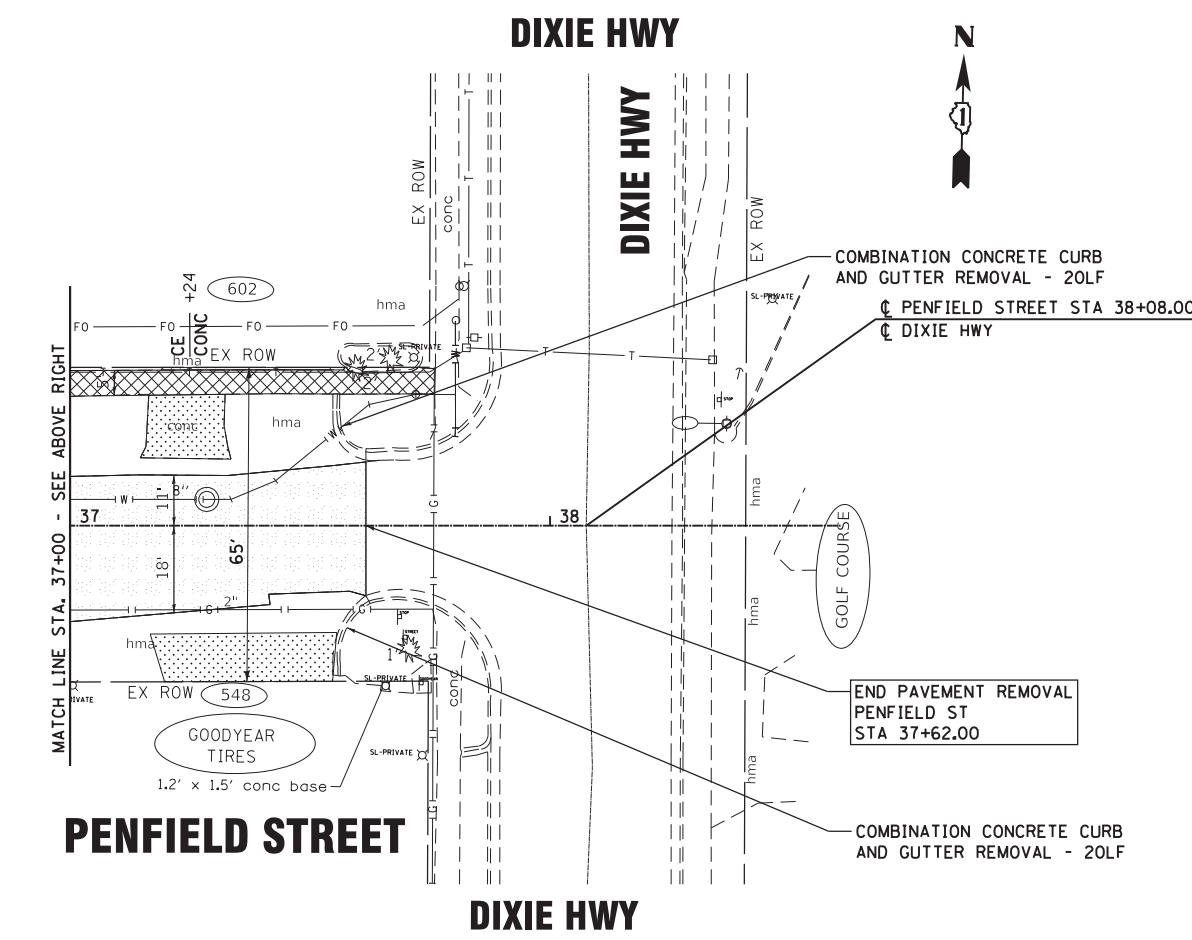
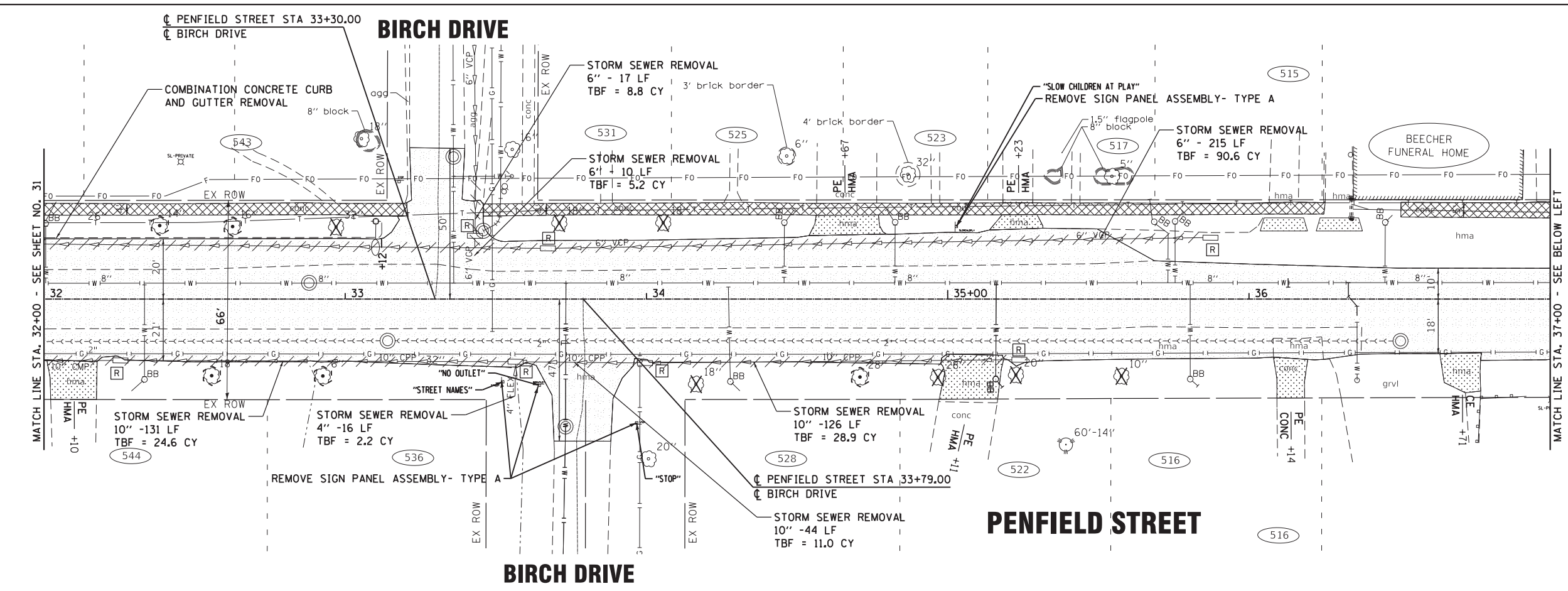
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING CONDITIONS AND REMOVAL PLAN
 - PENFIELD STREET
 SCALE: 1" = 20'
 SHEET 3 OF 5 SHEETS
 STA. 20+00 TO STA. 32+00

F.A. RTE. 423	SECTION 15-00020-00-FP	COUNTY WILL	TOTAL SHEETS 117	SHEET NO. 31
CONTRACT NO. 61H26				
ILLINOIS FED. AID PROJECT NIW7(436)				

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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LEGEND

	PAVEMENT REMOVAL		EXISTING STREET LIGHT (TO REMAIN)
	DRIVEWAY PAVEMENT REMOVAL		EXISTING STREET LIGHT (RELOCATE)
	SIDWALK REMOVAL		
	AGGREGATE SHOULDER REMOVAL (PAID FOR AS EARTH EXCAVATION)		
	STORM SEWER/PIPE CULVERT REMOVAL		
	TREE TRUNK PROTECTION		
	TREE REMOVAL		
	STRUCTURE TO BE REMOVED		

- NOTES:**
- SEE DRAINAGE AND UTILITY SHEET FOR NOTES REGARDING UTILITY CONFLICTS.
 - SEE DRAINAGE AND UTILITY SHEET FOR STRUCTURE ADJUSTMENTS.
 - THE CONTRACTOR SHALL COORDINATE PARKWAY TREE REMOVAL WITH THE ENGINEER. NO PARKWAY TREES SHALL BE REMOVED WITHOUT PRIOR APPROVAL OF ENGINEER.

BAXTER & WOODMAN Consulting Engineers	USER NAME = ccode	DESIGNED - CAC	REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EXISTING CONDITIONS AND REMOVAL PLAN
 - PENFIELD STREET**

SCALE: 1" = 20' SHEET 4 OF 5 SHEETS STA. 32+00 TO STA. 38+08

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	32
CONTRACT NO. 61H26				
ILLINOIS FED. AID PROJECT NIW7(436)				

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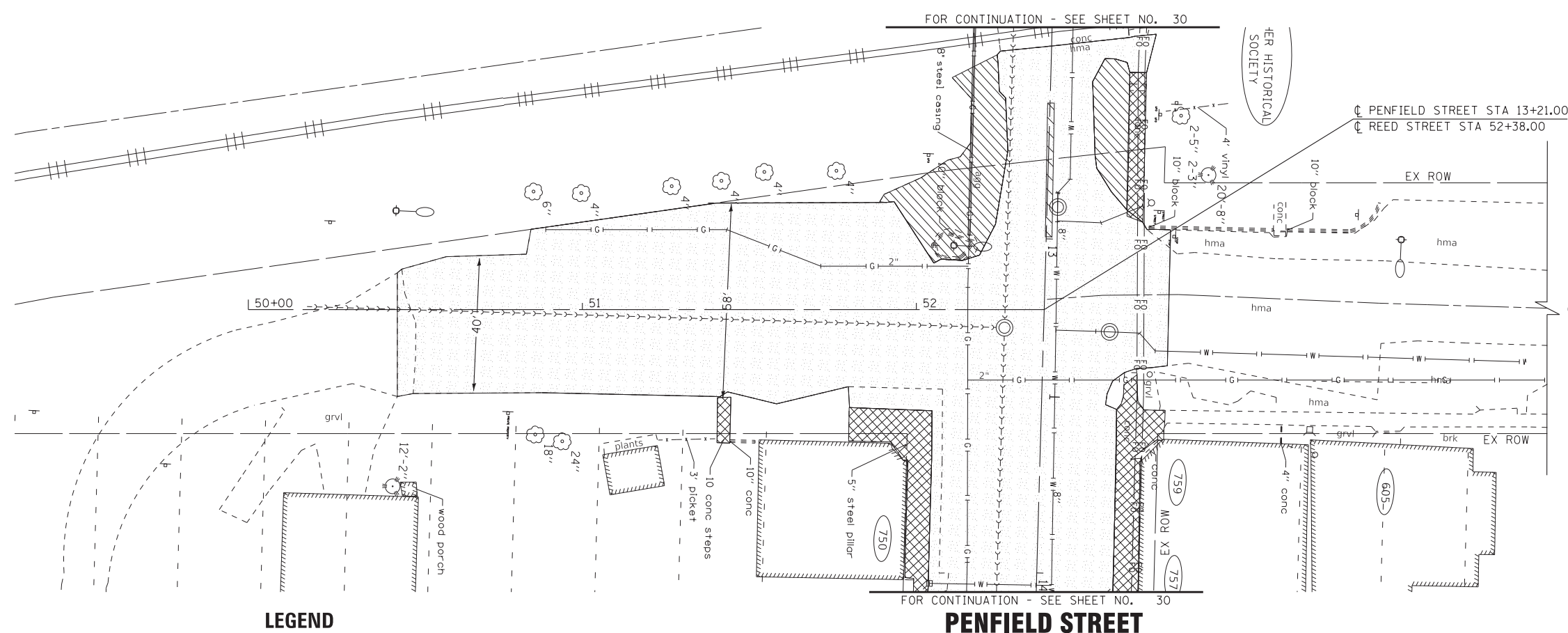


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	DATE - 11-03-21	FILE - 130899_SS2_SHT-Removal4.dgn

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING CONDITIONS AND REMOVAL PLAN
 - REED STREET AND MAXWELL STREET
 SCALE: 1" = 20'

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	33
CONTRACT NO. 61H26				
ILLINOIS FED. AID PROJECT NIW7(436)				



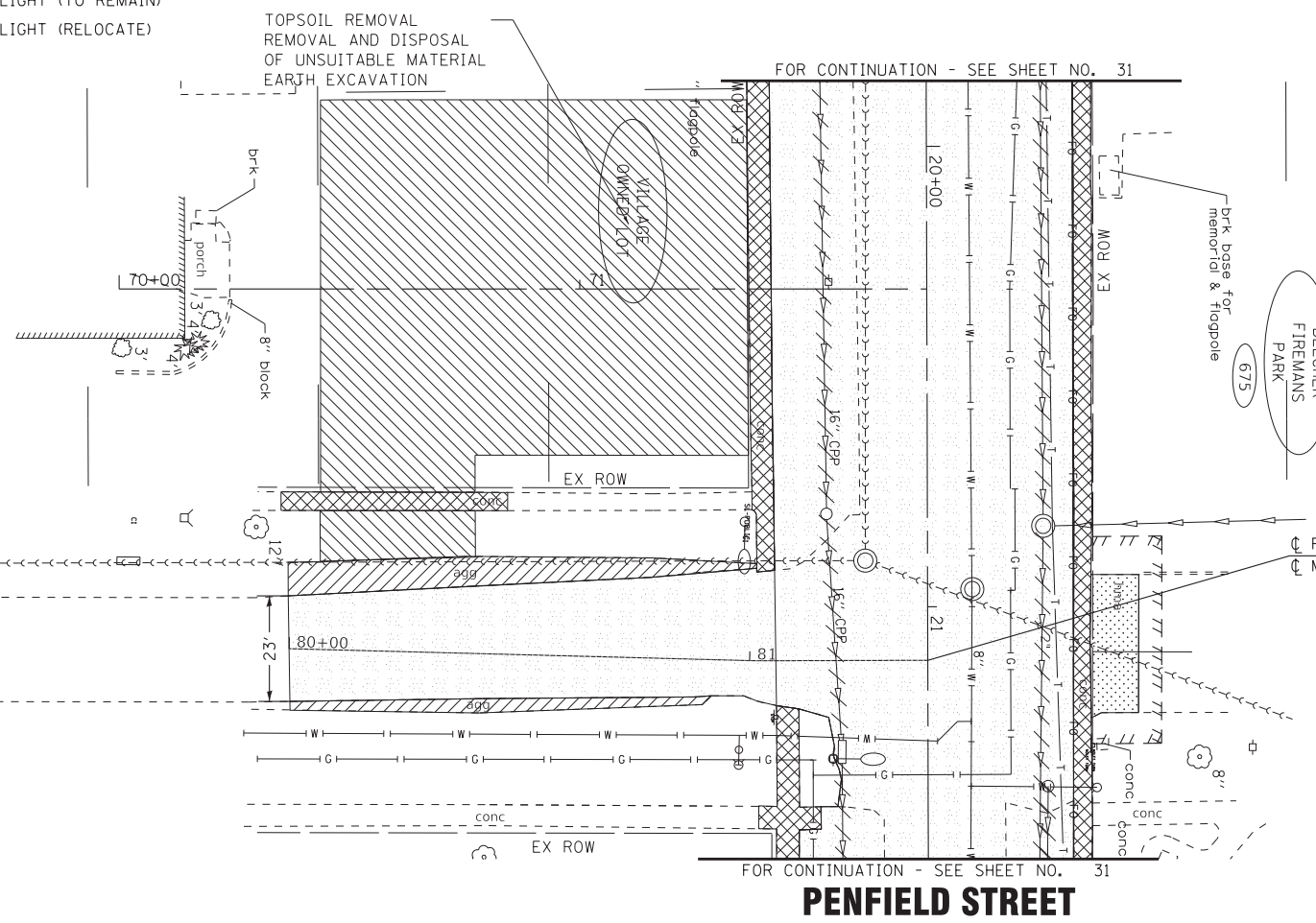
REED STREET

PENFIELD STREET

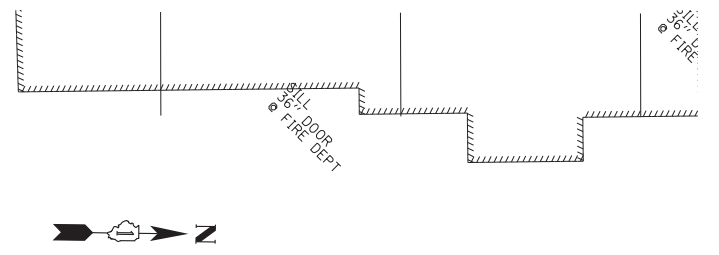
LEGEND

	PAVEMENT REMOVAL		EXISTING STREET LIGHT (TO REMAIN)
	DRIVEWAY PAVEMENT REMOVAL		REL EXISTING STREET LIGHT (RELOCATE)
	SIDEWALK REMOVAL		
	AGGREGATE SHOULDER REMOVAL (PAID FOR AS EARTH EXCAVATION)		
	STORM SEWER/PIPE CULVERT REMOVAL		
	TREE TRUNK PROTECTION		
	TREE REMOVAL		
	STRUCTURE TO BE REMOVED		

MAXWELL STREET

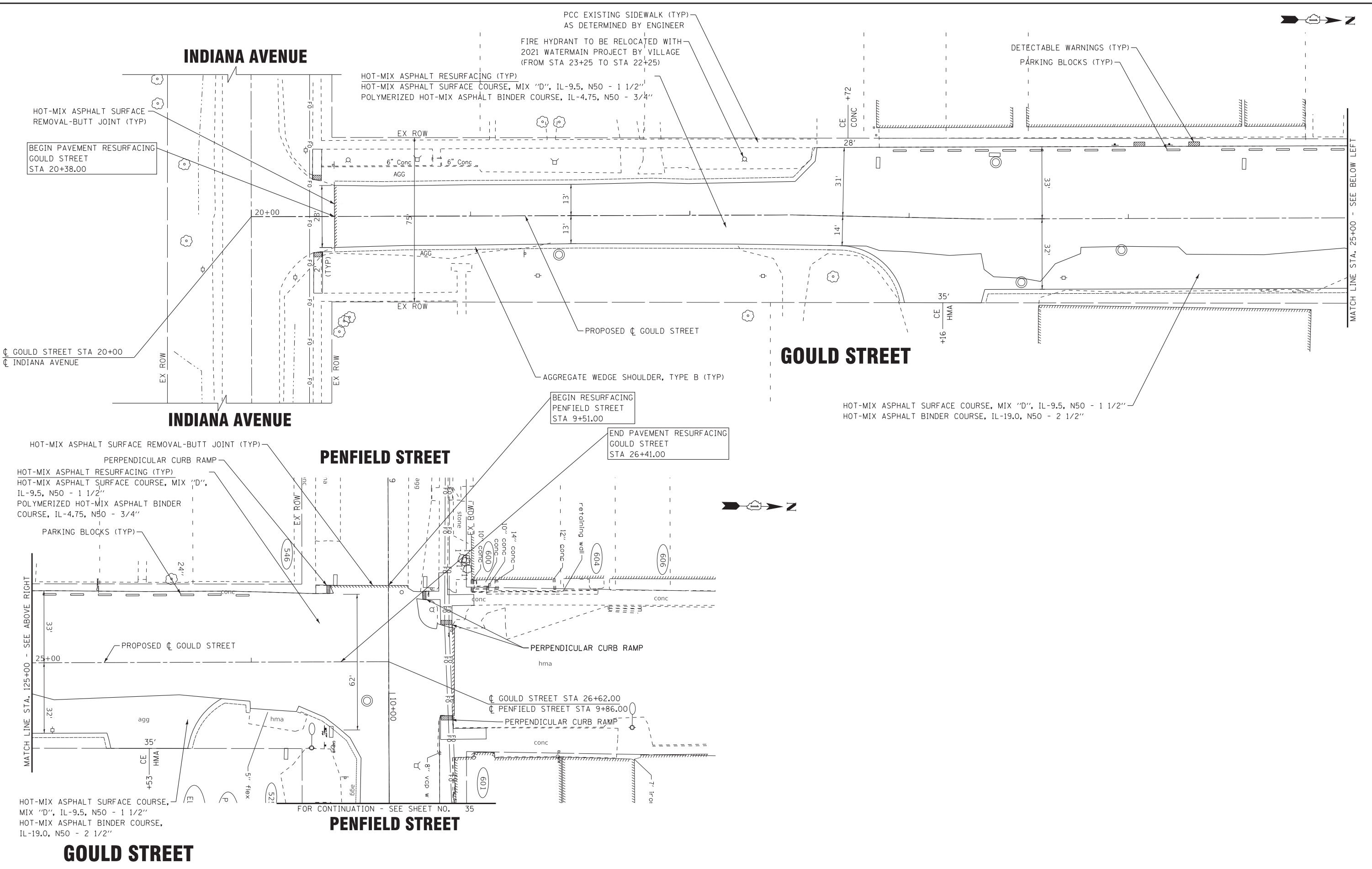


PENFIELD STREET



- NOTES:**
- SEE DRAINAGE AND UTILITY SHEET FOR NOTES REGARDING UTILITY CONFLICTS.
 - SEE DRAINAGE AND UTILITY SHEET FOR STRUCTURE ADJUSTMENTS.
 - THE CONTRACTOR SHALL COORDINATE PARKWAY TREE REMOVAL WITH THE ENGINEER. NO PARKWAY TREES SHALL BE REMOVED WITHOUT PRIOR APPROVAL OF ENGINEER.

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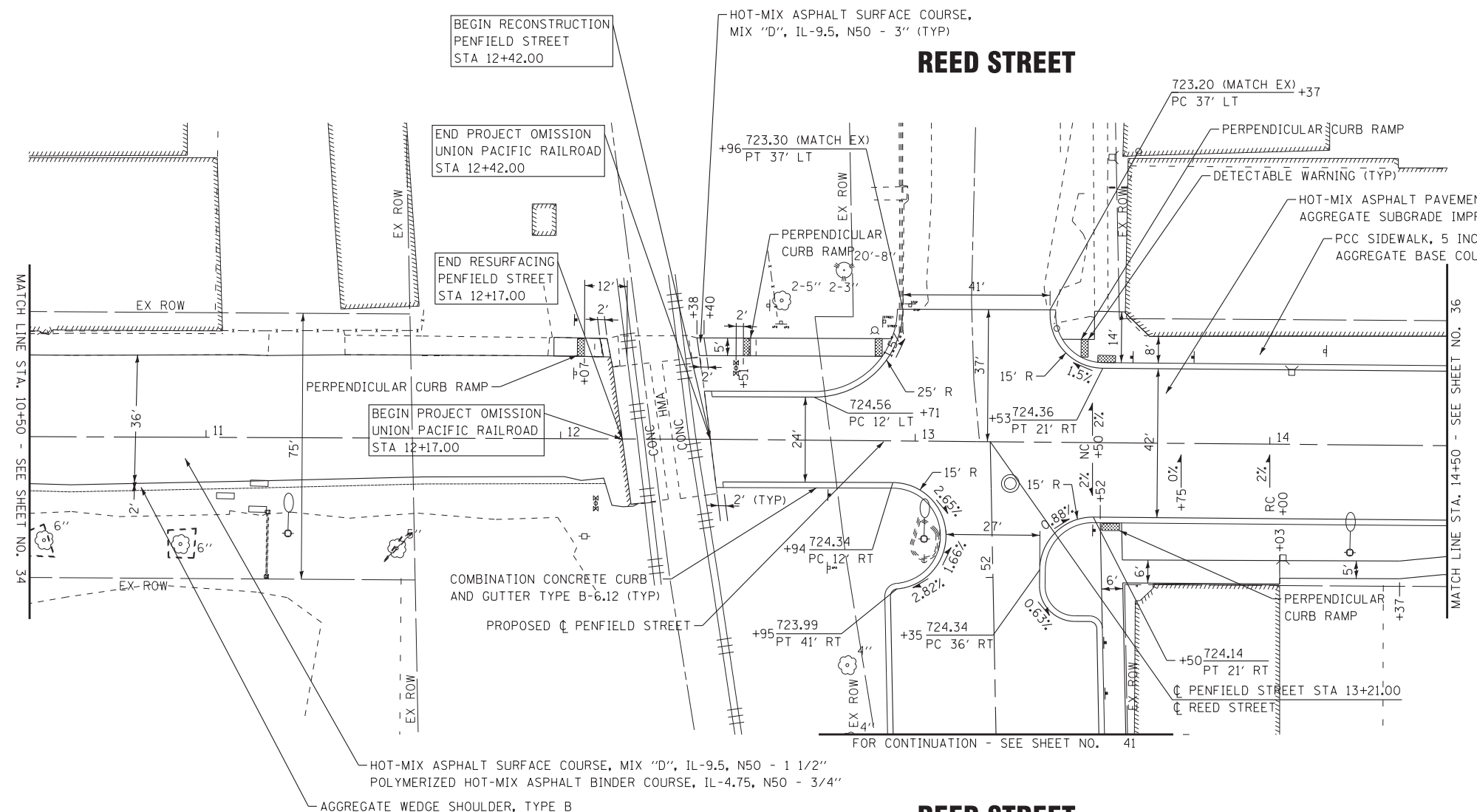
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

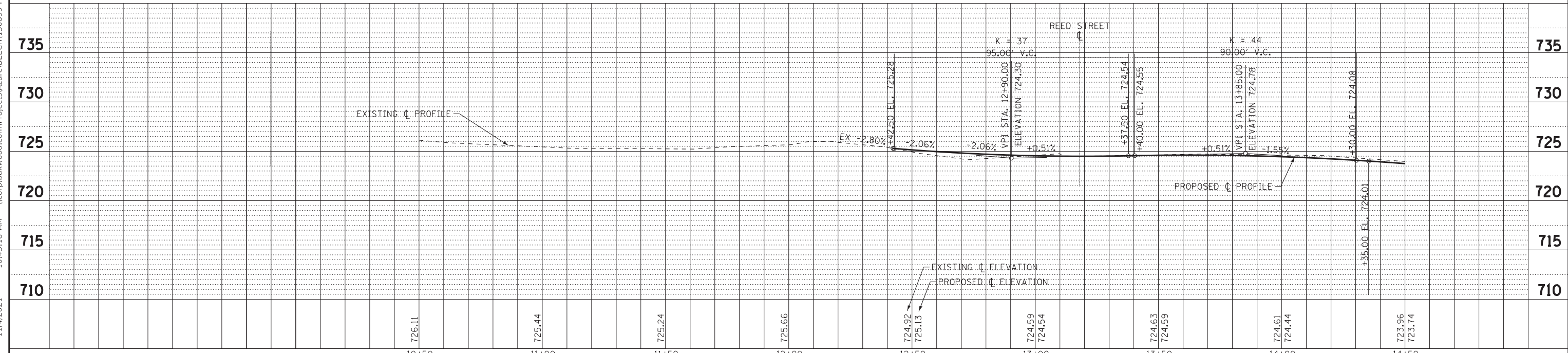
PLAN
- GOULD STREET

SCALE: 1" = 20'
 SHEET 1 OF 1 SHEETS
 STA. 20+00 TO STA. 26+62

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	34
CONTRACT NO. 61H26				
ILLINOIS FED. AID PROJECT NIW7(436)				

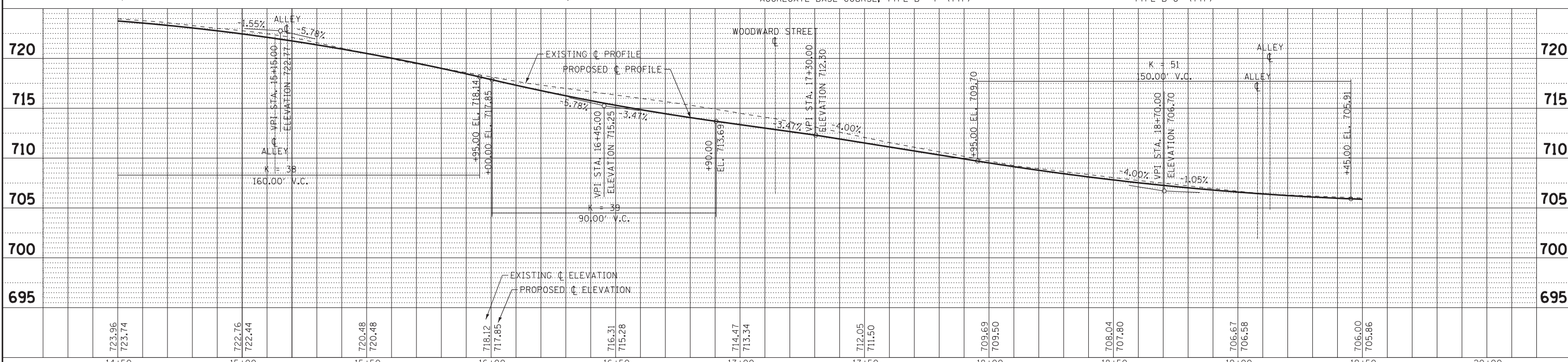
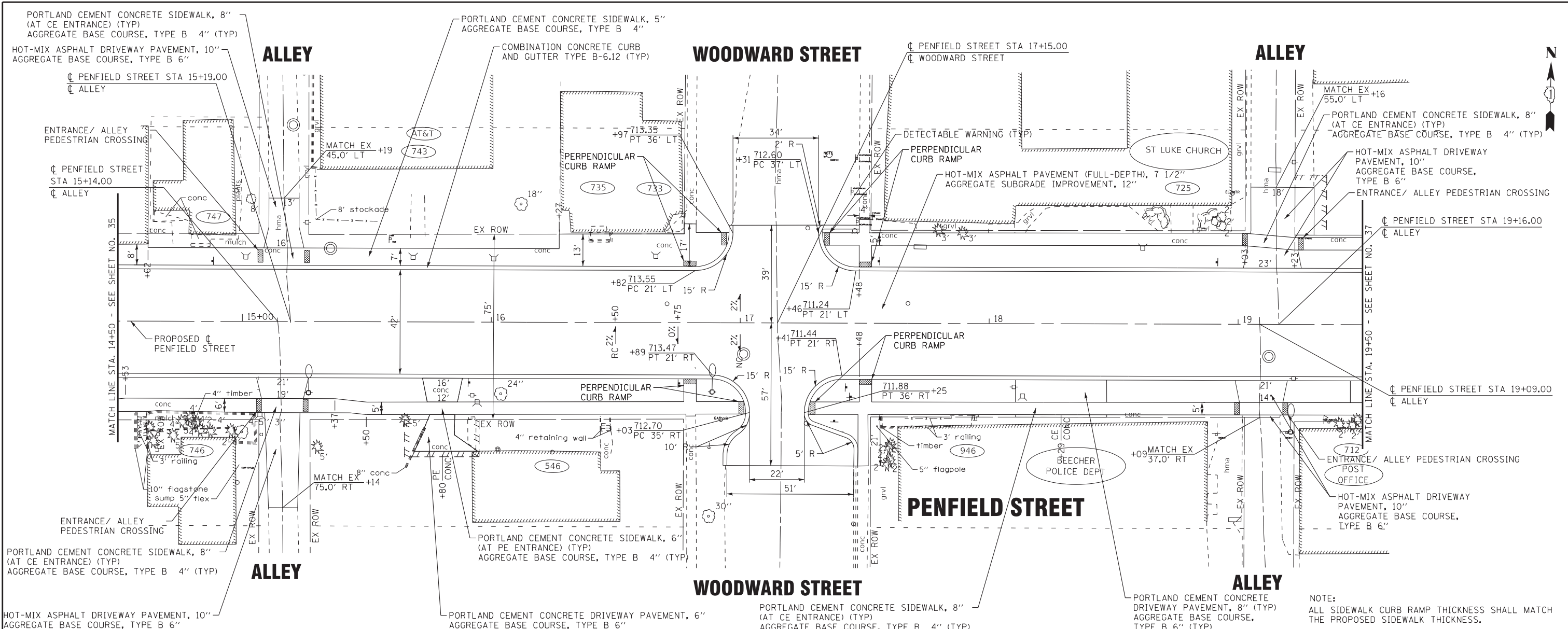


NOTE:
 ALL SIDEWALK CURB RAMP THICKNESS SHALL MATCH THE PROPOSED SIDEWALK THICKNESS.

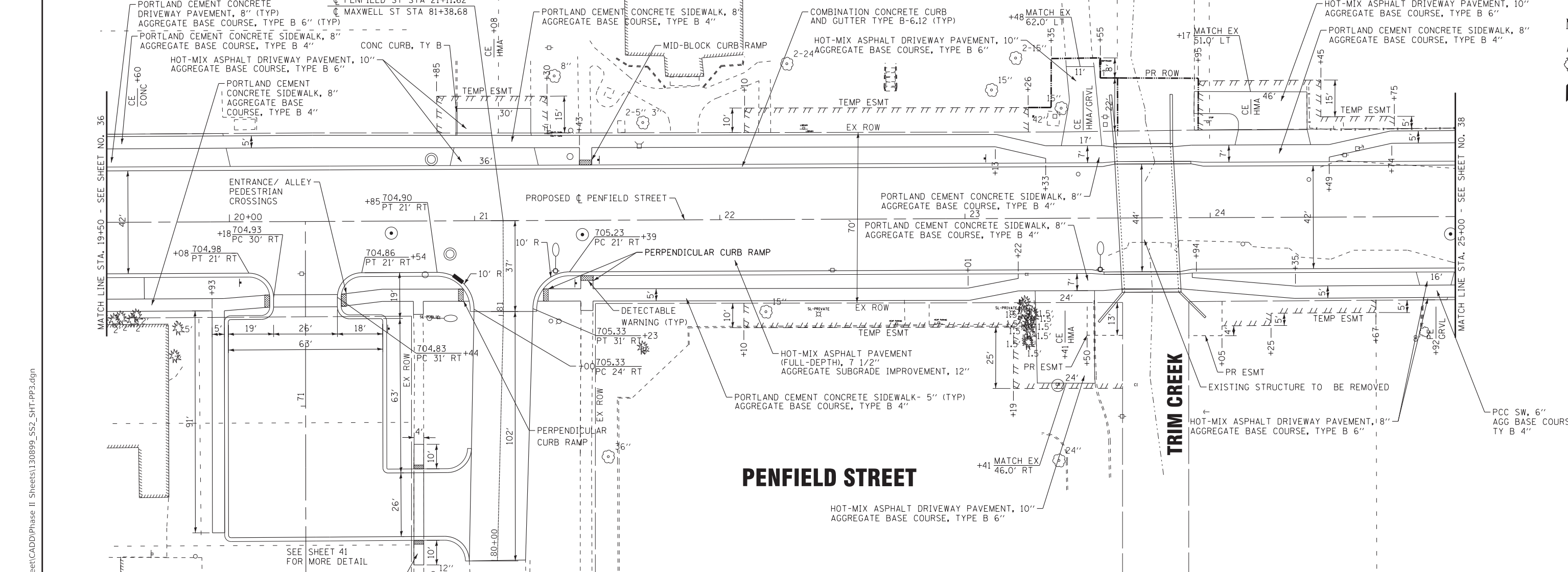


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	PLOT DATE = 11/4/2021	DATE - 11-03-21	FILE - 130899_SS2_SHT-PP1.dgn			ILLINOIS FED. AID PROJECT NIW7(436)				
	SCALE: H: 1"=20'; V: 1"=5'		SHEET 1 OF 6 SHEETS			STA. 9+51 TO STA. 14+50				

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BAXTER & WOODMAN Consulting Engineers	USER NAME = ccode	DESIGNED - CAC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN AND PROFILE - PENFIELD STREET	F.A. RTE. = 423	SECTION = 15-00020-00-FP	COUNTY = WILL	TOTAL SHEETS = 117	SHEET NO. = 36	
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	PLOT DATE = 11/4/2021	DATE = 11-03-21	FILE = 130899_SS2_SHT-PP2.dgn			ILLINOIS FED. AID PROJECT NIW7(436)					
	SCALE: H= 1"=20'; V= 1"=5'						SHEET 2 OF 6 SHEETS		STA. 14+50 TO STA. 19+50		



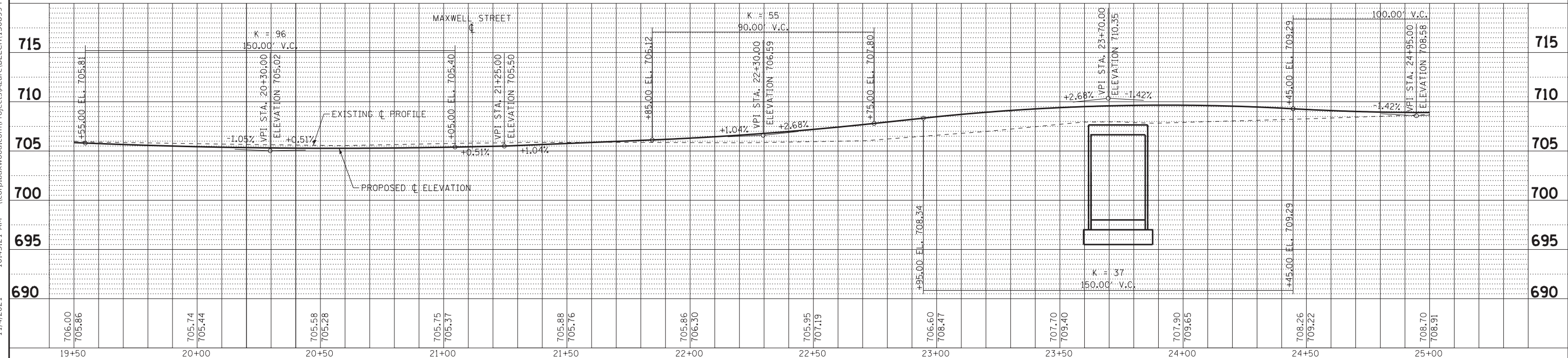
PENFIELD STREET

TRIM CREEK

PORTLAND CEMENT CONCRETE SIDEWALK, 8" AGGREGATE BASE COURSE, TYPE B 4"

MAXWELL STREET

NOTE: ALL SIDEWALK CURB RAMP THICKNESS SHALL MATCH THE PROPOSED SIDEWALK THICKNESS.



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN AND PROFILE - PENFIELD STREET

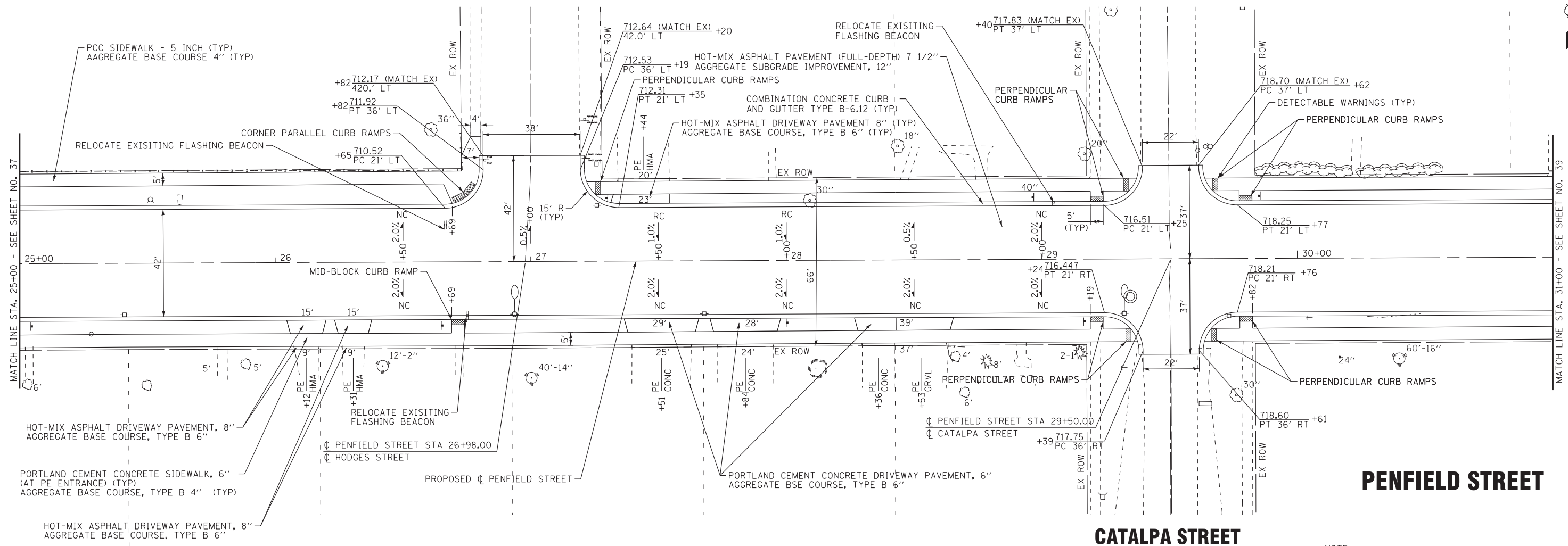
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F.A. RTE. 423	SECTION 15-00020-00-FP	COUNTY WILL	TOTAL SHEETS 117	SHEET NO. 37
CONTRACT NO. 61H26			ILLINOIS FED. AID PROJECT NIW7(436)	



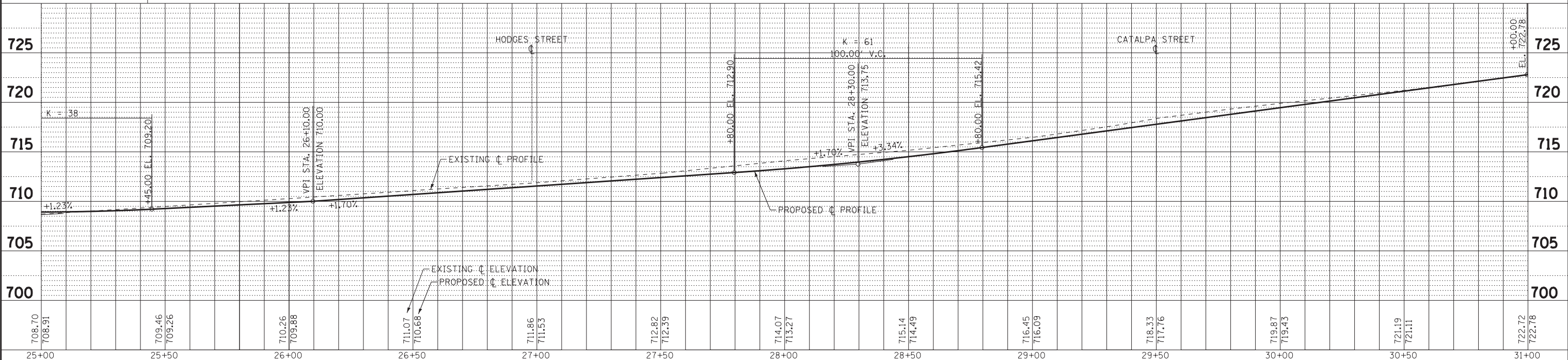
HODGES STREET

CATALPA STREET



PENFIELD STREET

NOTE:
ALL SIDEWALK CURB RAMP THICKNESS SHALL MATCH THE PROPOSED SIDEWALK THICKNESS.



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 LICENSE NO. 184-001121 - EXPIRES 4/30/2024
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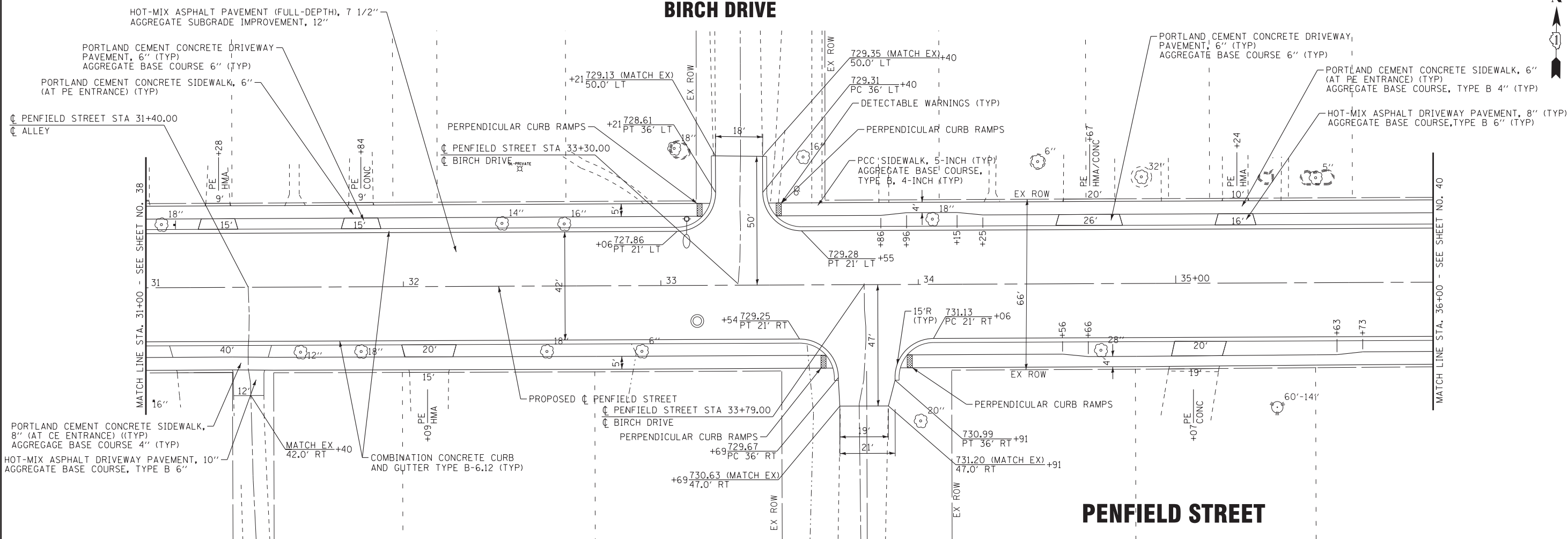
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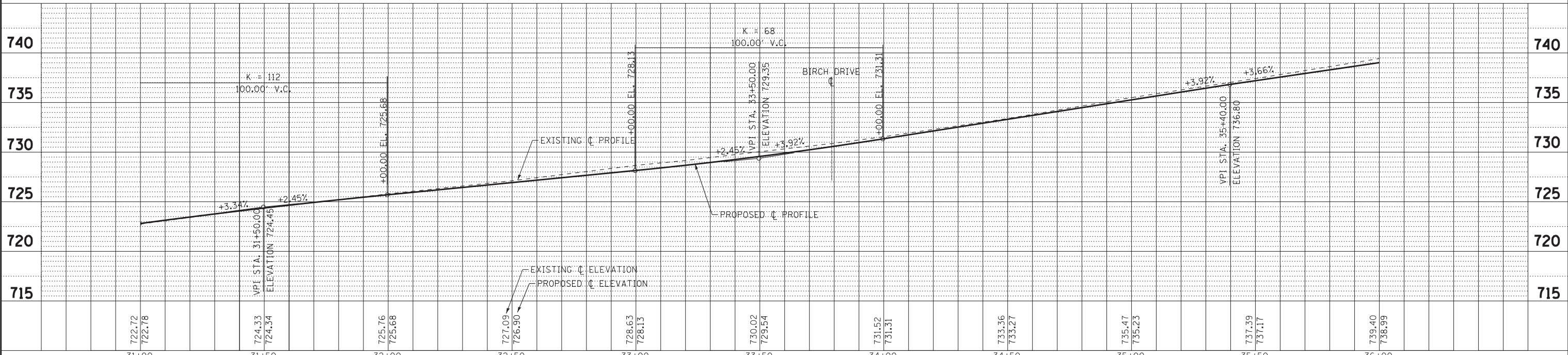
ROADWAY PLAN AND PROFILE - PENFIELD STREET

SCALE: H: 1"=20'; V: 1"=5' SHEET 4 OF 6 SHEETS STA. 25+00 TO STA. 31+00

F.A. RTE. 423	SECTION 15-00020-00-FP	COUNTY WILL	TOTAL SHEETS 117	SHEET NO. 38
CONTRACT NO. 61H26			ILLINOIS FED. AID PROJECT NIW7(436)	



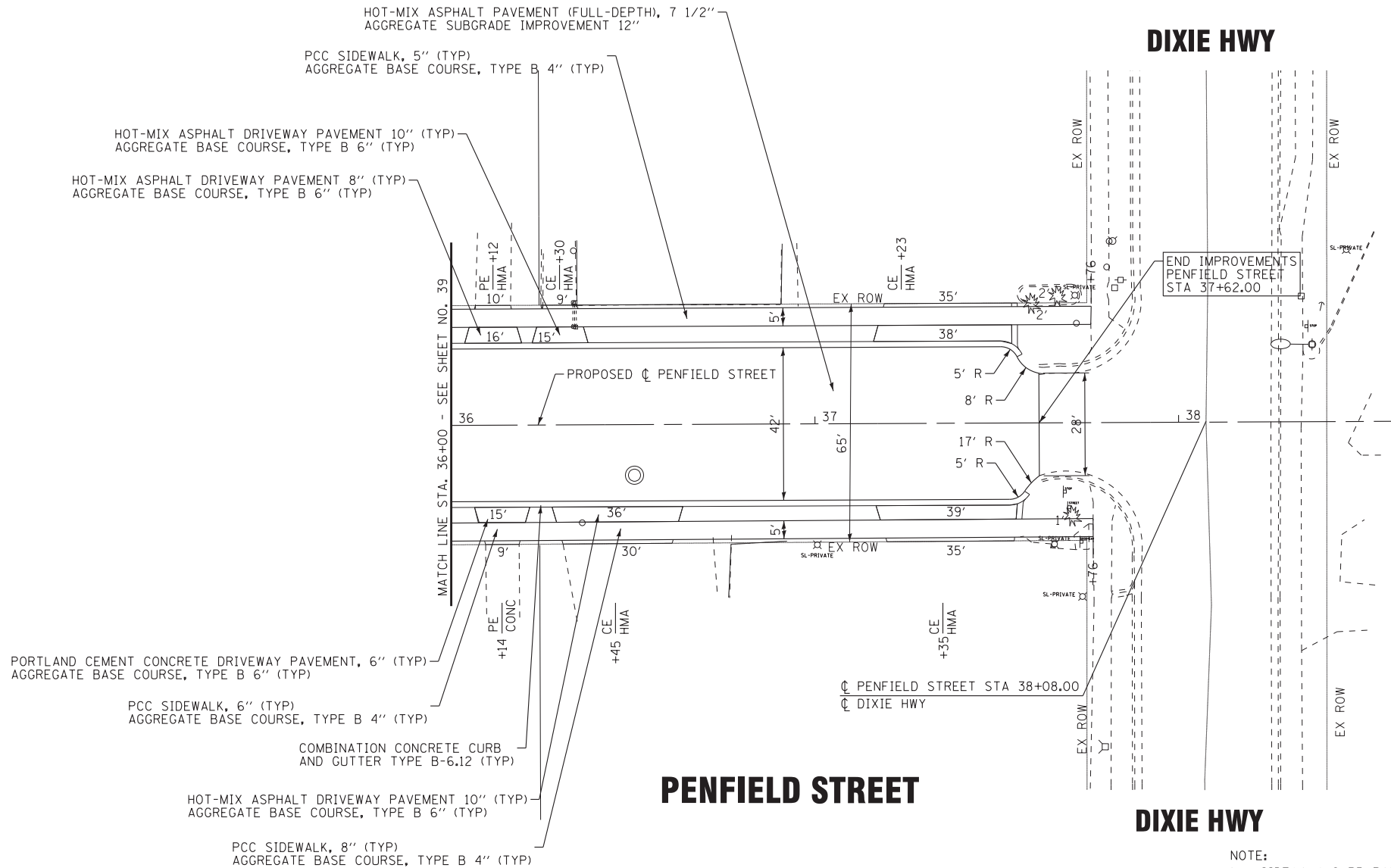
NOTE:
ALL SIDEWALK CURB RAMP THICKNESS SHALL MATCH THE PROPOSED SIDEWALK THICKNESS.



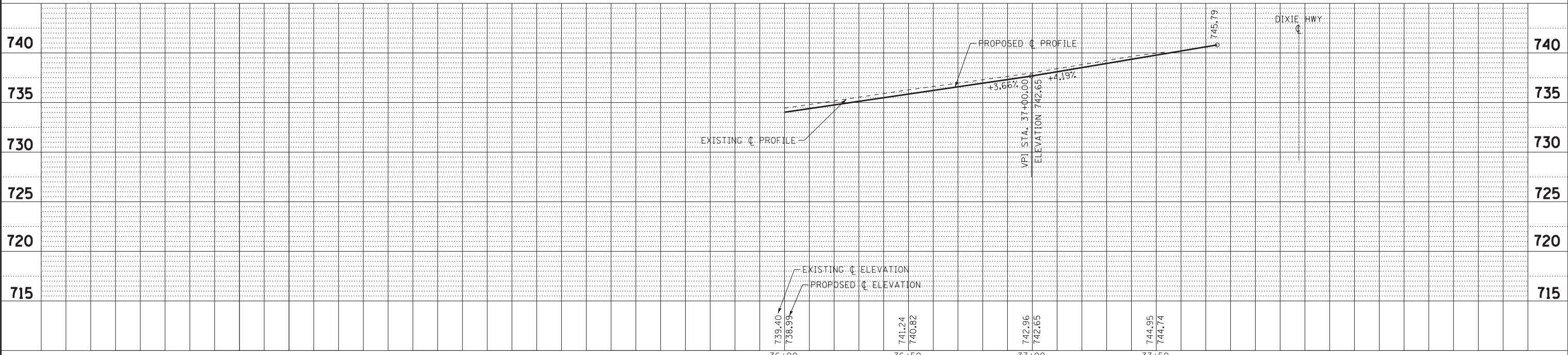
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			
ROADWAY PLAN AND PROFILE - PENFIELD STREET			
SCALE: H: 1"=20'; V: 1"=5'		SHEET 5 OF 6 SHEETS	
STA. 31+00		TO STA. 36+00	

F.A. RTE. 423	SECTION 15-00020-00-FP	COUNTY WILL	TOTAL SHEETS 117	SHEET NO. 39
			CONTRACT NO. 61H26	
ILLINOIS FED. AID PROJECT NIW7(436)				



NOTE:
ALL SIDEWALK CURB RAMP THICKNESS SHALL MATCH THE PROPOSED SIDEWALK THICKNESS.



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ROADWAY PLAN AND PROFILE - PENFIELD STREET	
SCALE: H:1"=20'; V:1"=5'	SHEET 6 OF 6 SHEETS
STA. 36+00	TO STA. 38+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	40
CONTRACT NO. 61H26			ILLINOIS FED. AID PROJECT NIW7(436)	

PENFIELD STREET

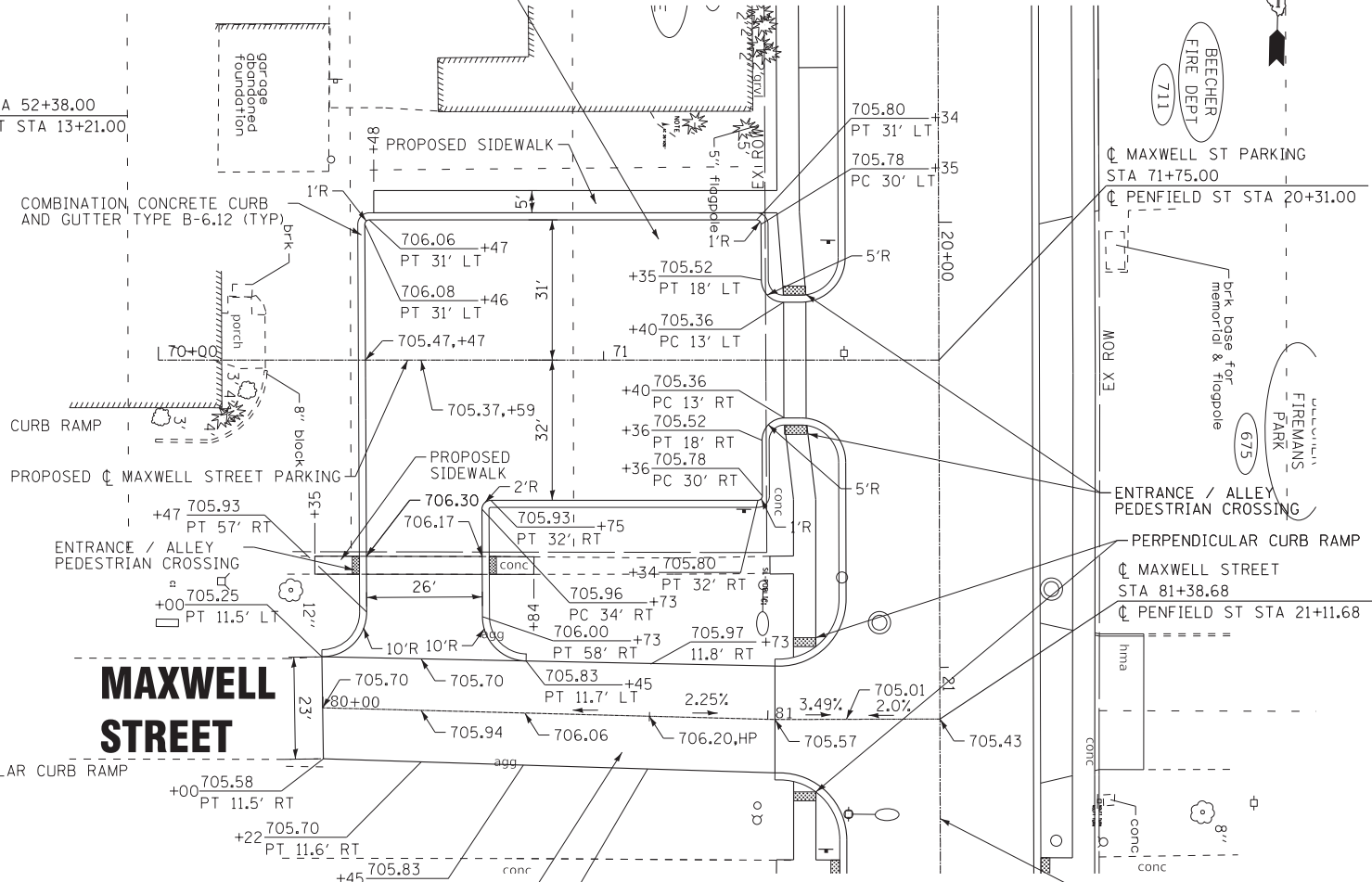
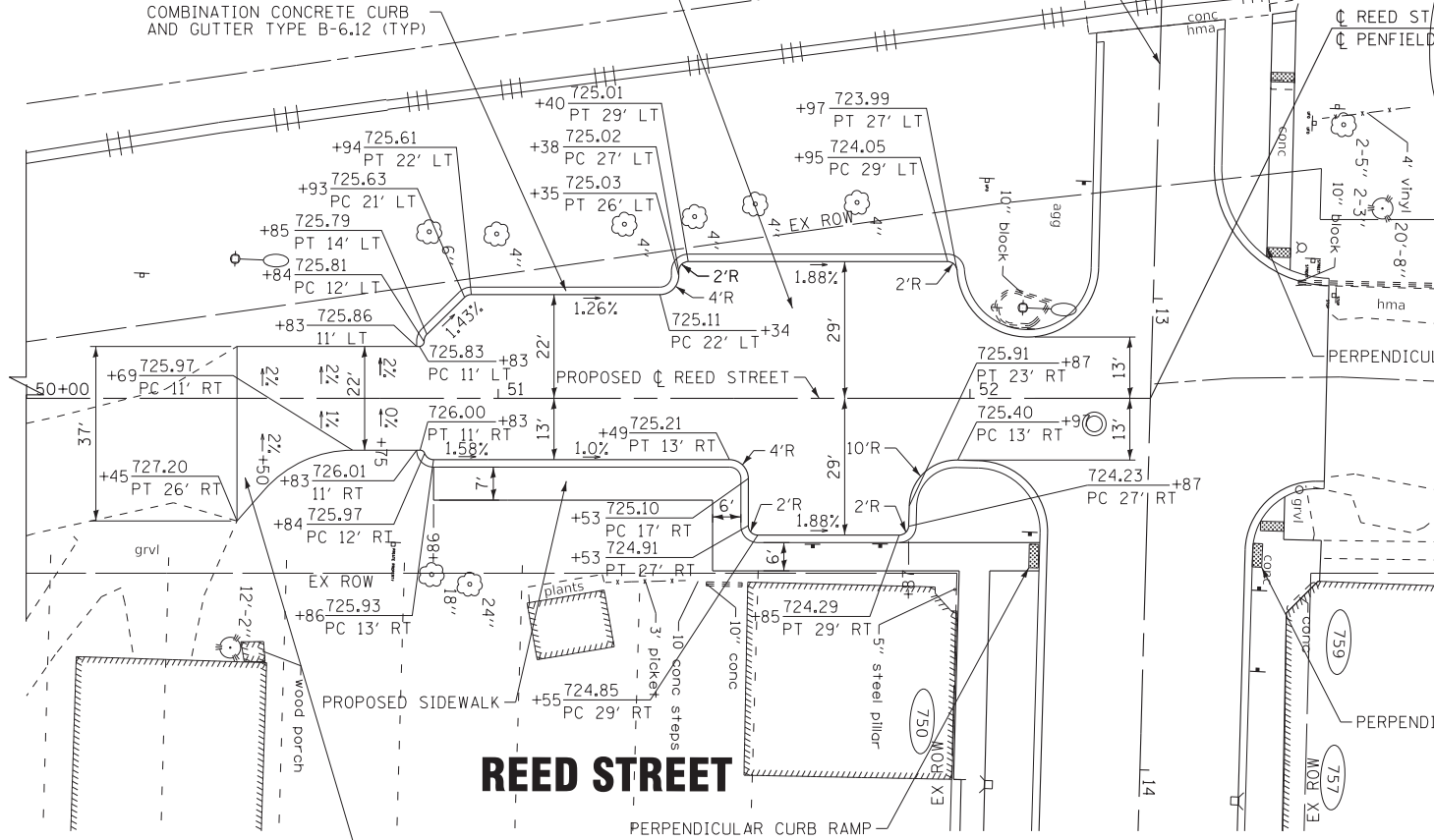
PENFIELD STREET

HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2"
HOT-MIX ASPHALT BINDER COURSE, 1L-19.0, N50 - 4"
AGGREGATE SUBGRADE IMPROVEMENT 12"

HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2"
HOT-MIX ASPHALT BINDER COURSE, 1L-19.0, N50 - 4"
AGGREGATE SUBGRADE IMPROVEMENT 12"

COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12 (TYP)

COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12 (TYP)



REED STREET

PENFIELD STREET

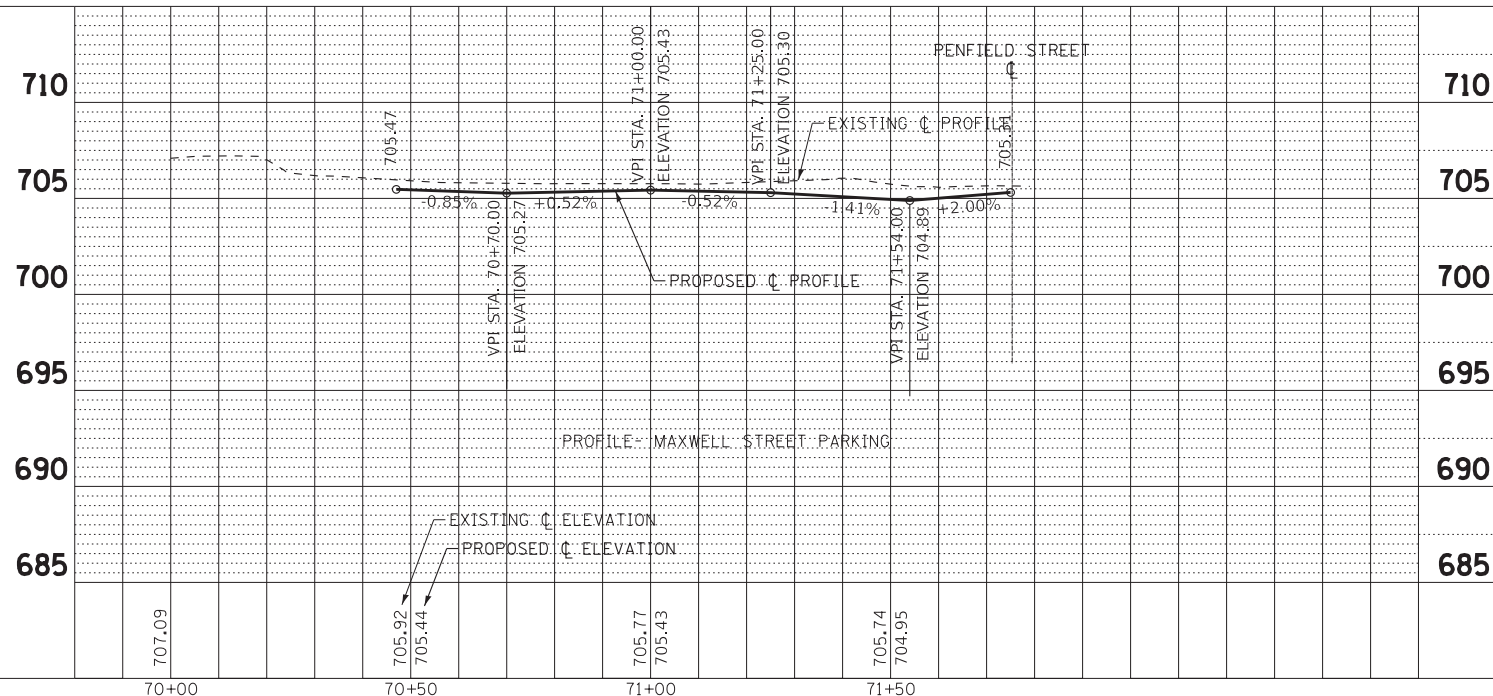
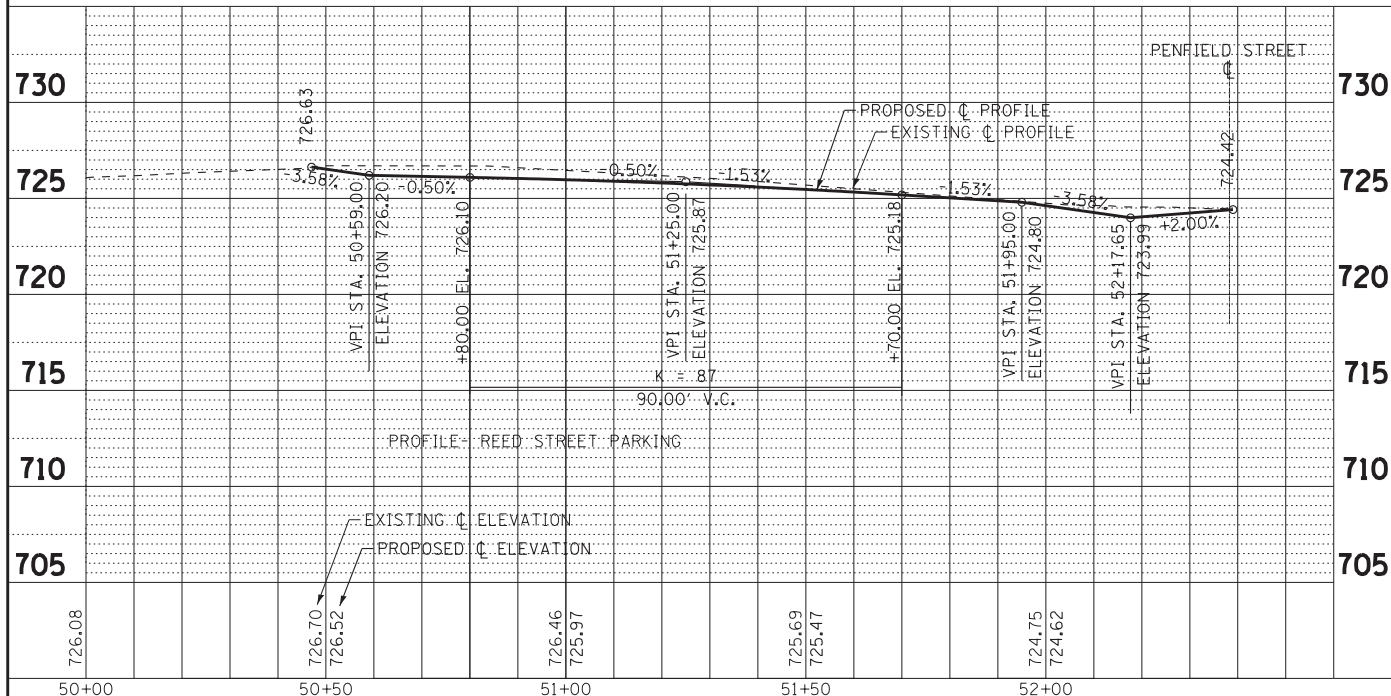
MAXWELL STREET

PENFIELD STREET

HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2"
HOT-MIX ASPHALT BINDER COURSE, 1L-19.0, N50 - 4"
AGGREGATE SUBGRADE IMPROVEMENT 12"

HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 7 1/2"
AGGREGATE SUBGRADE IMPROVEMENT 12"

NOTE:
ALL SIDEWALK CURB RAMP THICKNESS SHALL MATCH THE PROPOSED SIDEWALK THICKNESS.



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11/4/2021

BAXTER & WOODMAN
Consulting Engineers

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**ROADWAY PLAN AND PROFILE
- REED STREET AND MAXWELL STREET
PARKING**

SCALE: H: 1"=20'; V: 1"=5'

SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE. 423	SECTION 15-00020-00-FP	COUNTY WILL	TOTAL SHEETS 117	SHEET NO. 41
CONTRACT NO. 61H26				
ILLINOIS FED. AID PROJECT NIW7(436)				

MAINTENANCE OF TRAFFIC GENERAL NOTES:

- THE CONTRACTOR SHALL SUBMIT A PREPLANNED SEQUENCE OF WORK AT THE PRECONSTRUCTION MEETING FOR REVIEW AND APPROVAL. WORK SHALL BE SCHEDULED TO MINIMIZE INCONVENIENCE TO RESIDENTS AND BUSINESSES AND TO MAINTAIN REASONABLE LEVEL OF CONSTRUCTION EFFICIENCY. THE VILLAGE AND/OR ENGINEER RESERVE THE RIGHT TO RESTRICT WORK ON ANY ROADWAY SEGMENT IF CONSTRUCTION OPERATIONS ON A PREVIOUS SEGMENT ARE UNACCEPTABLE: TRAFFIC CONTROL OPERATIONS BECOME UNACCEPTABLE; OR ANY EROSION CONTROL DEFICIENCY EXISTS.
- THE COST OF ADDITIONAL DEPLOYMENTS, SETUPS, AND/OR MOBILIZATIONS NEEDED FOR STAGED CONSTRUCTION SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL) AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE CONTRACTOR WILL BE REQUIRED TO ATTEND WEEKLY PROGRESS MEETINGS WITH THE VILLAGE AND ENGINEER TO PROVIDE WEEKLY UPDATES ON THE PROPOSED WORK SCHEDULE AND UPCOMING SEQUENCE OF CONSTRUCTION ACTIVITIES. THE WORK SCHEDULE AND SEQUENCE OF WORK WILL REQUIRE APPROVAL OF THE VILLAGE AND COORDINATION WITH IMPACTED PROPERTY OWNERS AND TENANTS.
- ALL FLAGGERS REQUIRED FOR MAINTENANCE OF TRAFFIC INCLUDING ANY FLAGGERS NEEDED TO MAINTAIN TRAFFIC FOR SIDE STREETS AND DRIVEWAYS, SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
- THE ENGINEER SHALL BE NOTIFIED OF ANY CHANGES TO CONSTRUCTION STAGING. ALL CHANGES TO CONSTRUCTION STAGING MUST BE APPROVED BY THE ENGINEER PRIOR TO IMPLEMENTATION.
- THE CONTRACTOR SHALL PROVIDE TEMPORARY ACCESS TO DRIVEWAYS AND SIDE STREETS DURING CONSTRUCTION. THIS WORK SHALL BE IN ACCORDANCE WITH THE SPECIAL PROVISION FOR AGGREGATE SURFACE COURSE FOR TEMPORARY ACCESS.
- ACCESS FOR LOCAL TRAFFIC, MAIL SERVICE, GARBAGE SERVICE, EMERGENCY VEHICLES, AND SCHOOL BUSES SHALL BE MAINTAINED AT ALL TIMES.
- ACCESS TO COMMERCIAL DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES.
- RESIDENTS SHALL HAVE ACCESS TO THEIR DRIVEWAYS AT THE END OF EACH DAY EXCEPT DURING ADJACENT CURB AND GUTTER CONSTRUCTION OR CONCRETE DRIVEWAY REPLACEMENT.
- CONSTRUCTION OPERATIONS INVOLVING THE TEMPORARY CLOSING OF DRIVEWAYS SHALL NOT COMMENCE WITHOUT THE CONTRACTOR NOTIFYING THE VILLAGE AT LEAST THREE DAYS PRIOR. THE CONTRACTOR WILL ALSO BE REQUIRED TO PROVIDE 48- HOUR NOTICE TO AFFECTED PARTIES BY DISTRIBUTING NOTICES AND/OR POSTING SIGNS.
- THE CONTRACTOR SHALL PROVIDE INFORMATION SIGNS ON TEMPORARY SUPPORTS FOR ALL COMMERCIAL DRIVEWAYS. THESE SIGNS SHALL BE WHITE ON GREEN IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. THIS WORK SHALL BE PAID PER THE DISTRICT ONE DETAIL TC-26. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN ACCESS TO ALL ENTRANCES, APPROACHES, AND TEMPORARY ACCESS (PRIVATE ENTRANCE) OR TEMPORARY ACCESS (COMMERCIAL ENTRANCE).
- ALL SAW CUTS REQUIRED FOR PATCHING AND REMOVAL ITEMS, INCLUDING PARTIAL REMOVAL NECESSARY FOR STAGE CONSTRUCTION SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF PATCHING OR REMOVAL ITEM.
- ALL TEMPORARY STORM SEWER PLUGS AND TEMPORARY STORM SEWER CONNECTIONS REQUIRED FOR CONSTRUCTION STAGING SHALL BE INCLUDED IN THE COST OF THE STORM SEWER CONSTRUCTION.
- THE CONTRACTOR SHALL NOTIFY IDOT AND THE VILLAGE OF BEECHER 10 DAYS IN ADVANCE OF OPERATION OF DETOUR ROUTES.
- ALL TRENCHES, HOLES, AND PITS SHALL BE FILLED OR COVERED WITH STEEL PLATES EXCEPT DURING ACTUAL CONSTRUCTION THERE IN. THIS WORK SHALL BE INCLUDED IN THE COST OF THE ITEMS FOR WHICH IT APPLIES.
- EXISTING TRAFFIC CONTROL DEVICES WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED FROM DAMAGE BY THE CONTRACTOR. ANY DAMAGE SIGNS CAUSED BY HIS WORK SHALL BE REPLACED BY THE CONTRACTOR.
- TYPE I, TYPE II, OR DRUM BARRICADES WITH TWO-WAY FLASHING LIGHTS SHALL BE REQUIRED AT ALL OPEN TRENCHES, EXCAVATIONS, OPEN OR EXPOSED SEWER STRUCTURES, TRANSVERSE PAYMENT JOINT, MATERIALS OR EQUIPMENT WITHIN THE RIGHT-OF-WAY (NUMBER AND SPACING DEPENDS ON THE CONDITIONS); AND AT LOCATIONS DESIGNATED BY THE ENGINEER OR LOCAL LAW ENFORCEMENT AGENCIES.
- THE FURNISHING, INSTALLING, AND RELOCATION OF ALL TRAFFIC SIGNS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL). ALL CONFLICTING TRAFFIC SIGNS SHALL BE COVERED AS DETERMINED BY THE ENGINEER AND INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
- ALL ITEMS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND APPLICABLE HIGHWAY STANDARDS.
- CONTRACTOR TO ENSURE PROPER MAINTENANCE OF ALL BARRICADES AND SIGNAGE ON WEEKENDS AND HOLIDAYS.

- LOCATIONS WHERE THE DROP-OFF IS LOCATED WITHIN 8 FT. OF THE EDGE OF THE NEAREST OPEN TRAFFIC LANE SHALL NOT EXCEED 12". ALL DROP-OFFS WITHIN THE WORK ZONE SHALL ADHERE TO IDOT SAFETY POLICY 4-15.
- TRAFFIC CONDITIONS, CRASHES, AND OTHER UNFORSEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY, OR REMOVE LANE CLOSURES OR CHANNELIZATION SHOWN IN THE PLANS. THE CONTRACTOR SHALL MAKE THE NECESSARY ADJUSTMENTS AS DETERMINED BY THE ENGINEER WITHOUT DELAY. THE CONTRACTOR SHALL RESPOND TO ANY REQUEST MADE BY THE ENGINEER FOR CORRECTION WITHIN TWO HOURS FROM THE TIME OF NOTIFICATION.
- ACCESS FOR LOCAL TRAFFIC, MAIL SERVICE, GARBAGE SERVICE, AND EMERGENCY VEHICLES SHALL BE MAINTAINED AT ALL TIMES.
- THE CONTRACTOR SHALL REMOVE OR COVER ALL WORKERS (W21-1(0)) OR FLAGGER (W20-7(0)) SIGNS WHEN WORKERS OR FLAGGERS ARE NOT PRESENT FOR MORE THAN AN HOUR.
- THE CONTRACTOR SHALL CONTACT THE IDOT TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV 72 HOURS IN ADVANCE OF BEGINNING WORK.

SEQUENCE OF CONSTRUCTION

PRE-STAGE

- ESTABLISH EROSION CONTROL MEASURES AND TREE PROTECTION.
- COMPLETE TREE REMOVAL.
- COMPLETE UTILITY RELOCATIONS.

STAGE 1- CONSTRUCTION - PENFIELD STREET RECONSTRUCTION

- ESTABLISH STAGE 1 TRAFFIC CONTROL ITEMS.
- CLOSE PENFIELD STREET TO THRU TRAFFIC BETWEEN GOULD STREET AND IL 1 AND PROVIDE A TWO-WAY DETOUR UTILIZING INDIANA AVENUE AND IL 1.
- REMOVE PAVEMENT, CURB AND GUTTER, AND SIDEWALK FOR CULVERT REPLACEMENT CONSTRUCTION.
- CONSTRUCT WATERMAIN RELOCATION WORK UNDER EXISTING CULVERT.
- REMOVE EXISTING CULVERT AND CONSTRUCT NEW CULVERT.
- CONSTRUCT MAXWELL STREET PARKING LOT.
- CONSTRUCT REED STREET PARKING LOT.
- CONSTRUCT TEMPORARY PAVEMENT OVER COMPLETED CULVERT FOR WB TRAFFIC STAGE 2 DETOUR PLAN.

STAGE 2- CONSTRUCTION - PENFIELD STREET RECONSTRUCTION

- ESTABLISH STAGE 2 TRAFFIC CONTROL ITEMS.
- CLOSE PENFIELD STREET TO EASTBOUND TRAFFIC BETWEEN GOULD STREET AND IL 1 AND PROVIDE ONE-WAY EASTBOUND TRAFFIC DETOUR UTILIZING GOULD STREET, INDIANA AVENUE AND IL 1.
- ESTABLISH ONE-WAY WESTBOUND TRAFFIC ACCESS ON EXISTING PAVEMENT ON NORTH SIDE OF PENFIELD STREET.
- REMOVE PAVEMENT, CURB AND GUTTER, AND SIDEWALK ON SOUTH SIDE OF PENFIELD STREET AS INDICATED IN THE PLANS.
- CONSTRUCT MAINLINE STORM SEWER.
- CONSTRUCT STREET LIGHTING AS INDICATED IN THE PLANS.
- CONSTRUCT AGGREGATE BASE IMPROVEMENT, CURB AND GUTTER, AND HMA BINDER COURSE ON SOUTH HALF OF PENFIELD STREET.
- CONSTRUCT DRIVEWAY PAVEMENTS, SIDEWALK, AND BEGIN PARKWAY RESTORATION ON SOUTH HALF OF PENFIELD STREET.

A TWO (2) WEEK GAP SHALL BE ESTABLISHED BETWEEN STAGES 2 AND 3.

STAGE 3- CONSTRUCTION - PENFIELD STREET RECONSTRUCTION

- ESTABLISH STAGE 3 TRAFFIC CONTROL ITEMS.
- CLOSE PENFIELD STREET TO WESTBOUND TRAFFIC BETWEEN GOULD STREET AND IL 1 AND PROVIDE ONE-WAY WESTBOUND DETOUR UTILIZING GOULD STREET, INDIANA AVENUE AND IL 1.
- ESTABLISH ONE-WAY EASTBOUND TRAFFIC ACCESS ON RECONSTRUCTED PAVEMENT ON THE SOUTH SIDE OF PENFIELD STREET.
- REMOVE PAVEMENT, CURB AND GUTTER, AND SIDEWALK ON NORTH SIDE OF PENFIELD STREET AS INDICATED IN THE PLANS.
- CONSTRUCT REMAINING STORM SEWER AND LATERALS NOT INSTALLED DURING STAGE 2 CONSTRUCTION.
- CONSTRUCT AGGREGATE BASE IMPROVEMENT, CURB AND GUTTER, AND HMA BINDER COURSE ON NORTH HALF OF PENFIELD STREET.
- CONSTRUCT DRIVEWAY PAVEMENTS, SIDEWALK, AND BEGIN PARKWAY RESTORATION ON NORTH HALF OF PENFIELD STREET.

STAGE 4- CONSTRUCTION - GOULD STREET AND PENFIELD STREET RESURFACING

- ESTABLISH TRAFFIC CONTROL AND EROSION CONTROL MEASURES ON GOULD STREET.
- REMOVE AND REPLACE SIDEWALK AS DETERMINED BY THE ENGINEER AND AS SHOWN ON THE PLANS.
- COMPLETE HMA SURFACE REMOVAL.
- COMPLETE CLASS D PATCHES, GRADE AND REPAIR AGGREGATE BASE AS DETERMINED BY THE ENGINEER.
- BEGIN PARKWAY RESTORATION.
- INSTALL HMA LEVELING BINDER AND/OR BINDER COURSE.

PROJECT COMPLETION - PENFIELD STREET AND GOULD STREET

- COMPLETE HOT-MIX ASPHALT SURFACE COURSE.
- INSTALL REQUIRED PAVEMENT MARKINGS.
- COMPLETE PARKWAY RESTORATION.
- COMPLETE PUNCH LIST ITEMS.
- REMOVE TEMPORARY EROSION CONTROL ONCE SOD ESTABLISHES.

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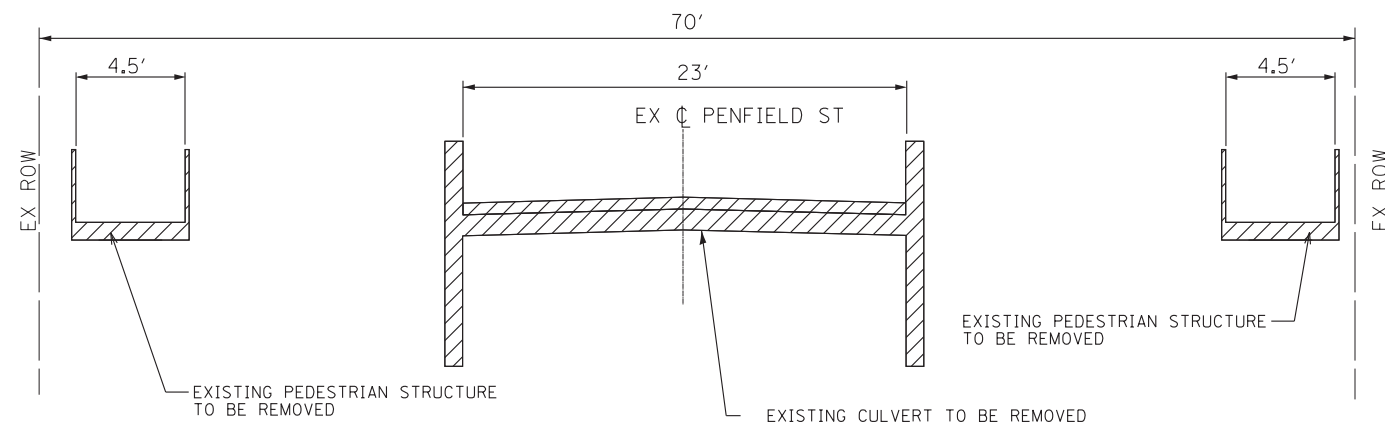
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DEPARTMENT OF TRANSPORTATION**

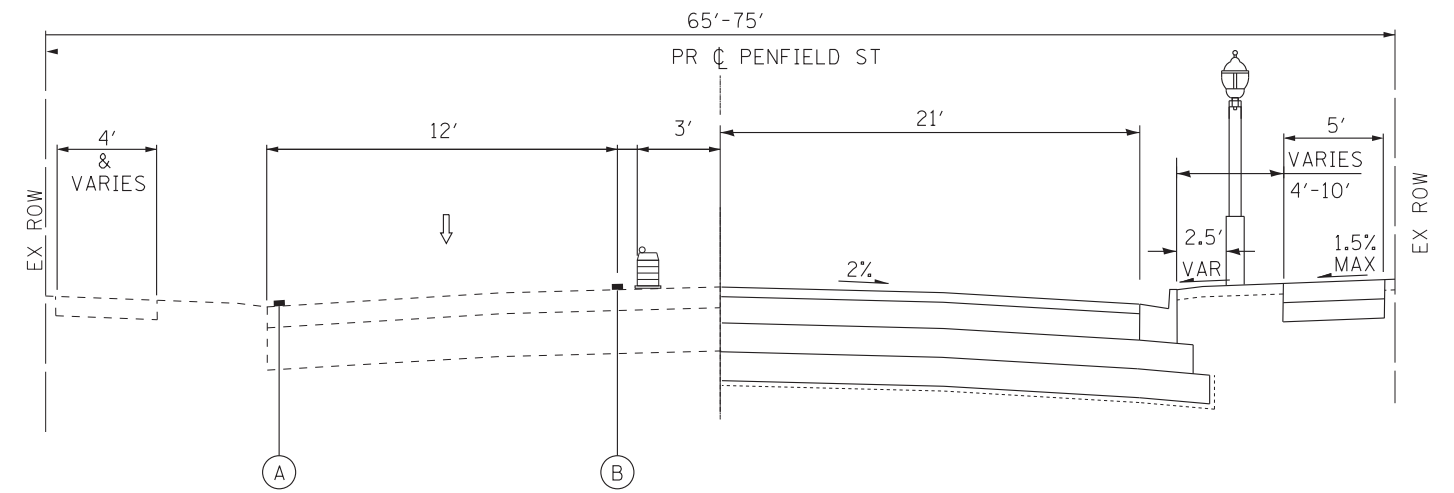
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AND SEQUENCE OF CONSTRUCTION**

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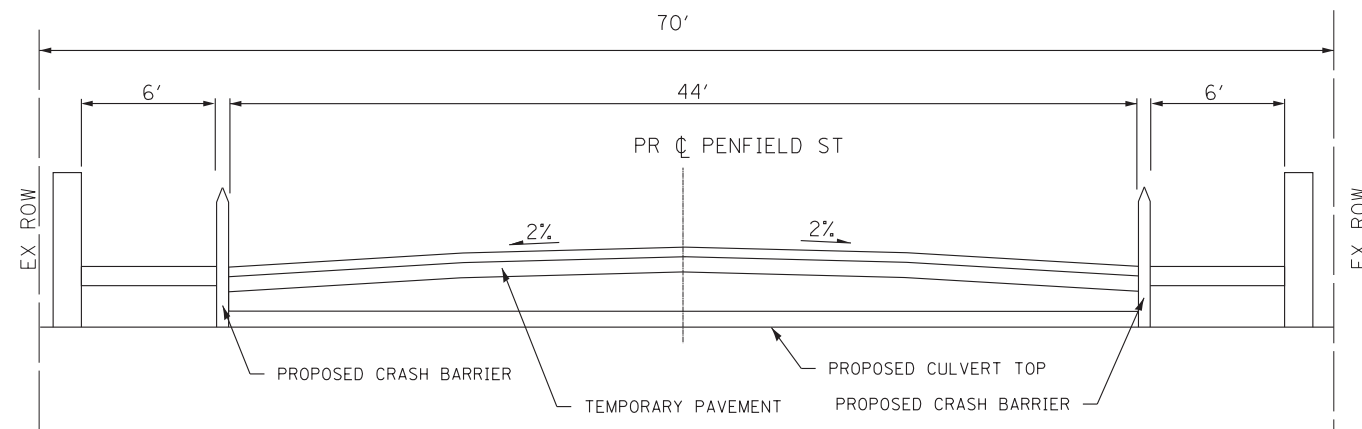
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			CONTRACT NO. 61H26	
		ILLINOIS	FED. AID PROJECT	NIW7(436)



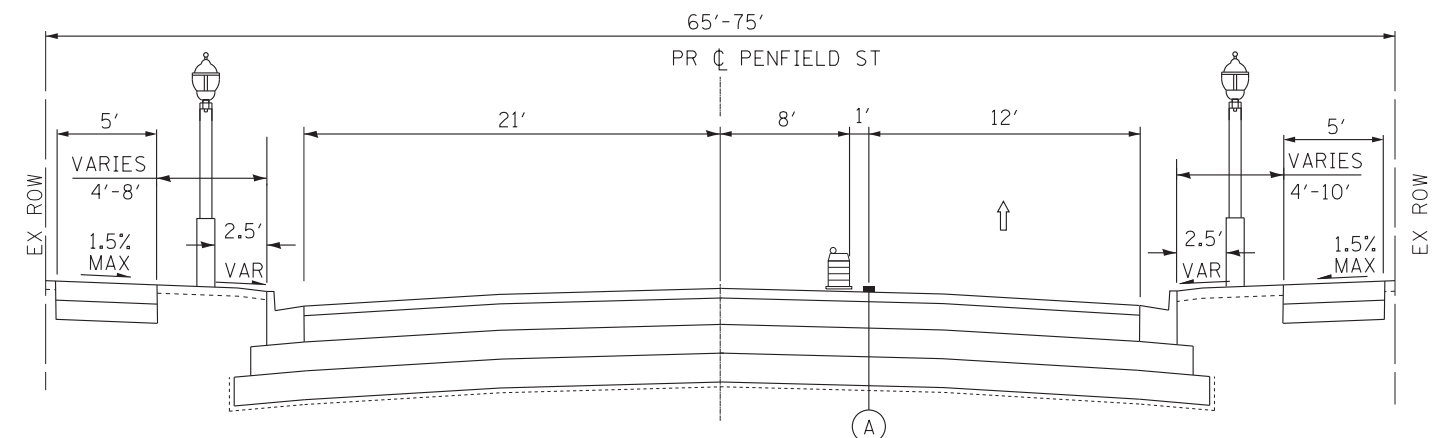
EXISTING TYPICAL SECTION - STAGE I
STA 23+22.00 TO STA 24+48.00



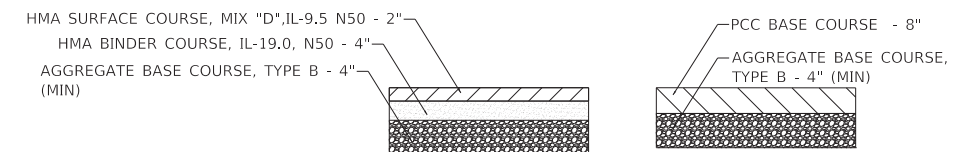
TYPICAL SECTION - STAGE II
STA 10+17.00 TO STA 23+22.00
STA 24+48.00 TO STA 37+62.00



PROPOSED TYPICAL SECTION - STAGE I
STA 23+22.00 TO STA 24+48.00



TYPICAL SECTION - STAGE III
STA 10+17.00 TO STA 23+22.00
STA 24+48.00 TO STA 37+62.00



TEMPORARY PAVEMENT
(CONTRACTOR HAS THE OPTION OF USING HMA OR PCC SECTION FOR TEMPORARY PAVEMENT)

- LEGEND**
- ↑ DIRECTION OF TRAFFIC
 - ▨ REMOVAL
 - ⊞ TYPE II BARRICADES OR DRUMS WITH STEADY BURN, BI-DIRECTIONAL LIGHT 50' C-C ON TANGENT, 20' C-C ON TAPERS, AND 12' C-C ON RADII
 - Ⓐ PAVEMENT MARKING TAPE, TYPE IV - 4" (WHITE)
 - Ⓑ PAVEMENT MARKING TAPE, TYPE IV - 4" (YELLOW)

NOTES

REFER TO SUGGESTED MAINTENANCE OF TRAFFIC GENERAL NOTES, SEQUENCE OF CONSTRUCTION, AND DETOUR PLAN FOR ADDITIONAL INFORMATION.

IF THE CONTRACTOR CHOOSES TO USE CONCRETE FOR TEMPORARY PAVEMENT, THE PC CONCRETE TEMPORARY PAVEMENT SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ART. 1020 OF THE STANDARD SPECIFICATIONS, PCC PAVEMENT 8" THICK. TEMPORARY PCC PAVEMENT DOES NOT REQUIRE DOWEL BARS.

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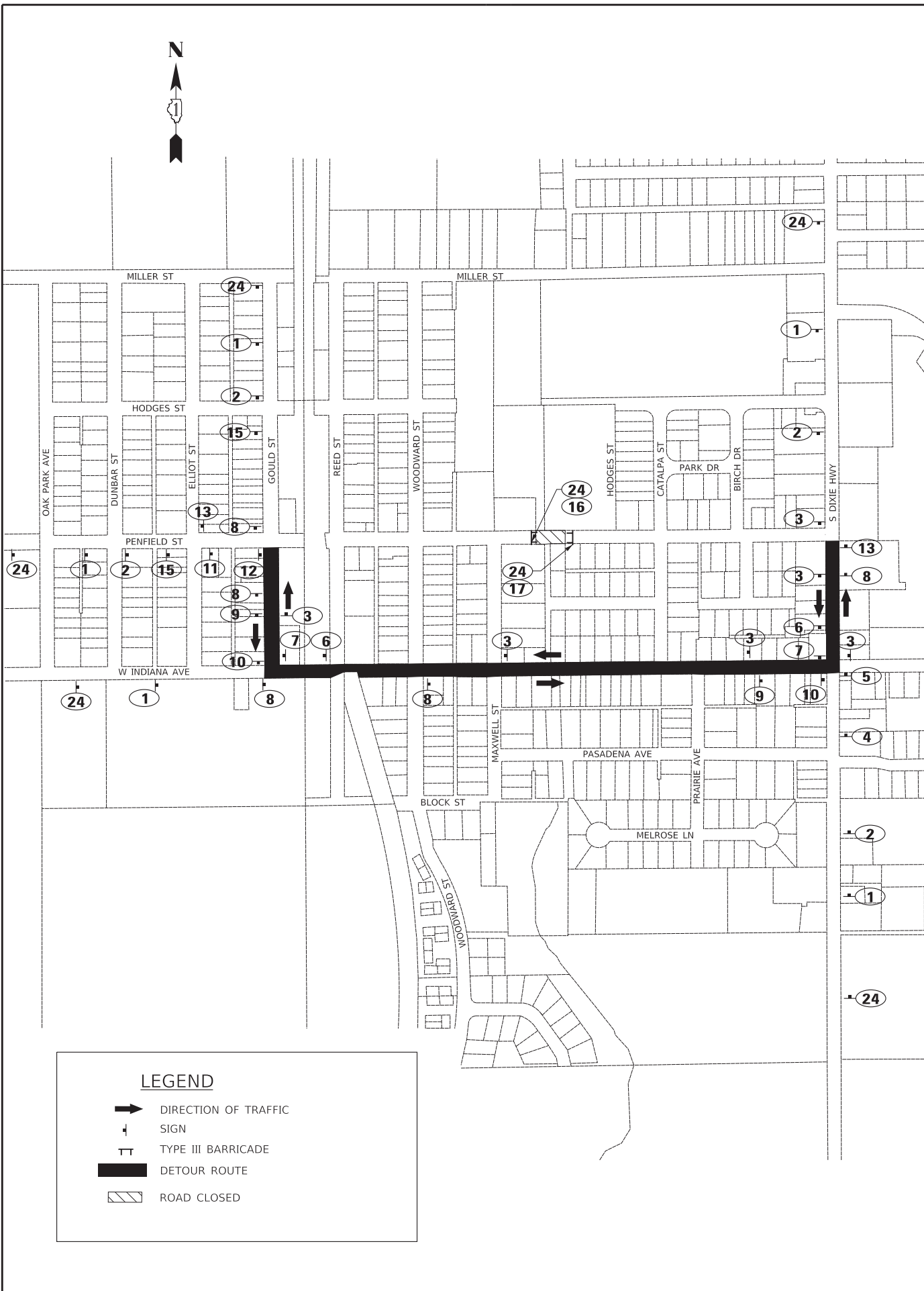
**STATE OF ILLINOIS
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**SUGGESTED MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 61H26	
ILLINOIS FED. AID PROJECT NIW7(436)				

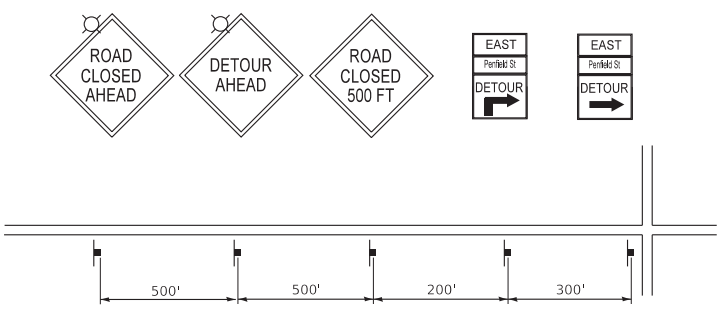
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LEGEND

- DIRECTION OF TRAFFIC
- SIGN
- TYPE III BARRICADE
- DETOUR ROUTE
- ROAD CLOSED

TYPICAL DETOUR SIGN SPACING



- MAINTENANCE OF TRAFFIC DETOUR PLAN NOTES:**
- REFER TO DISTRICT DETAIL TC-21 FOR TYPICAL SIGN LAYOUT AND SPACING.
 - THE ENGINEER SHALL BE INFORMED 48 HOURS IN ADVANCE OF ANY CHANGE IN CONSTRUCTION STAGING, THE FURNISHING, INSTALLING, AND RELOCATION OF ALL TRAFFIC SIGNS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
 - ALL CONFLICTING TRAFFIC SIGNS SHALL BE COVERED AS DETERMINED BY THE ENGINEER. THIS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
 - THE CONTRACTOR SHALL MAINTAIN EMERGENCY VEHICLE AND LOCAL TRAFFIC DURING THE CONSTRUCTION OF PENFIELD STREET. THE COST FOR MAINTAINING ACCESS ON PENFIELD STREET SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
 - THE CONTRACTOR SHALL PROVIDE TEMPORARY ACCESS TO ALL ENTRANCES DURING THE CONSTRUCTION OF PENFIELD STREET. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR TEMPORARY ACCESS (PRIVATE ENTRANCE) AND TEMPORARY ACCESS (COMMERCIAL ENTRANCE), TEMPORARY ACCESS (ROAD).

SIGN DETAILS



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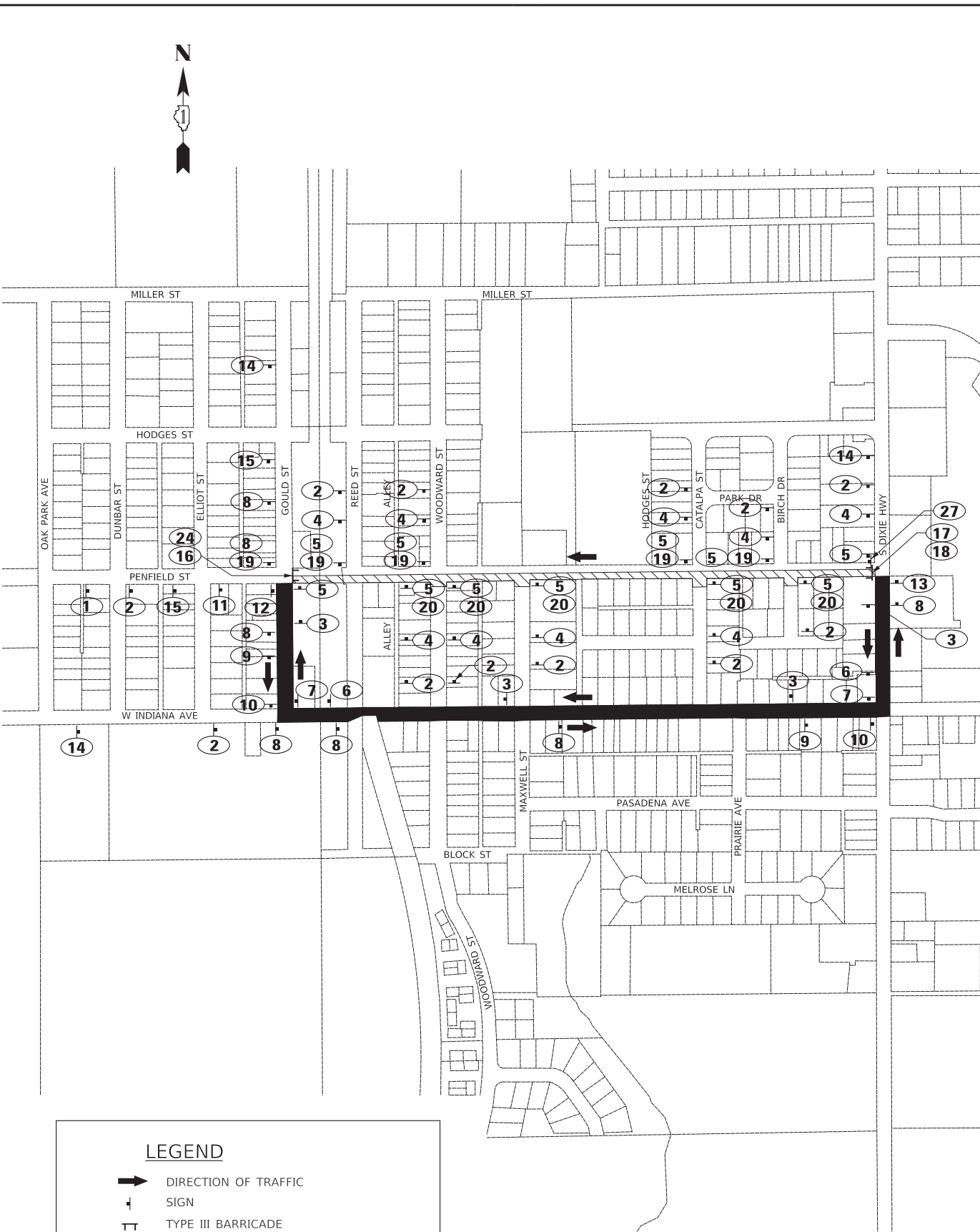
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
 DETOUR PLAN - STAGE I**

SCALE: NONE SHEET 1 OF 3 SHEETS STA. TO STA.

F.A. RTE. 423	SECTION 15-00020-00-FP	COUNTY WILL	TOTAL SHEETS 117	SHEET NO. 44
CONTRACT NO. 61H26				
ILLINOIS FED. AID PROJECT NIW(7436)				

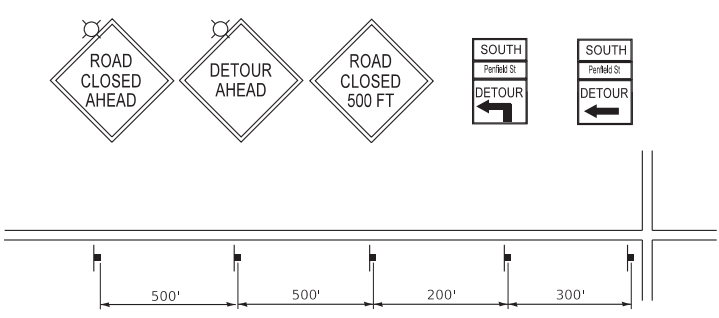
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 11/4/2021



LEGEND

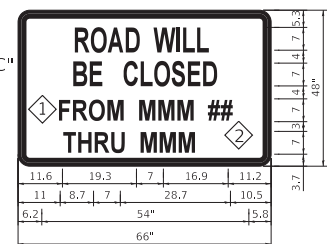
- DIRECTION OF TRAFFIC
- SIGN
- TYPE III BARRICADE
- DETOUR ROUTE
- ROAD CLOSED

TYPICAL DETOUR SIGN SPACING



- MAINTENANCE OF TRAFFIC DETOUR PLAN NOTES:**
- REFER TO DISTRICT DETAIL TC-21 FOR TYPICAL SIGN LAYOUT AND SPACING.
 - THE ENGINEER SHALL BE INFORMED 48 HOURS IN ADVANCE OF ANY CHANGE IN CONSTRUCTION STAGING, THE FURNISHING, INSTALLING, AND RELOCATION OF ALL TRAFFIC SIGNS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
 - ALL CONFLICTING TRAFFIC SIGNS SHALL BE COVERED AS DETERMINED BY THE ENGINEER. THIS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
 - THE CONTRACTOR SHALL MAINTAIN EMERGENCY VEHICLE AND LOCAL TRAFFIC DURING THE CONSTRUCTION OF PENFIELD STREET. THE COST FOR MAINTAINING ACCESS ON PENFIELD STREET SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
 - THE CONTRACTOR SHALL PROVIDE TEMPORARY ACCESS TO ALL ENTRANCES DURING THE CONSTRUCTION OF PENFIELD STREET. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR TEMPORARY ACCESS (PRIVATE ENTRANCE) AND TEMPORARY ACCESS (COMMERCIAL ENTRANCE), TEMPORARY ACCESS (ROAD).

ARTERIAL ROAD INFORMATION SIGN FOR ROADS TO BE FULLY CLOSED AND DETOURED SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING. ONE SIGN ASSEMBLY EQUALS 27.3 SQ. FT.

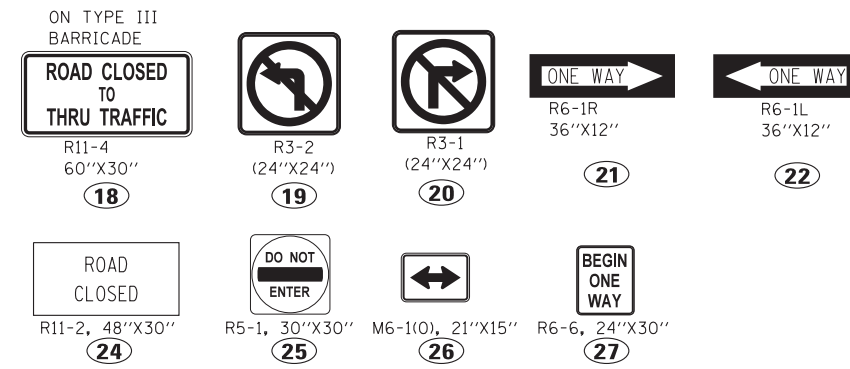
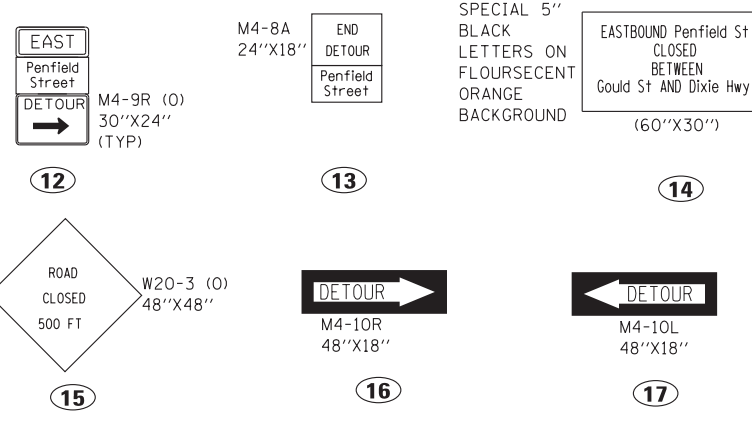
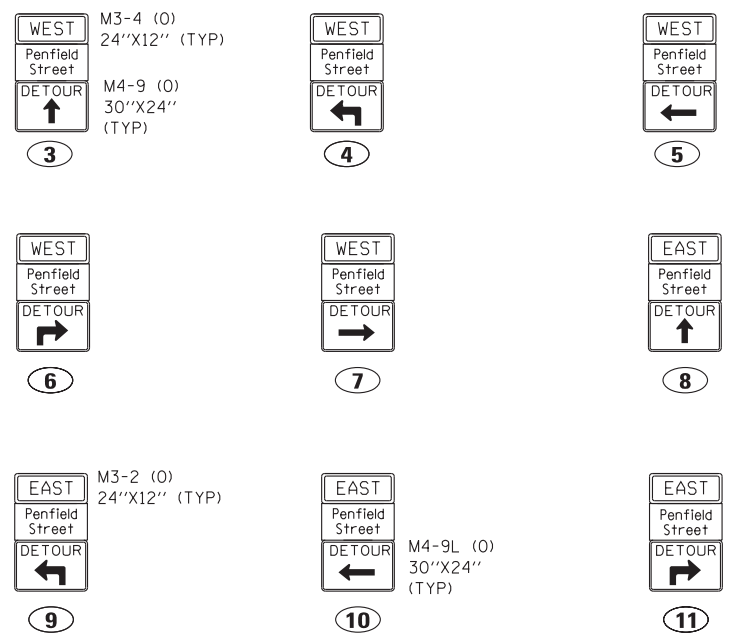
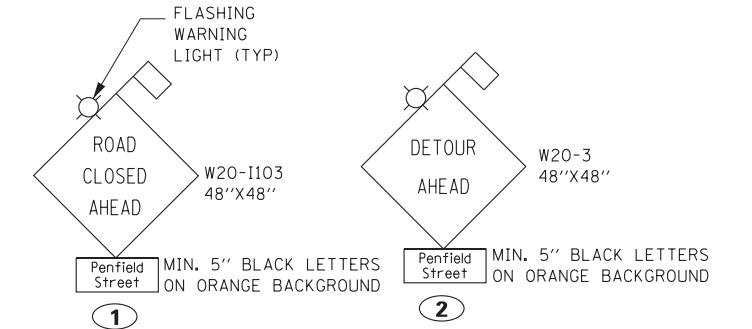


- ◇ OVERLAY PANEL ◇ TO CONTAIN STARTING DATE OF FULL CLOSURE AND DETOUR IMPLEMENTATION. (i.e. "FROM APR 2")
 - ◇ OVERLAY PANEL ◇ TO CONTAIN ENDING MONTH OF FULL CLOSURE & DETOUR (i.e. "THRU JULY") OMIT THE DATE ON PANEL ◇; MONTH ONLY.
- ERECT SIGN ASSEMBLY (POST-MOUNTED WITH PANELS ◇ AND ◇ IN PLACE ON ROAD TO BE CLOSED IN EACH DIRECTION NEAR POINT OF CLOSURE OR WITHIN SECTION TO BE FULLY CLOSED TWO (2) WEEKS TO START DATE OF FULL CLOSURE. REMOVE ASSEMBLY AFTER CLOSURE.

TEMPORARY INFORMATION SIGN DETAIL

23

SIGN DETAILS



BAXTER & WOODMAN Consulting Engineers	USER NAME = ccode	DESIGNED - CAC	REVISED -
	PLOT SCALE = 1,000' / in.	DRAWN - CJC	REVISED -
	PLOT DATE = 11/4/2021	CHECKED - TMS	REVISED -
		DATE - 11-03-21	FILE - 130899_SHT-MOT-Detour Phase II.dgn

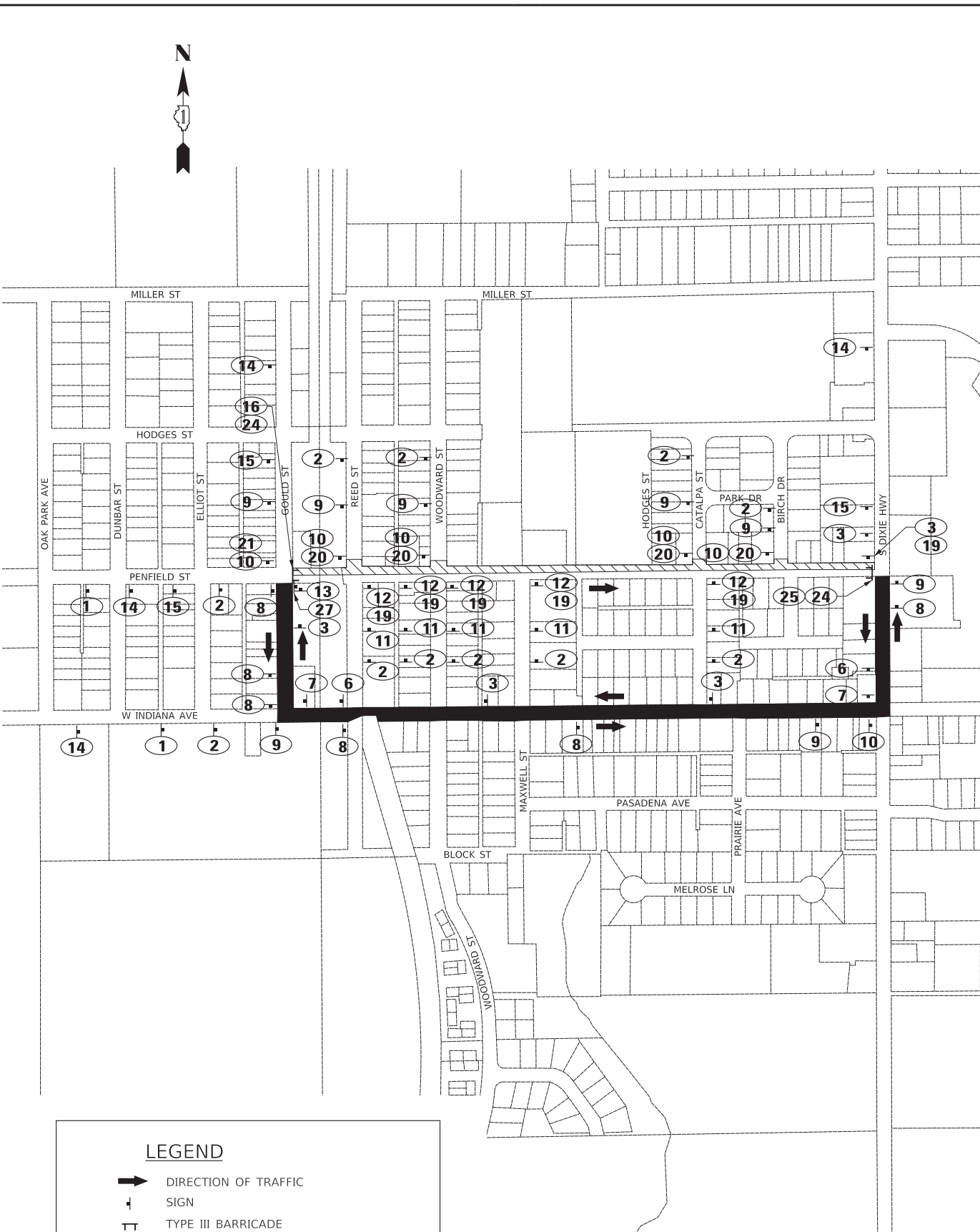
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
DETOUR PLAN - STAGE 2

SCALE: NONE SHEET 2 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	45
CONTRACT NO. 61H26				
ILLINOIS FED. AID PROJECT NIW7(436)				

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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LEGEND

- DIRECTION OF TRAFFIC
- SIGN
- TYPE III BARRICADE
- DETOUR ROUTE
- ROAD CLOSED

TYPICAL DETOUR SIGN SPACING

SIGN DETAILS

MAINTENANCE OF TRAFFIC DETOUR PLAN NOTES:

- REFER TO DISTRICT DETAIL TC-21 FOR TYPICAL SIGN LAYOUT AND SPACING.
- THE ENGINEER SHALL BE INFORMED 48 HOURS IN ADVANCE OF ANY CHANGE IN CONSTRUCTION STAGING, THE FURNISHING, INSTALLING, AND RELOCATION OF ALL TRAFFIC SIGNS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
- ALL CONFLICTING TRAFFIC SIGNS SHALL BE COVERED AS DETERMINED BY THE ENGINEER. THIS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
- THE CONTRACTOR SHALL MAINTAIN EMERGENCY VEHICLE AND LOCAL TRAFFIC DURING THE CONSTRUCTION OF PENFIELD STREET. THE COST FOR MAINTAINING ACCESS ON PENFIELD STREET SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
- THE CONTRACTOR SHALL PROVIDE TEMPORARY ACCESS TO ALL ENTRANCES DURING THE CONSTRUCTION OF PENFIELD STREET. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR TEMPORARY ACCESS (PRIVATE ENTRANCE) AND TEMPORARY ACCESS (COMMERCIAL ENTRANCE), TEMPORARY ACCESS (ROAD).

ARTERIAL ROAD INFORMATION SIGN FOR ROADS TO BE FULLY CLOSED AND DETOURED AND DETOURED SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING. ONE SIGN ASSEMBLY EQUALS 27.3 SQ. FT.

"HIGHWAY C" FONT

TEMPORARY INFORMATION SIGN DETAIL

ROAD WILL BE CLOSED FROM MMM # THRU MMM

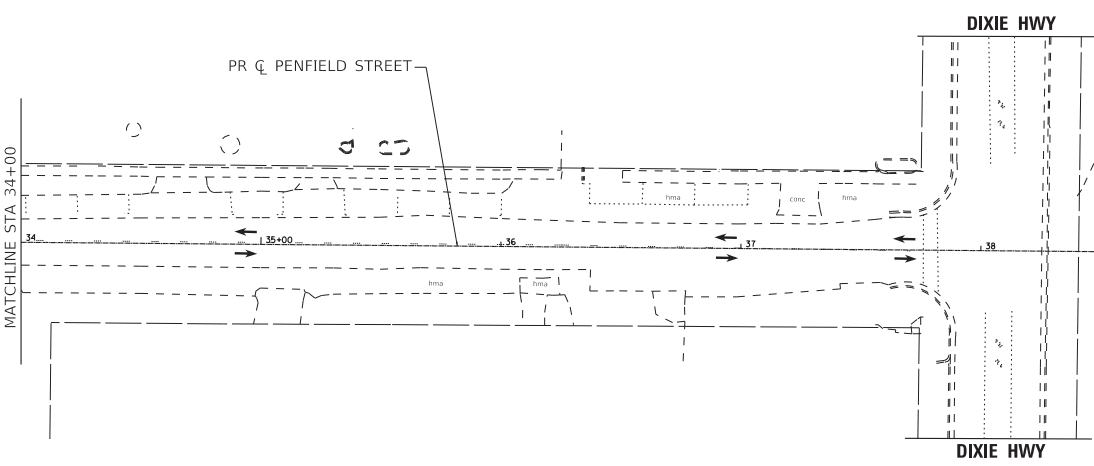
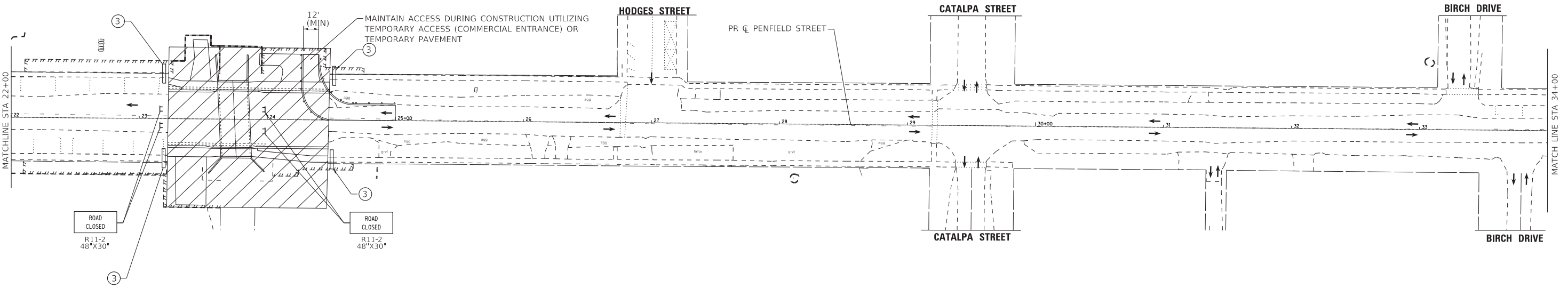
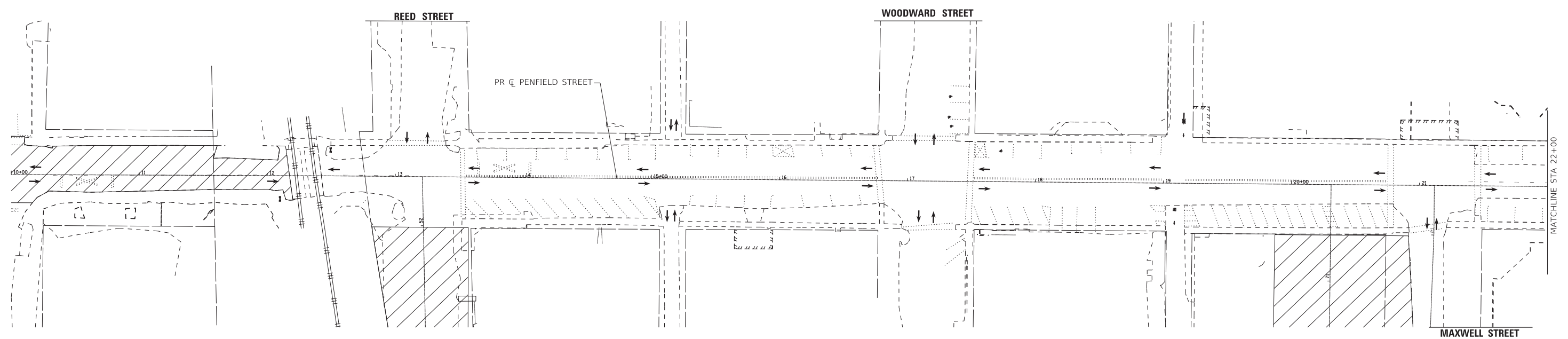
11.6	19.3	7	16.9	11.2
11	8.7	7	28.7	10.5
6.2	54"			5.8
66"				

OVERLAY PANEL 1 TO CONTAIN STARTING DATE OF FULL CLOSURE AND DETOUR IMPLEMENTATION. (i.e. "FROM APR 2")

OVERLAY PANEL 2 TO CONTAIN ENDING MONTH OF FULL CLOSURE & DETOUR (i.e. "THRU JULY") OMIT THE DATE ON PANEL 2; MONTH ONLY.

ERECT SIGN ASSEMBLY (POST-MOUNTED WITH PANELS 1 AND 2) IN PLACE ON ROAD TO BE CLOSED IN EACH DIRECTION NEAR POINT OF CLOSURE OR WITHIN SECTION TO BE FULLY CLOSED TWO (2) WEEKS PRIOR TO START DATE OF FULL CLOSURE. REMOVE ASSEMBLY AFTER CLOSURE.

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2021
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- LEGEND**
- STAGE 1 WORK ZONE
 - DIRECTION OF TRAFFIC
 - TYPE III BARRICADE WITH FLASHING LIGHTS
 - DRUMS OR TYPE II BARRICADES
50' C-C ON TANGENT
25' C-C ON TAPERS
 - SIGN
 - PAVEMENT MARKING TAPE, TYPE IV - LINE 4" (WHITE)
 - PAVEMENT MARKING TAPE, TYPE IV - LINE 4" (YELLOW)
 - DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE
- ③ SIDEWALK CLOSED R11-1101 24"X18"
- ④ SIDEWALK CLOSED R11-1102 24"X30"
← USE OTHER SIDE

NOTES

REFER TO SUGGESTED MAINTENANCE OF TRAFFIC GENERAL NOTES, SEQUENCE OF CONSTRUCTION, AND DETOUR PLAN FOR ADDITIONAL INFORMATION.



USER NAME = ccode	DESIGNED - CAC	REVISED -
DRAWN - CJC	REVISED -	
PLOT SCALE = 40.0000' / in.	CHECKED - TMS	REVISED -
PLOT DATE = 11/4/2021	DATE - 11-03-21	FILE - 130899_SHT-MOT-Stage 1.dgn

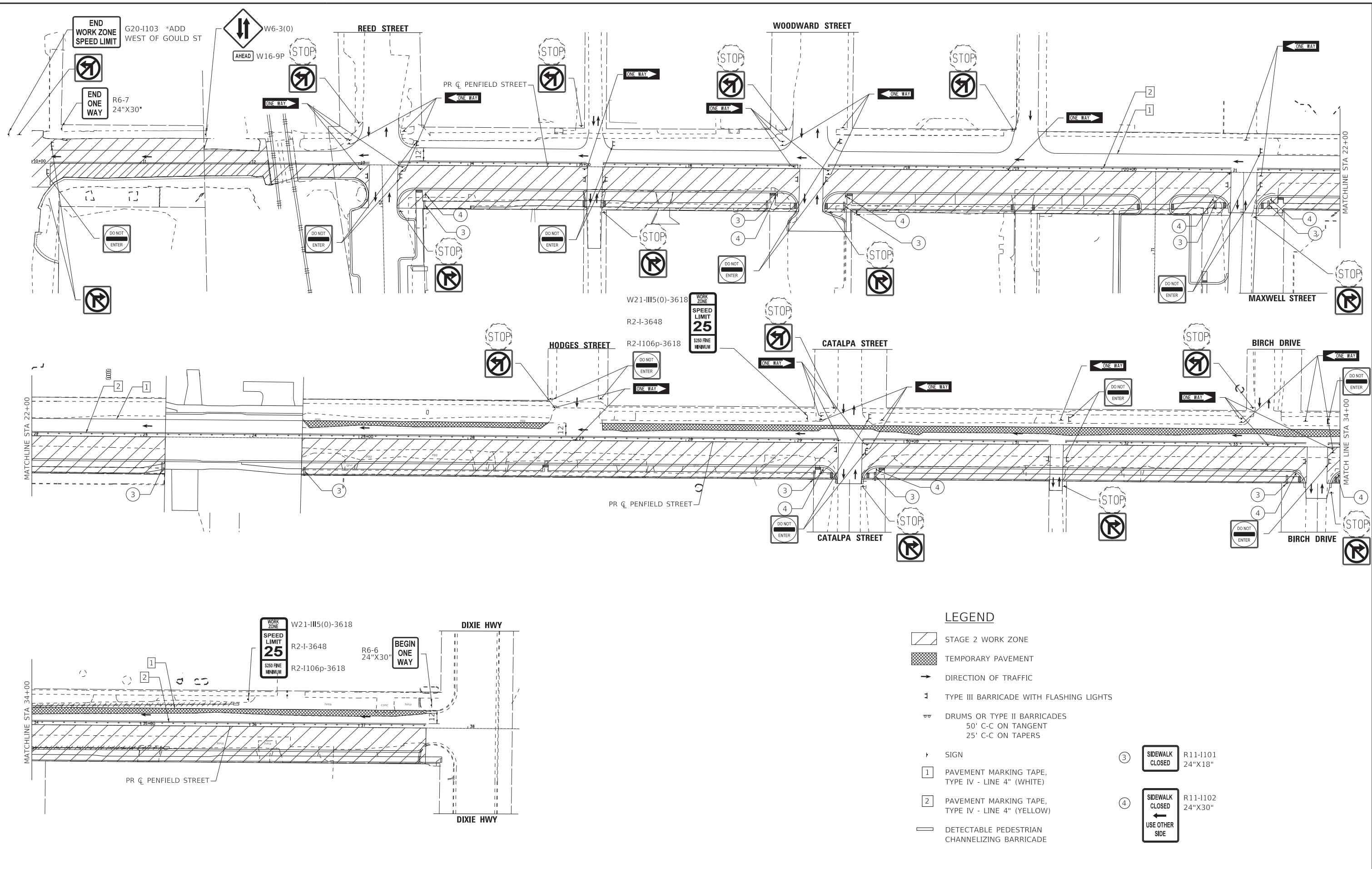
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**SUGGESTED MAINTENANCE OF TRAFFIC
PENFIELD STREET - STAGE 1**

SCALE: 1" = 40' SHEET 1 OF 3 SHEETS STA. 10+00 TO STA. 38+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	47
				CONTRACT NO. 61H26
ILLINOIS FED. AID PROJECT NIW7(436)				

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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LEGEND

- STAGE 2 WORK ZONE
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH FLASHING LIGHTS
- DRUMS OR TYPE II BARRICADES
50' C-C ON TANGENT
25' C-C ON TAPERS
- SIGN
- PAVEMENT MARKING TAPE, TYPE IV - LINE 4" (WHITE)
- PAVEMENT MARKING TAPE, TYPE IV - LINE 4" (YELLOW)
- DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE

③ SIDEWALK CLOSED R11-1101 24"X18"

④ SIDEWALK CLOSED R11-1102 24"X30"
← USE OTHER SIDE

BAXTER & WOODMAN Consulting Engineers	USER NAME = ccode	DESIGNED - CAC	REVISED -
	PLOT SCALE = 40.0000' / in.	DRAWN - CJC	REVISED -
	PLOT DATE = 11/4/2021	CHECKED - TMS	REVISED -
		DATE - 11-03-21	FILE - 130899_SHT-MOT-Stage 2.dgn

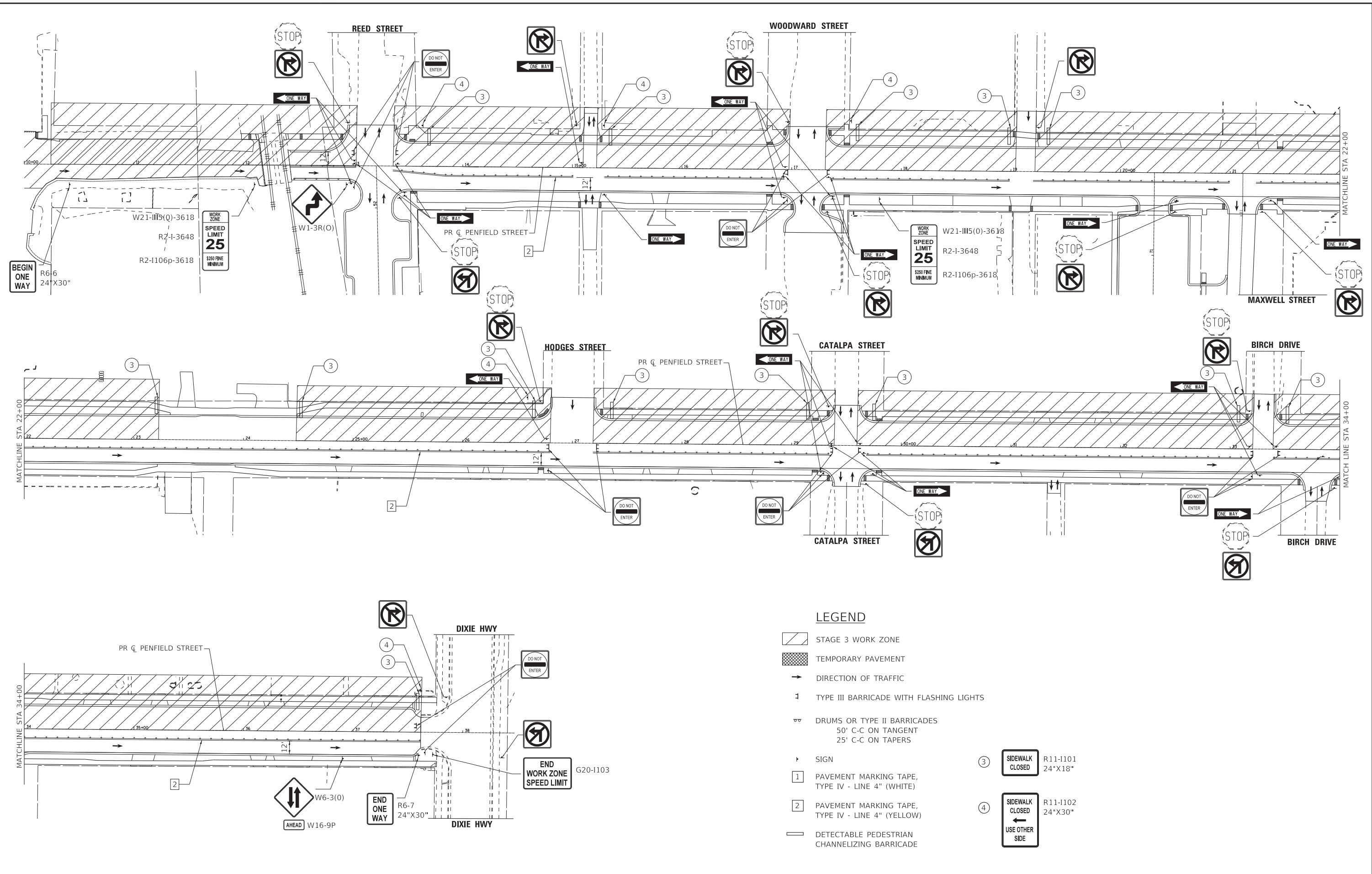
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC
PENFIELD STREET - STAGE 2**

SCALE: 1" = 40' SHEET 2 OF 3 SHEETS STA. 10+00 TO STA. 38+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	48
CONTRACT NO. 61H26				
ILLINOIS FED. AID PROJECT NIW7(436)				

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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LEGEND

- STAGE 3 WORK ZONE
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE WITH FLASHING LIGHTS
- DRUMS OR TYPE II BARRICADES
50' C-C ON TANGENT
25' C-C ON TAPERS
- SIGN
- PAVEMENT MARKING TAPE, TYPE IV - LINE 4" (WHITE)
- PAVEMENT MARKING TAPE, TYPE IV - LINE 4" (YELLOW)
- DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE

- 3 SIDEWALK CLOSED R11-1101 24"x18"
- 4 SIDEWALK CLOSED R11-1102 24"x30" USE OTHER SIDE



USER NAME = ccode	DESIGNED - CAC	REVISED -
DRAWN - CJC	REVISED -	
PLOT SCALE = 40.0000' / in.	CHECKED - TMS	REVISED -
PLOT DATE = 11/4/2021	DATE - 11-03-21	FILE - 130899_SHT-MOT-Stage 3.dgn

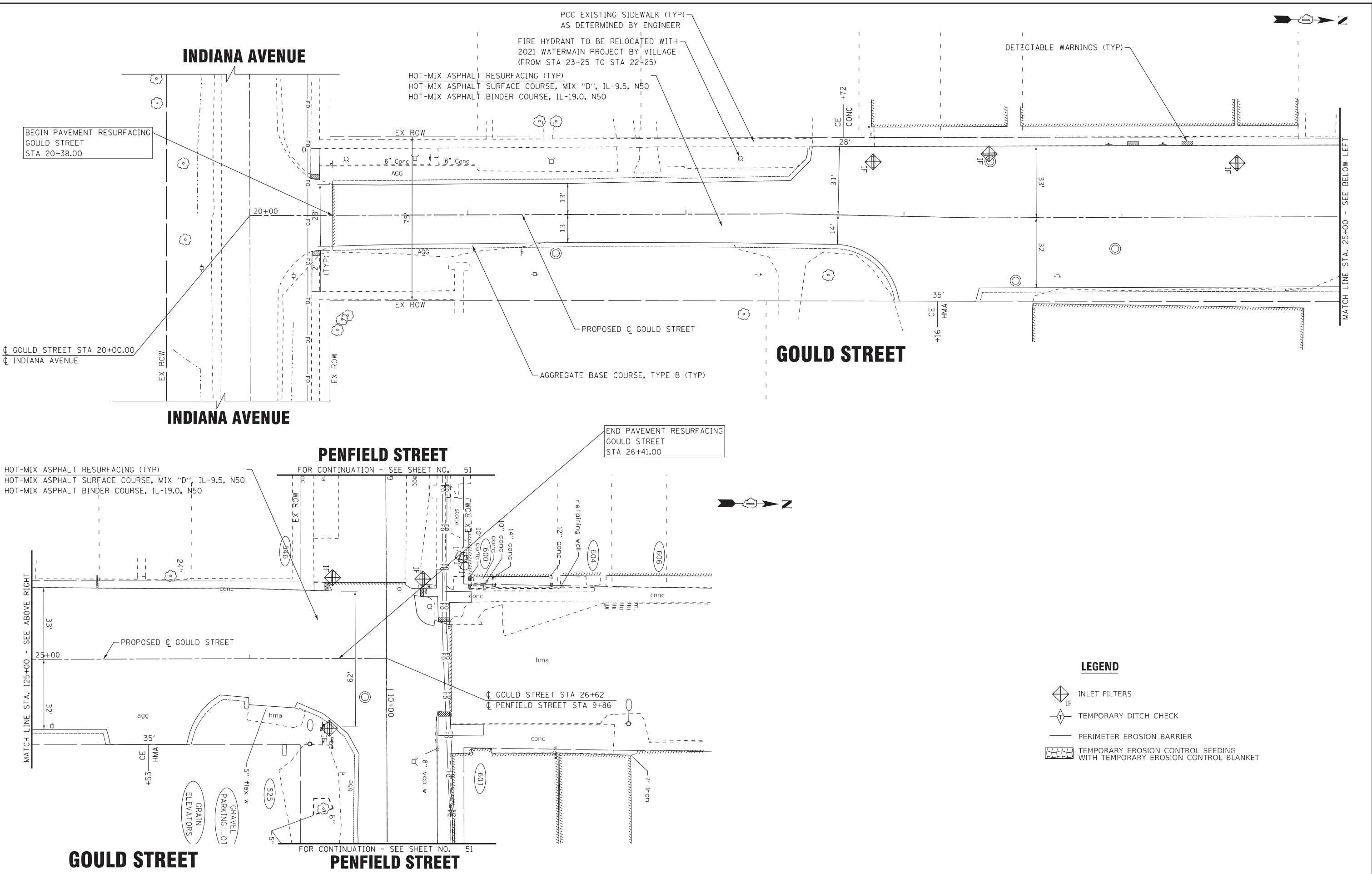
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC
PENFIELD STREET - STAGE 3**

SCALE: 1" = 40' SHEET 3 OF 3 SHEETS STA. 10+00 TO STA. 38+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	49
CONTRACT NO. 61H26				
ILLINOIS FED. AID PROJECT NIW7(436)				

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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LEGEND

	INLET FILTERS
	TEMPORARY DITCH CHECK
	PERIMETER EROSION BARRIER
	TEMPORARY EROSION CONTROL SEEDING WITH TEMPORARY EROSION CONTROL BLANKET

BAXTER & WOODMAN Consulting Engineers	USER NAME = ccode	DESIGNED - CAC	REVISED -
	PLOT SCALE = 20.0000' / in.	DRAWN - KAR	REVISED -
	PLOT DATE = 11/4/2021	CHECKED - TMS	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

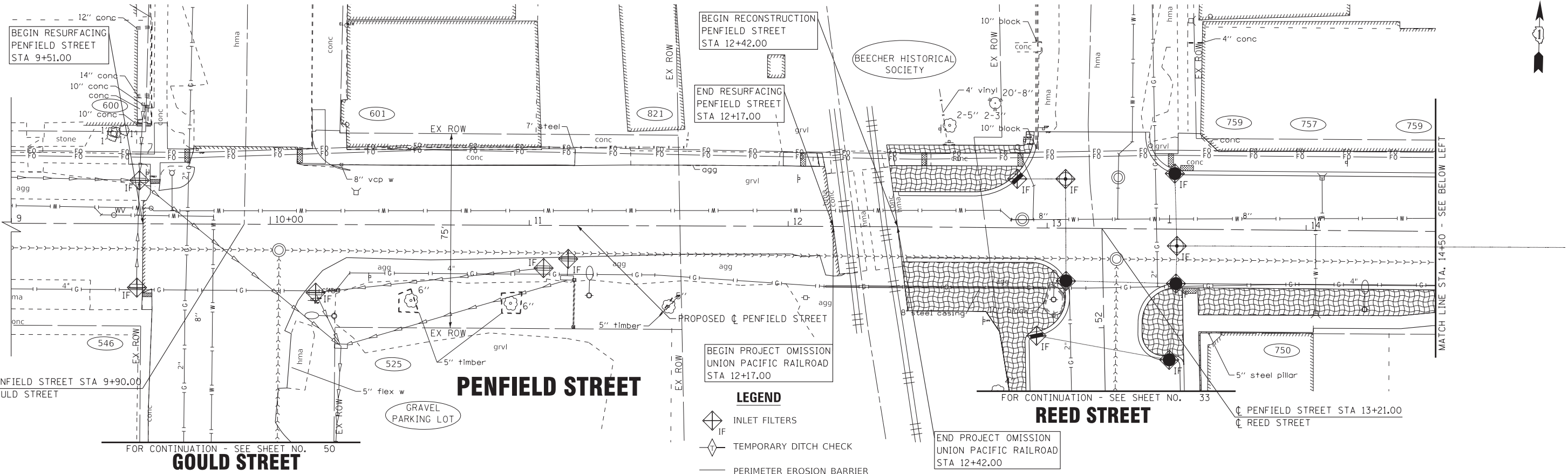
**EROSION CONTROL PLAN
- GOULD STREET**

SCALE: 1" = 20' SHEET 1 OF 5 SHEETS STA. 20+38 TO STA. 26+41

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	50
CONTRACT NO. 61H26				
ILLINOIS FED. AID PROJECT NIW7(436)				

GOULD STREET

REED STREET



BEGIN RESURFACING
PENFIELD STREET
STA 9+51.00

BEGIN RECONSTRUCTION
PENFIELD STREET
STA 12+42.00

END RESURFACING
PENFIELD STREET
STA 12+17.00

BEGIN PROJECT OMISSION
UNION PACIFIC RAILROAD
STA 12+17.00

END PROJECT OMISSION
UNION PACIFIC RAILROAD
STA 12+42.00

- LEGEND**
- INLET FILTERS
 - TEMPORARY DITCH CHECK
 - PERIMETER EROSION BARRIER
 - TEMPORARY EROSION CONTROL SEEDING WITH TEMPORARY EROSION CONTROL BLANKET

FOR CONTINUATION - SEE SHEET NO. 50

GOULD STREET

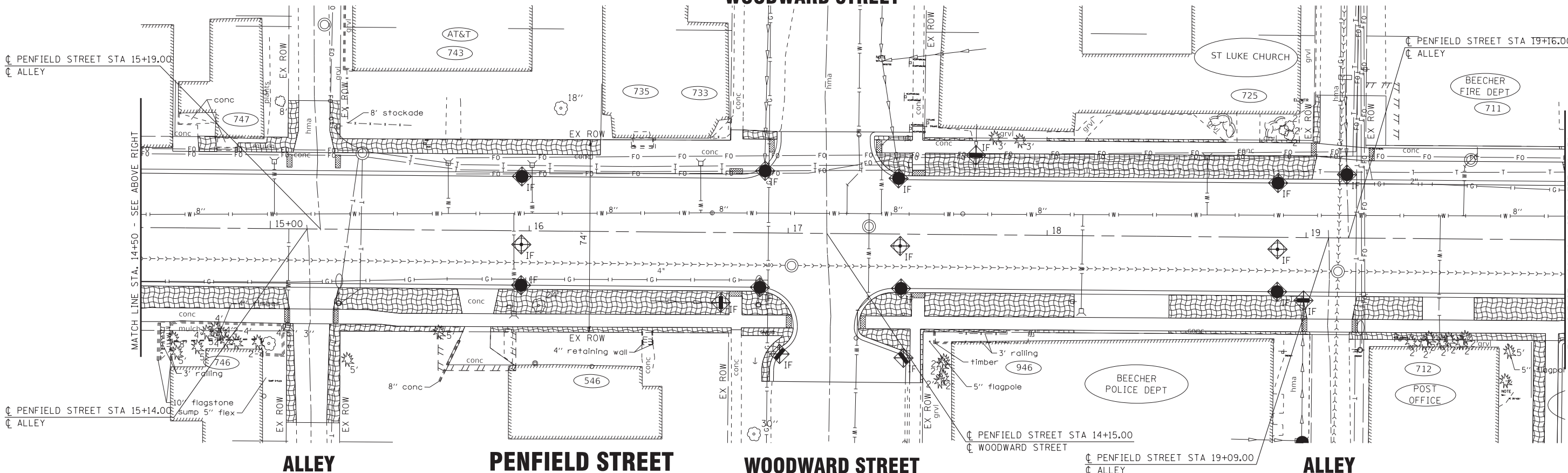
FOR CONTINUATION - SEE SHEET NO. 33

REED STREET

ALLEY

WOODWARD STREET

ALLEY



MATCH LINE STA. 14+50 - SEE ABOVE RIGHT

FOR CONTINUATION - SEE SHEET NO. 51

MATCH LINE STA. 20+00 - SEE SHEET NO. 52



ALLEY

PENFIELD STREET

WOODWARD STREET

ALLEY

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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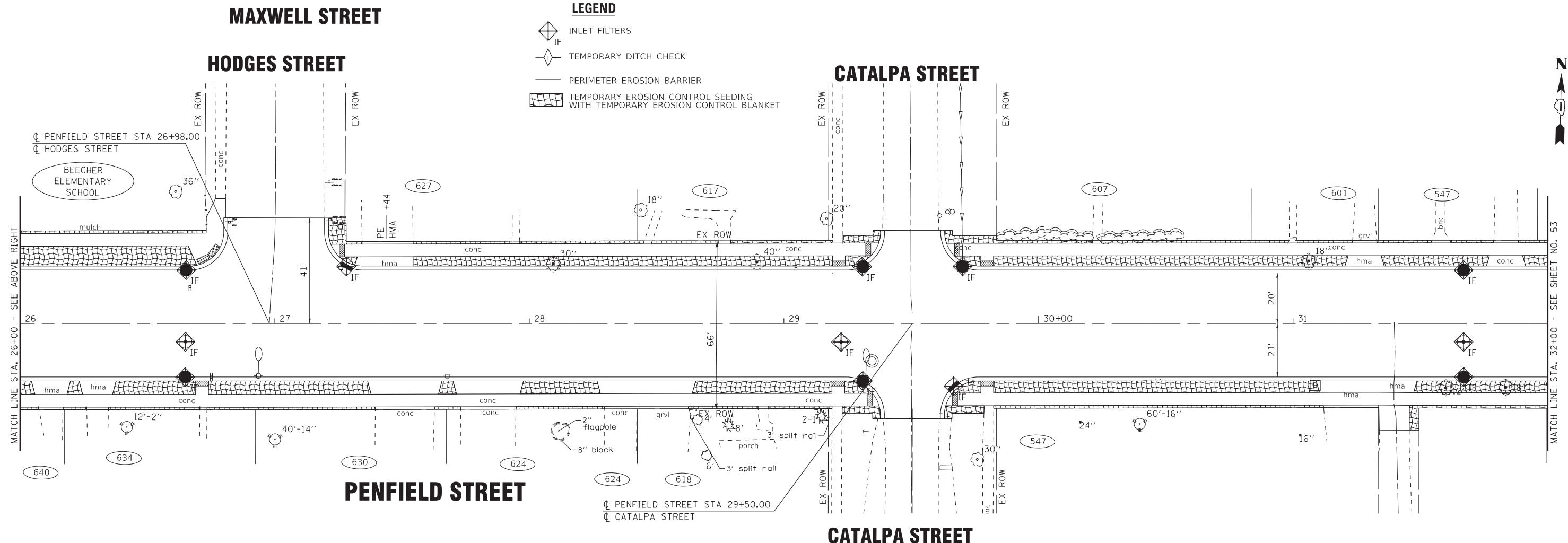
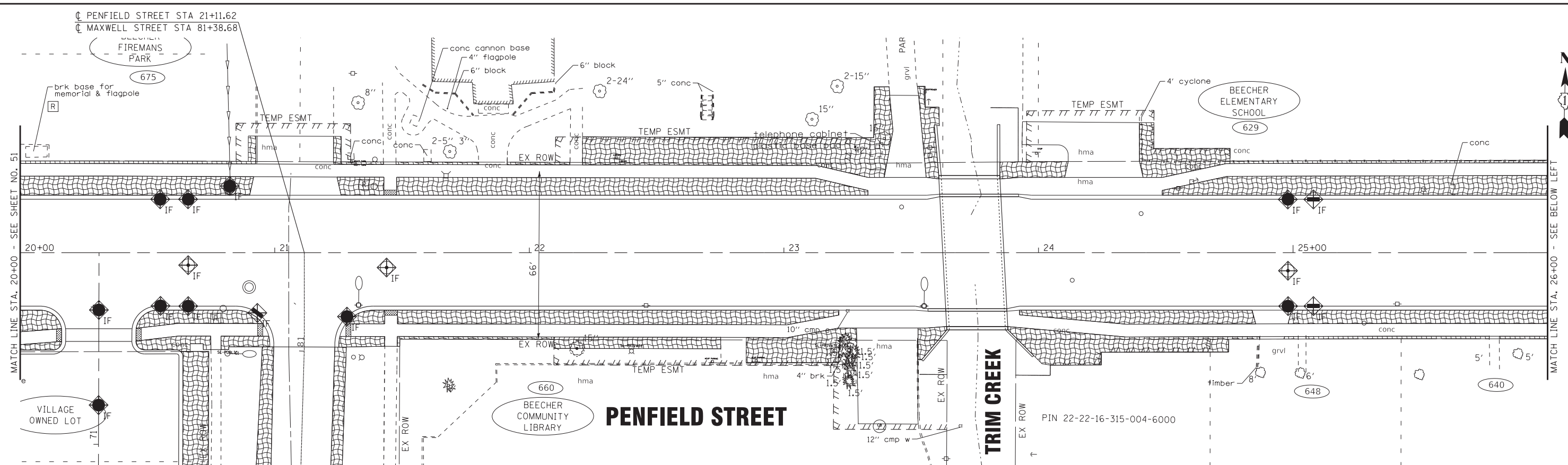
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN
- PENFIELD STREET

SCALE: 1" = 20' SHEET 2 OF 5 SHEETS STA. 9+51 TO STA. 20+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	51
CONTRACT NO. 61H26				
ILLINOIS FED. AID PROJECT NIW7(436)				

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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- LEGEND**
- INLET FILTERS
 - TEMPORARY DITCH CHECK
 - PERIMETER EROSION BARRIER
 - TEMPORARY EROSION CONTROL SEEDING WITH TEMPORARY EROSION CONTROL BLANKET



USER NAME = ccode	DESIGNED - CAC	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - KAR	REVISED -
PLOT DATE = 11/4/2021	CHECKED - TMS	REVISED -
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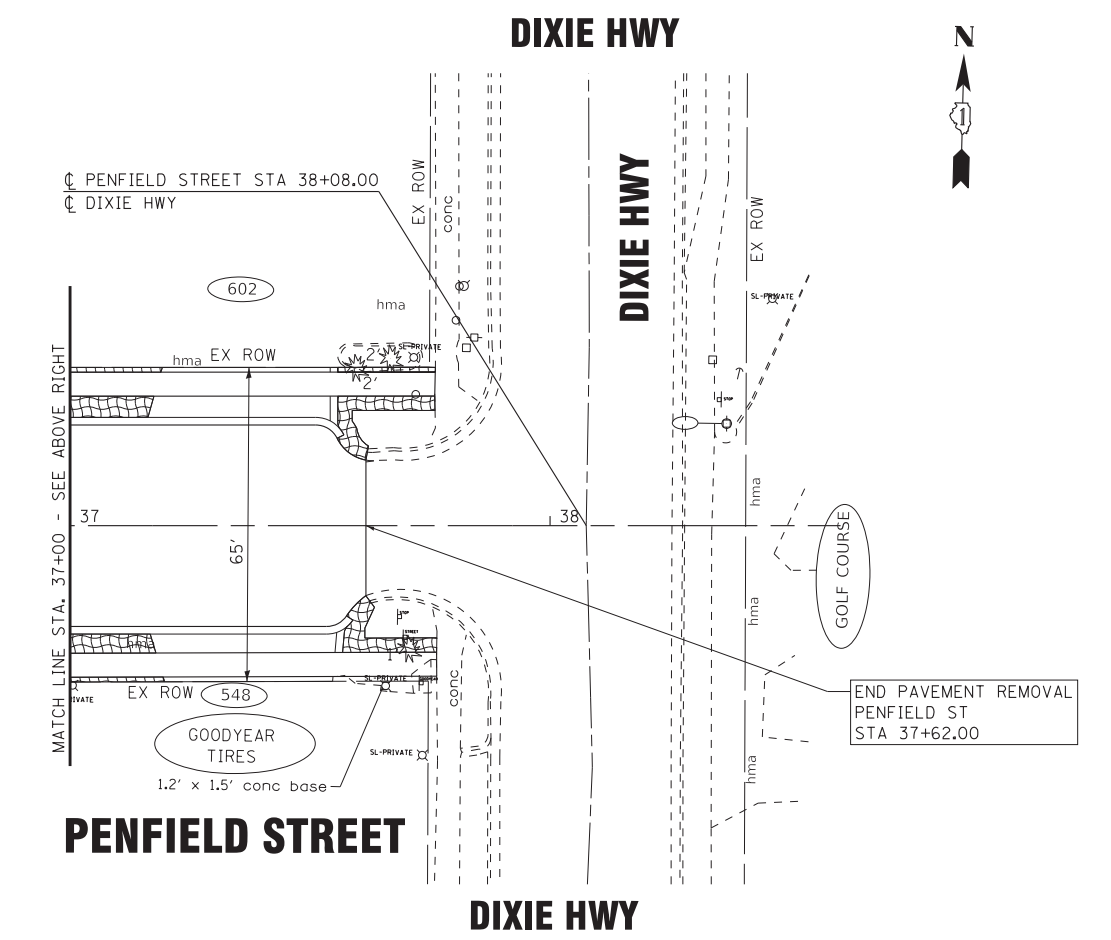
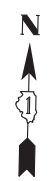
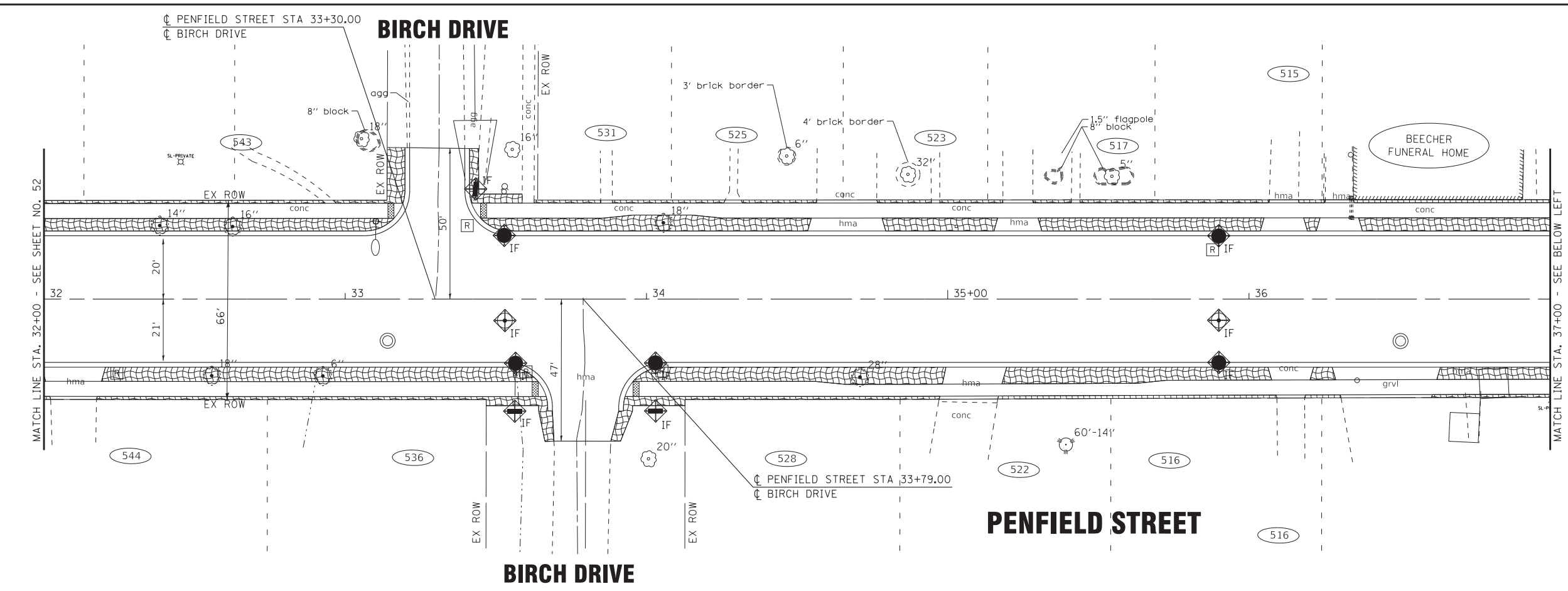
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

**EROSION CONTROL PLAN
 - PENFIELD STREET**

SCALE: 1" = 20' SHEET 3 OF 5 SHEETS STA. 20+00 TO STA. 32+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	52
CONTRACT NO. 61H26				
ILLINOIS FED. AID PROJECT NIW7(436)				

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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- LEGEND**
- INLET FILTERS
 - TEMPORARY DITCH CHECK
 - PERIMETER EROSION BARRIER
 - TEMPORARY EROSION CONTROL SEEDING WITH TEMPORARY EROSION CONTROL BLANKET

BAXTER & WOODMAN Consulting Engineers	USER NAME = ccode	DESIGNED - CAC	REVISED -
	PLOT SCALE = 20.0000' / in.	DRAWN - KAR	REVISED -
	PLOT DATE = 11/4/2021	CHECKED - TMS	REVISED -
		DATE - 11-03-21	FILE - 130899_SHT-Eros3.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN
- PENFIELD STREET**

SCALE: 1" = 20' SHEET 4 OF 5 SHEETS STA. 32+00 TO STA. 38+08

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	53
CONTRACT NO. 61H26				
ILLINOIS FED. AID PROJECT NIW7(436)				

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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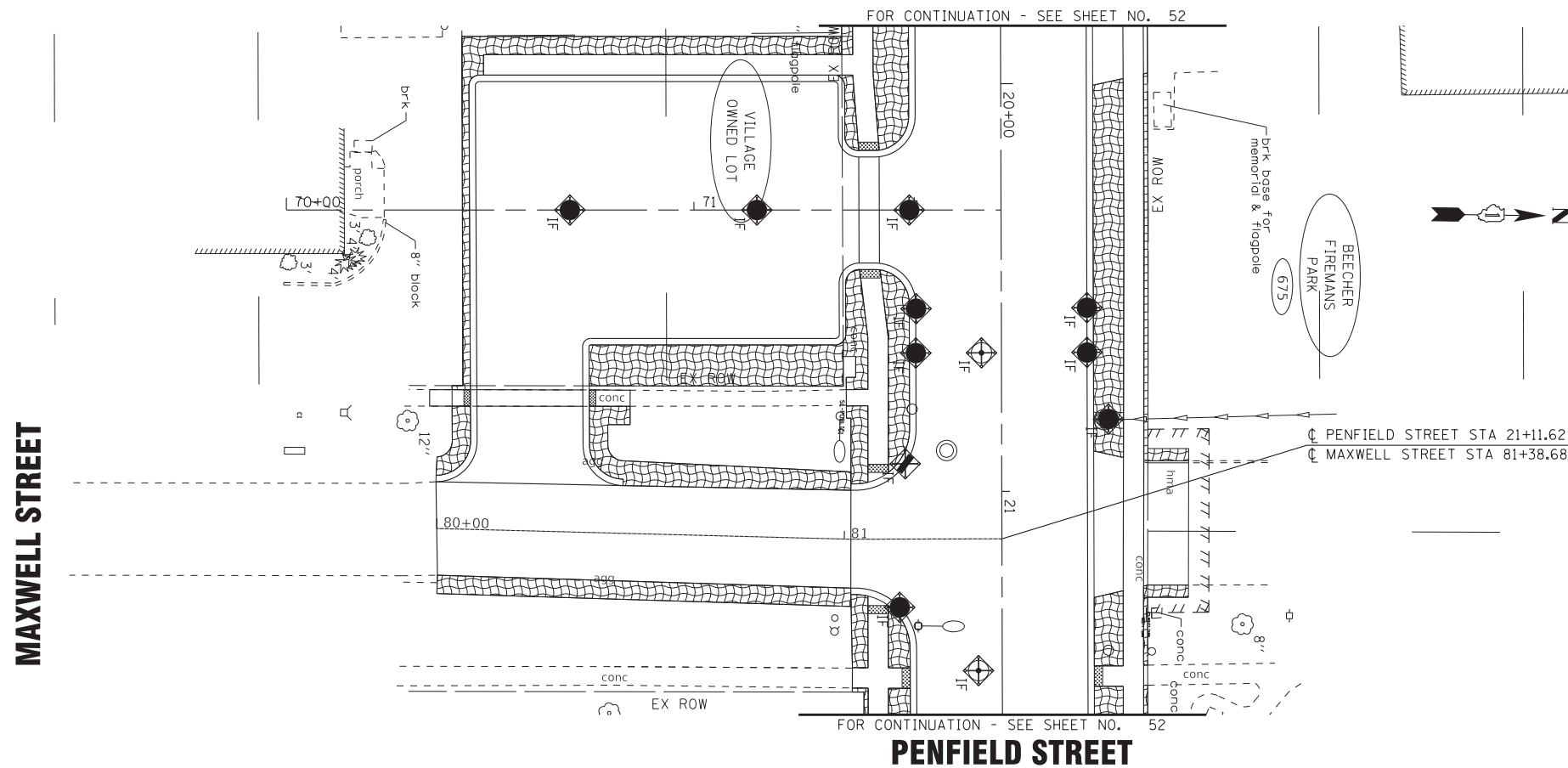
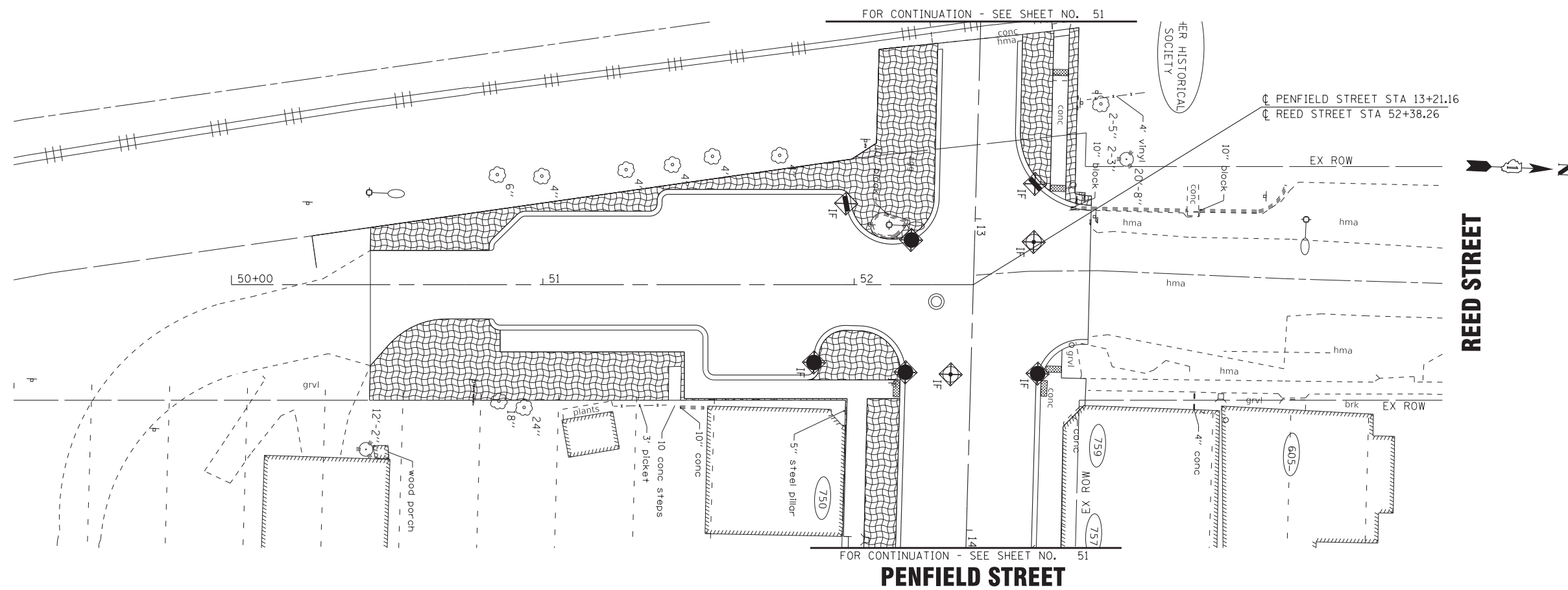
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN
 - REED STREET AND MAXWELL STREET

SCALE: 1" = 20'
 SHEET 5 OF 5 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	54
CONTRACT NO. 61H26				
ILLINOIS FED. AID PROJECT NIW7(436)				

- LEGEND**
- INLET FILTERS
 - TEMPORARY DITCH CHECK
 - PERIMETER EROSION BARRIER
 - TEMPORARY EROSION CONTROL SEEDING WITH TEMPORARY EROSION CONTROL BLANKET



MAXWELL STREET

REED STREET

FOR CONTINUATION - SEE SHEET NO. 51

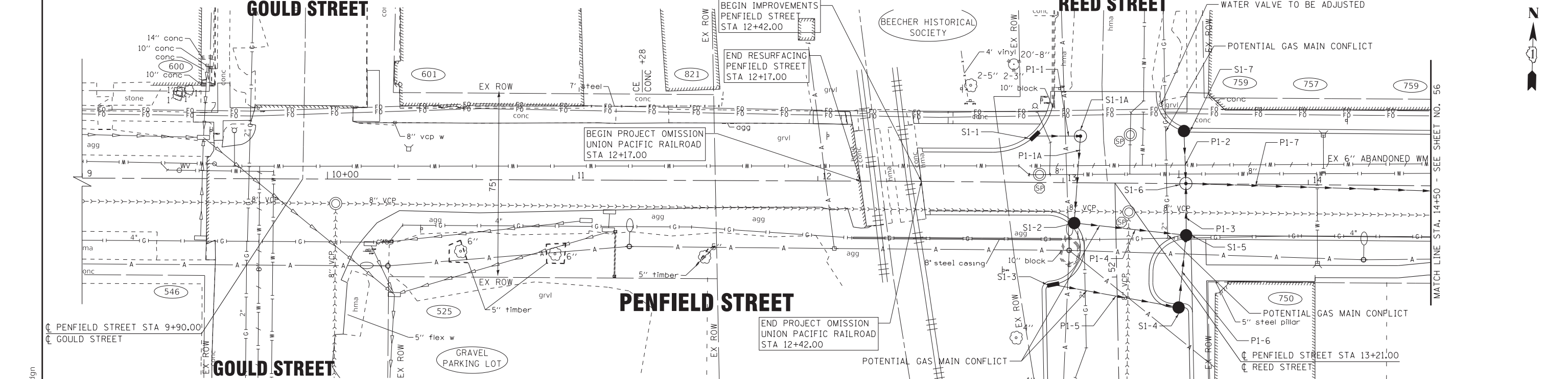
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FOR CONTINUATION - SEE SHEET NO. 52

FOR CONTINUATION - SEE SHEET NO. 52

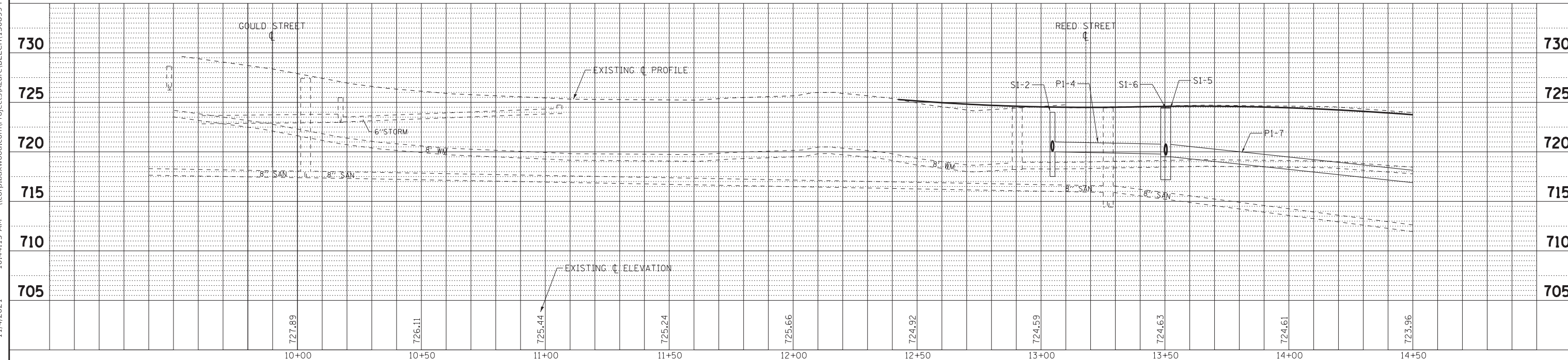
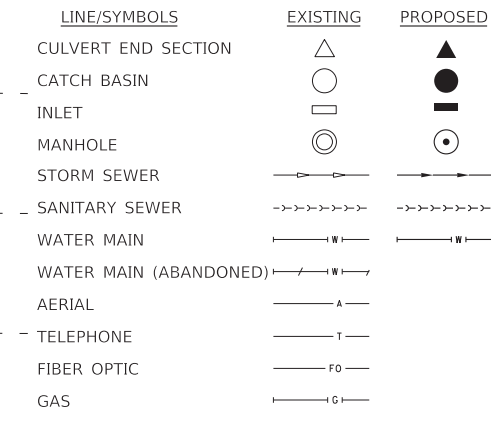
PENFIELD STREET STA 13+21.16
 REED STREET STA 52+38.26

PENFIELD STREET STA 21+11.62
 MAXWELL STREET STA 81+38.68

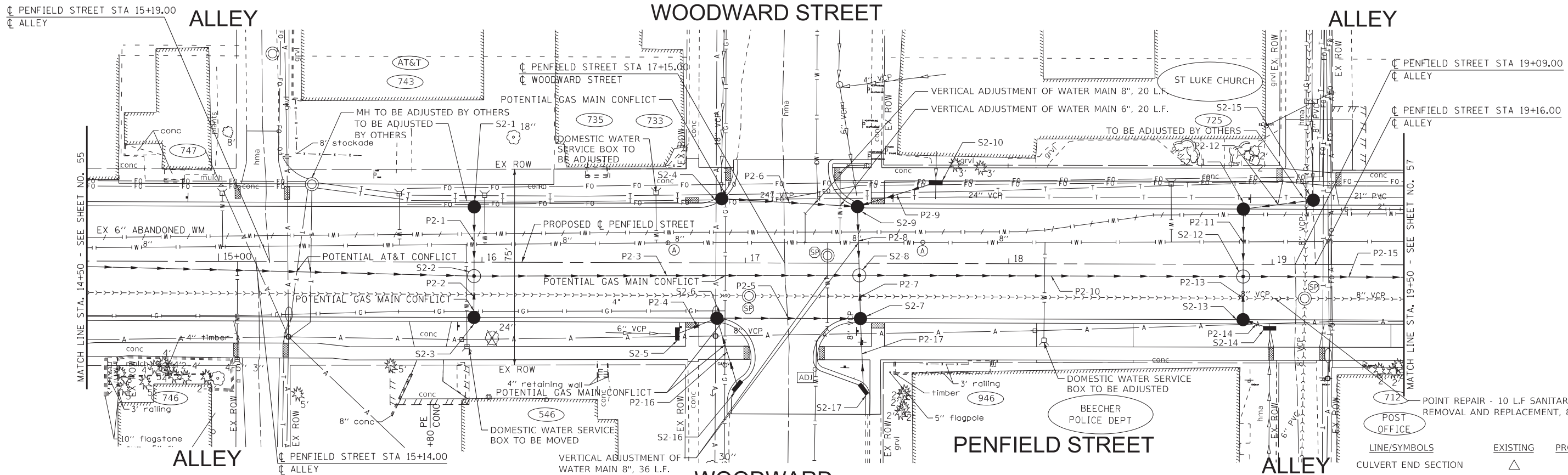


PIPE NO.	FROM	TO	PIPE TYPE	LENGTH FT	SLOPE %	TRENCH BACKFILL CU YD
P1-1	S1-1	S1-1A	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	19	1.84%	5.4
P1-1A	S1-1A	S1-2	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	39	0.51%	13.1
P1-2	S1-7	S1-6	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	28	1.04%	10.1
P1-3	S1-5	S1-6	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	15	0.53%	6.4
P1-4	S1-2	S1-5	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	45	0.52%	17.0
P1-5	S1-3	S1-4	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	52	0.69%	20.9
P1-6	S1-4	S1-5	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	30	0.50%	1.6
P1-7	S1-6	S2-2	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 15"	247	2.41%	121.6

STRUCTURE NO.	STA.	OFFSET FT	STRUCTURE TYPE	RIM/EOP	INVERTS
S1-1	12+88	18.8' LT	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	724.20	720.95 12" E
S1-1A	13+07	19.0' LT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	724.56	720.30 12" S 720.60 12" W
S1-2	13+03	18.6' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	723.89	720.00 12" E 720.10 12" N
S1-3	12+95	41.0' RT	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	723.99	719.60 12" SE
S1-4	13+48	50.5' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	724.23	719.24 12" N 719.24 12" NW
S1-5	13+50	21.0' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	724.14	719.68 12" N 719.78 12" S 719.78 12" W
S1-6	13+50	6.5' RT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	724.46	718.96 15" E 719.85 12" N 719.60 12" S
S1-7	13+49	21.0' LT	CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE	724.35	720.14 12" S



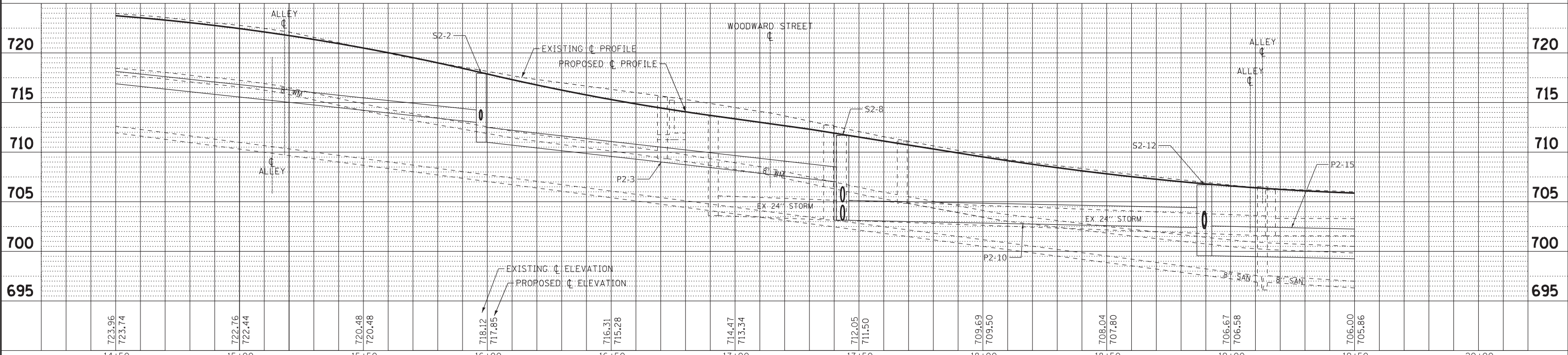
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STRUCTURE NO.	STA.	OFFSET FT	STRUCTURE TYPE	RIM/EOP	INVERTS
S2-1	15+97	21.0' LT	CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE	717.60	714.00 12" S
S2-2	15+97	5.3' RT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	717.92	711.00 18" E 713.00 15" W 713.25 12" N 713.25 12" S
S2-3	15+97	21.0' RT	CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE	717.60	713.33 12" N
S2-4	16+91	24.0' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	713.47	703.61 18" E 703.61 EX 18" N
S2-5	16+74	27.0' RT	INLETS, TYPE A, TYPE 8 GRATE	714.32	709.50 12" NE 711.26 EX 6" W
S2-6	16+89	21.0' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	713.47	707.78 15" E 709.00 12" SW 708.16 12" SE
S2-7	17+44	21.0' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	711.32	705.20 18" N 707.50 15" W 707.00 12" S
S2-8	17+43	4.5' RT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	711.69	703.13 24" E 707.00 18" W 705.00 18" S 703.13 18" N
S2-9	17+42	21.5' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	711.24	703.27 18" S 706.00 EX 6" N 706.85 12" NE 703.37 18" W
S2-10	17+72	30.7' LT	INLETS, TYPE A, TYPE 8 GRATE	712.00	707.80 12" SW 710.00 EX 6" N
S2-11	18+89	21.0' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	706.38	702.65 18" S 702.88 15" NE
S2-12	18+89	4.6' RT	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	706.71	699.55 36" E 702.40 24" W 702.52 18" N 702.30 18" S
S2-13	18+89	21.0' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	706.38	702.38 18" N 702.88 12" SE
S2-14	18+99	24.2' RT	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	706.61	703.00 12" NW 704.00 EX 6" SW
S2-15	19+16	21.0' LT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	706.19	703.10 15" SW 703.38 EX 8" N
S2-16	16+97	46.7' RT	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	713.51	708.30 12" NW
S2-17	17+45	48.8' RT	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	711.75	707.75 12" N

PIPE NO.	FROM	TO	PIPE TYPE	LENGTH FT	SLOPE %	TRENCH BACKFILL CU YD
P2-1	S2-1	S2-2	STORM SEWERS (WATER MAIN REQUIREMENTS) 12 INCH	26	2.88%	8.7
P2-2	S2-3	S2-2	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	16	2.19%	6.1
P2-3	S2-2	S2-8	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"	146	2.74%	85.6
P2-4	S2-5	S2-6	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	16	3.13%	6.6
P2-5	S2-6	S2-7	STORM SEWERS (WATER MAIN REQUIREMENTS) 15 INCH	55	1.49%	21.4
P2-6	S2-4	S2-9	STORM SEWERS (WATER MAIN REQUIREMENTS) 18 INCH	52	0.46%	47.3
P2-7	S2-7	S2-8	STORM SEWERS (WATER MAIN REQUIREMENTS) 18 INCH	16	1.25%	10.0
P2-8	S2-9	S2-8	STORM SEWERS (WATER MAIN REQUIREMENTS) 18 INCH	26	0.54%	21.9
P2-9	S2-10	S2-9	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	31	3.06%	5.3
P2-10	S2-8	S2-12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 24"	146	0.50%	104.3
P2-11	S2-11	S2-12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 18"	26	0.50%	9.2
P2-12	S2-15	S2-11	STORM SEWERS (WATER MAIN REQUIREMENTS) 15 INCH	27	0.89%	7.0
P2-13	S2-13	S2-12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 18"	16	0.50%	6.2
P2-14	S2-14	S2-13	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	11	1.09%	3.3
P2-15	S2-12	S3-6	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 36"	177	0.50%	203.6
P2-16	S2-16	S2-6	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	27	2.96%	5.4
P2-17	S2-17	S2-7	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	27	2.78%	4.7

LINE/SYMBOLS	EXISTING	PROPOSED
CULVERT END SECTION		
CATCH BASIN		
INLET		
MANHOLE		
STORM SEWER		
SANITARY SEWER		
WATER MAIN		
WATER MAIN (ABANDONED)		
AERIAL		
TELEPHONE		
FIBER OPTIC		
GAS		



STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2022
 11/4/2021
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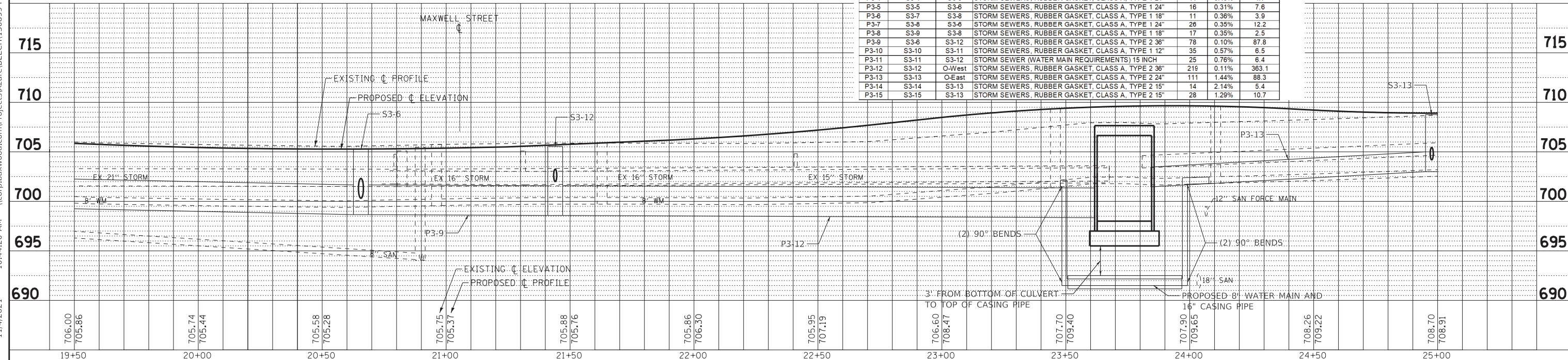
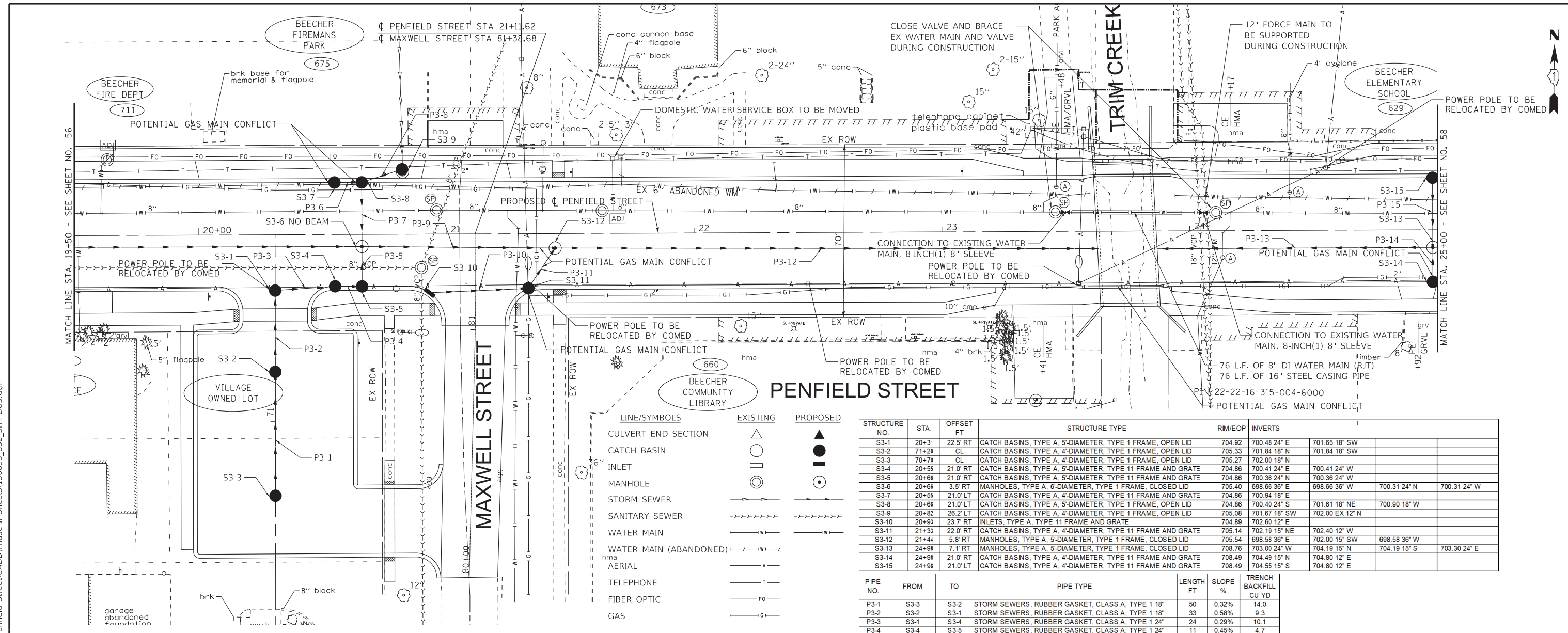
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	DATE - 11-03-21	FILE - 130899_SS2_SHT-DU2.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY
- PENFIELD STREET

SCALE: H₁"=20'; V₁"=5' SHEET 2 OF 6 SHEETS STA. 14+50 TO STA. 19+50

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	56
ILLINOIS FED. AID PROJECT NIW7(436)			CONTRACT NO. 61H26	



STRUCTURE NO.	STA.	OFFSET FT	STRUCTURE TYPE	RIM/EOP	INVERTS
S3-1	20+31	22.5' RT	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	704.92	700.48 24" E 701.65 18" SW
S3-2	71+20	CL	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	705.33	701.84 18" N 701.84 18" SW
S3-3	70+79	CL	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	705.27	702.00 18" N
S3-4	20+55	21.0' RT	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 11 FRAME AND GRATE	704.86	700.41 24" E 700.41 24" W
S3-5	20+66	21.0' RT	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 11 FRAME AND GRATE	704.86	700.36 24" N 700.36 24" W
S3-6	20+66	3.5' RT	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	705.40	698.66 36" E 698.66 36" W 700.31 24" N 700.31 24" W
S3-7	20+55	21.0' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	704.86	700.94 18" E
S3-8	20+66	21.0' LT	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	704.86	700.40 24" S 701.61 18" NE 700.90 18" W
S3-9	20+82	26.2' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	705.08	701.67 18" SW 702.00 EX 12" N
S3-10	20+93	23.7' RT	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	704.89	702.60 12" E
S3-11	21+33	22.0' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	705.14	702.19 15" NE 702.40 12" W
S3-12	21+44	5.8' RT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	705.54	698.58 36" E 702.00 15" SW 698.58 36" W
S3-13	24+98	7.1' RT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	708.76	703.00 24" W 704.19 15" S 704.30 24" E
S3-14	24+98	21.0' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	708.49	704.49 15" N 704.80 12" E
S3-15	24+98	21.0' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	708.49	704.55 15" S 704.80 12" E

PIPE NO.	FROM	TO	PIPE TYPE	LENGTH FT	SLOPE %	TRENCH BACKFILL CU YD
P3-1	S3-3	S3-2	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 18"	50	0.32%	14.0
P3-2	S3-2	S3-1	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 18"	33	0.58%	9.3
P3-3	S3-1	S3-4	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 24"	24	0.29%	10.1
P3-4	S3-4	S3-5	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 24"	11	0.45%	4.7
P3-5	S3-5	S3-6	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 24"	16	0.31%	7.6
P3-6	S3-7	S3-8	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 18"	11	0.36%	3.9
P3-7	S3-8	S3-6	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 24"	26	0.35%	12.2
P3-8	S3-9	S3-8	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 18"	17	0.35%	2.5
P3-9	S3-6	S3-12	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 36"	78	0.10%	87.8
P3-10	S3-10	S3-11	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	35	0.57%	6.5
P3-11	S3-11	S3-12	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	25	0.76%	6.4
P3-12	S3-12	O-West	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 36"	219	0.11%	363.1
P3-13	S3-13	O-East	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 24"	111	1.44%	88.3
P3-14	S3-14	S3-13	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 15"	14	2.14%	5.4
P3-15	S3-15	S3-13	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 15"	28	1.28%	10.7

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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	DATE - 11-03-21	FILE - 130899_SS2_SHT-DU3.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY
- PENFIELD STREET

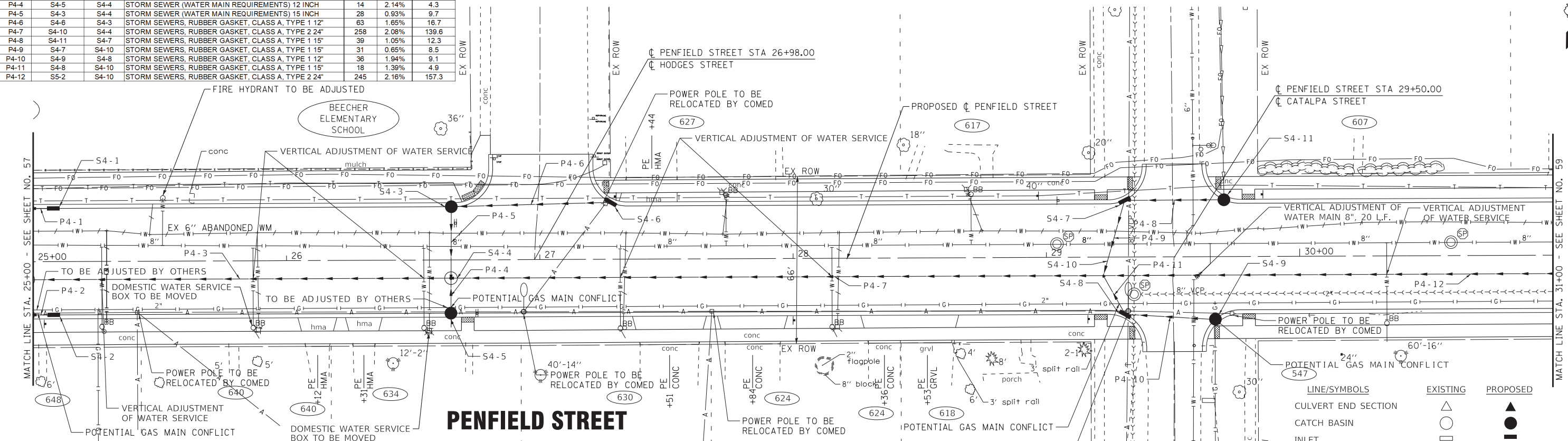
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CONTRACT NO. 61H26			ILLINOIS FED. AID PROJECT NIW7(436)	

SCALE: H1"=20'; V1"=5' SHEET 3 OF 6 SHEETS STA. 19+50 TO STA. 25+00

PIPE NO.	FROM	TO	PIPE TYPE	LENGTH FT	SLOPE %	TRENCH BACKFILL CU YD
P4-1	S4-1	S3-15	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	10	2.00%	3.0
P4-2	S4-2	S3-14	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	10	2.00%	3.0
P4-3	S4-4	S3-13	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 1/4"	167	1.43%	90.8
P4-4	S4-5	S4-4	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	14	2.14%	4.3
P4-5	S4-3	S4-4	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	28	0.93%	9.7
P4-6	S4-6	S4-3	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	63	1.65%	16.7
P4-7	S4-10	S4-4	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 1/4"	258	2.08%	139.6
P4-8	S4-11	S4-7	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	39	1.05%	12.3
P4-9	S4-7	S4-10	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	31	0.65%	8.5
P4-10	S4-9	S4-8	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	36	1.94%	9.1
P4-11	S4-8	S4-10	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 1/2"	18	1.39%	4.9
P4-12	S5-2	S4-10	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 1/4"	245	2.16%	157.3

HODGES STREET

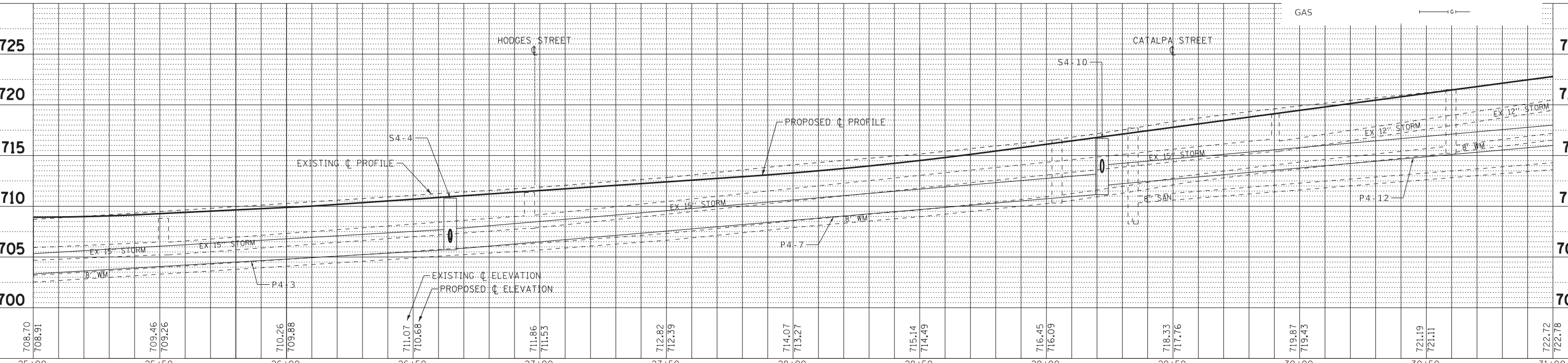
CATALPA STREET



PENFIELD STREET

CATALPA STREET

STRUCTURE NO.	STA.	OFFSET FT	STRUCTURE TYPE	RIM/EOP	INVERTS
S4-1	25+08	21.0' LT	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	708.50	705.00 12" W
S4-2	25+08	21.0' RT	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	708.50	705.00 12" W
S4-3	26+65	21.0' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	710.52	706.70 15" S
S4-4	26+65	7.2' RT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	710.79	705.69 24" W
S4-5	26+65	21.0' RT	CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE	710.51	706.22 12" N
S4-6	27+28	22.4' LT	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	712.06	708.55 12" W
S4-7	29+31	22.3' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	716.86	713.55 15" SW
S4-8	29+31	22.6' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	716.85	713.60 15" NW
S4-9	29+67	24.7' RT	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	718.16	714.70 12" W
S4-10	29+22	7.3' RT	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	716.68	711.15 24" W
S4-11	29+70	22.4' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	718.20	714.06 15" W

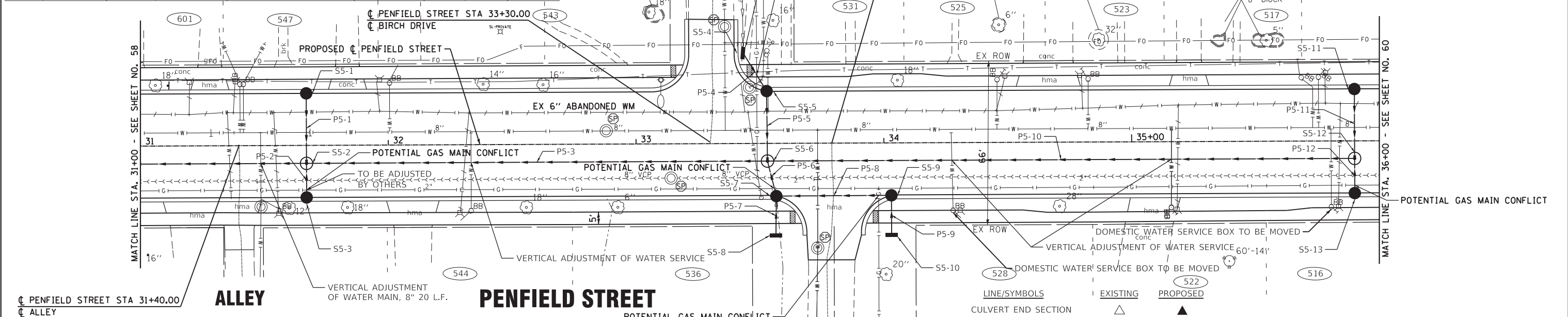


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SCALE: H1"=20', V1"=5' SHEET 4 OF 6 SHEETS STA. 25+00 TO STA. 31+00

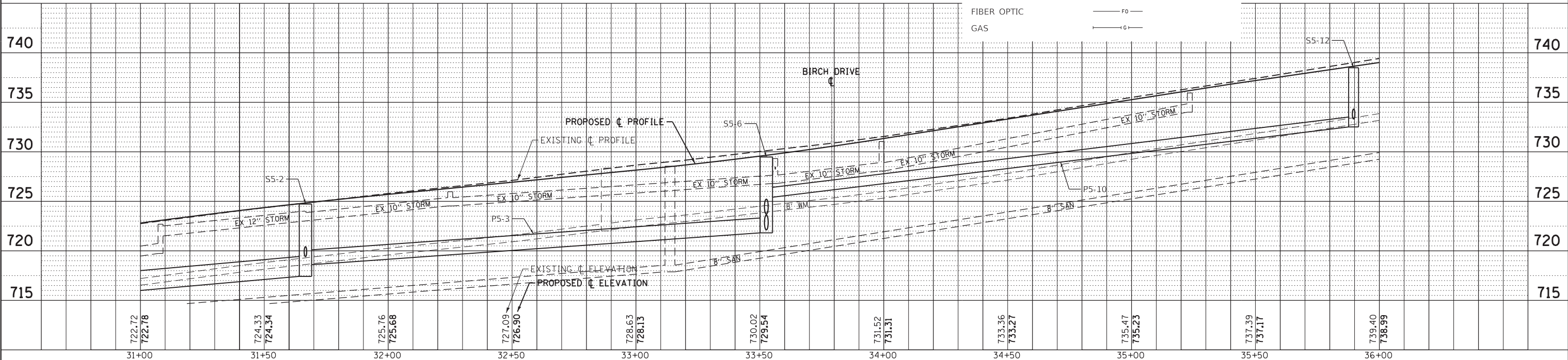
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PIPE NO.	FROM	TO	PIPE TYPE	LENGTH FT	SLOPE %	TRENCH BACKFILL CU YD
P5-1	S5-1	S5-2	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	28	2.14%	12.2
P5-2	S5-3	S5-2	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	14	0.53%	6.5
P5-3	S5-6	S5-2	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"	186	1.72%	134.5
P5-4	S5-4	S5-5	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	18	0.56%	9.5
P5-5	S5-5	S5-6	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"	28	1.79%	20.8
P5-6	S5-7	S5-6	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"	15	1.53%	8.4
P5-7	S5-8	S5-7	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	16	1.87%	3.7
P5-8	S5-9	S5-7	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 15"	46	2.72%	17.6
P5-9	S5-10	S5-9	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	16	2.50%	3.7
P5-10	S5-12	S5-6	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	237	3.00%	106.3
P5-11	S5-11	S5-12	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	28	2.50%	10.9
P5-12	S5-13	S5-12	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	14	2.14%	5.7



STRUCTURE NO.	STA.	OFFSET FT	STRUCTURE TYPE	RIM/EOP	INVERTS
S5-1	31+67	21.0' LT	CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE	72443	720.00 12" S
S5-2	21+67	7.2' RT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	72471	717.40 24" W
S5-3	31+67	21.0' RT	CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE	72443	719.48 12" N
S5-4	33+43	36.5' LT	INLETS, TYPE A, TYPE 8 GRATE	72925	723.20 12" SE
S5-5	33+53	21.1' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	72927	722.60 18" S
S5-6	33+53	7.0' RT	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	72946	721.80 18" W
S5-7	33+56	21.3' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	72927	723.93 18" NW
S5-8	33+56	37.2' RT	INLETS, TYPE A, TYPE 8 GRATE	72985	725.80 12" N
S5-9	34+03	21.2' RT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	73100	726.50 15" W
S5-10	34+03	37.2' RT	INLETS, TYPE A, TYPE 8 GRATE	73125	727.40 12" N
S5-11	35+90	21.0' LT	CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE	73820	734.00 12" S
S5-12	35+90	7.0' RT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	73848	732.50 12" W
S5-13	35+90	21.0' RT	CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE	73820	733.30 12" S

LINE/SYMBOLS	EXISTING	PROPOSED
CULVERT END SECTION	△	▲
CATCH BASIN	○	●
INLET	□	■
MANHOLE	⊙	⊛
STORM SEWER	—▲—	—▲—
SANITARY SEWER	—>>>>—	—>>>>—
WATER MAIN	— —	— —
WATER MAIN (ABANDONED)	— —	— —
AERIAL	—A—	—A—
TELEPHONE	—T—	—T—
FIBER OPTIC	—FO—	—FO—
GAS	—G—	—G—



BAXTER WOODMAN	USER NAME = ccode	DESIGNED - CAC	REVISED -
	PLOT SCALE = 20.0000" / in.	DRAWN - KAR	REVISED -
	PLOT DATE = 11/4/2021	CHECKED - TMS	REVISED -
		DATE - 11-03-21	FILE - 130899_SS2_SHT-DU5.dgn

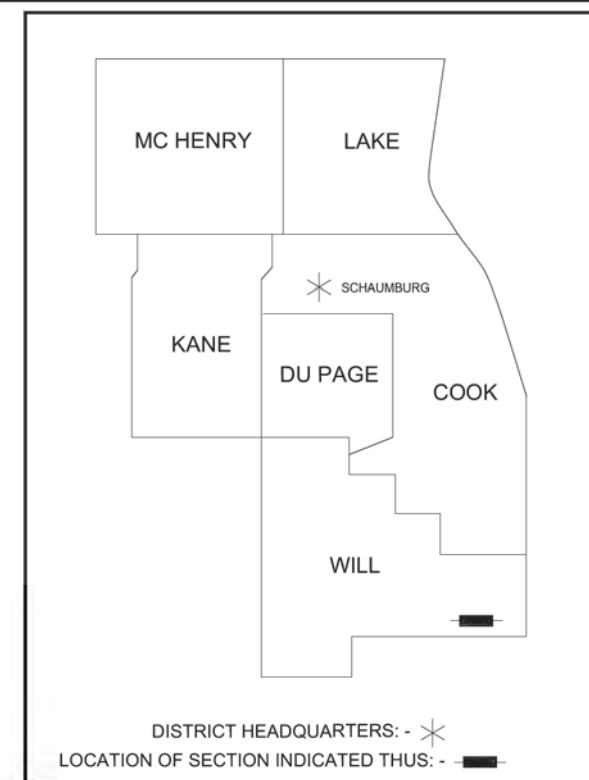
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			
DRAINAGE AND UTILITY - PENFIELD STREET		F.A. RTE. 423	SECTION 15-00020-00-FP
SCALE: H=1"=20' W=1"=5'		SHEET 5 OF 6 SHEETS	STA. 31+00 TO STA. 36+00
		COUNTY WILL	TOTAL SHEETS 117
		CONTRACT NO. 61H26	
ILLINOIS FED. AID PROJECT NIW7(436)			

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. 184-001121 - EXPIRES 4/30/2022
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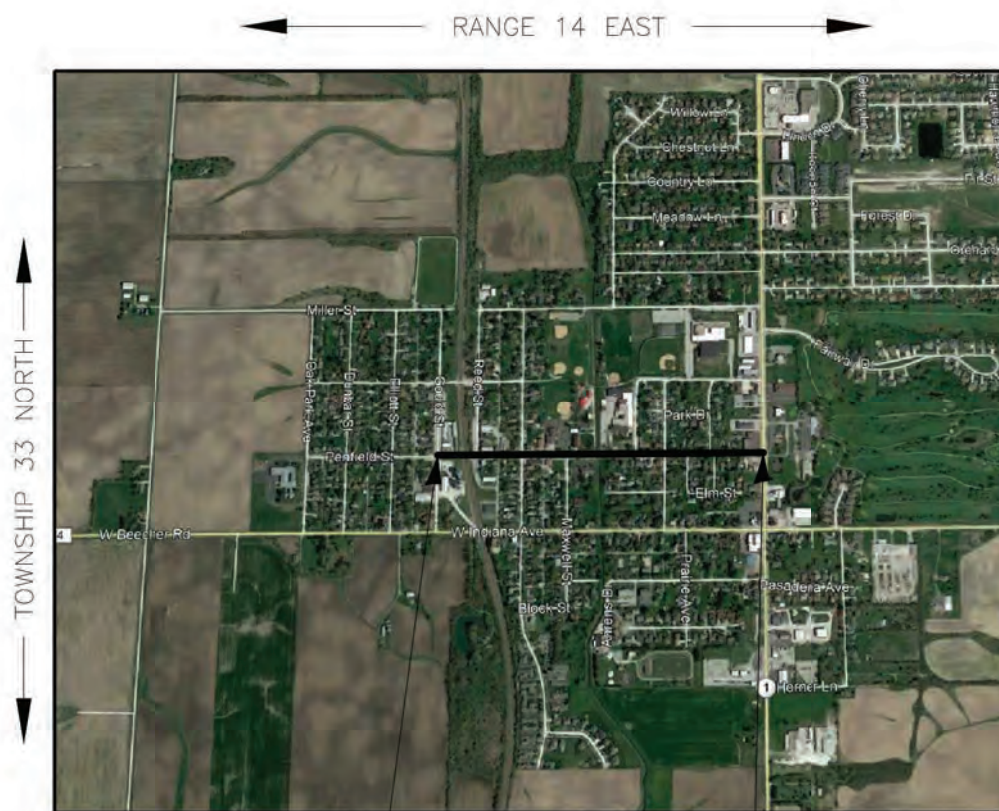
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLAT OF HIGHWAYS

ROUTE: FAU 423 / PENFIELD STREET
SECTION: 15-00020-00-FP
COUNTY: Will
LIMITS: FAU 523 (Gould Street) to
FAP 332 (IL Route 1-Dixie Hwy.)
JOB NO.: R-

PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
0001	Susan L. Karstensen	4	
0002	The Beecher Fire Protection District, a municipal corporation	5	
0003	Board of Managers of Community Building in and for Washington Township	5,6,7	
0004	The Board of Library Trustees of the Beecher Public Library District	5,6,7	
0005	The Village of Beecher, a municipal corporation	6,7	
0006	The Board of Education of Beecher School District No. 200U	6,7	
0007	Joseph D. Jesse	6,7	



PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS



PENFIELD STREET
BEGIN IMPROVEMENTS
STA 9+00

LOCATION MAP

PENFIELD STREET
END IMPROVEMENTS
STA 38+60

Gross & Net Length = 2,960 Lin. Ft. = 0.561 Miles (Penfield Street)

IDOT USE ONLY

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2021
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Plotted: 5/19/2020 @ 3:41 PM By: 554AEB
State of Illinois - Professional Design Firm
License No. - 184-001121 - Expires 4-30-22



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PLOT DATE = 11/4/2021	DATE - 11-03-21	FILE - 130899_SHT-Plat.dgn

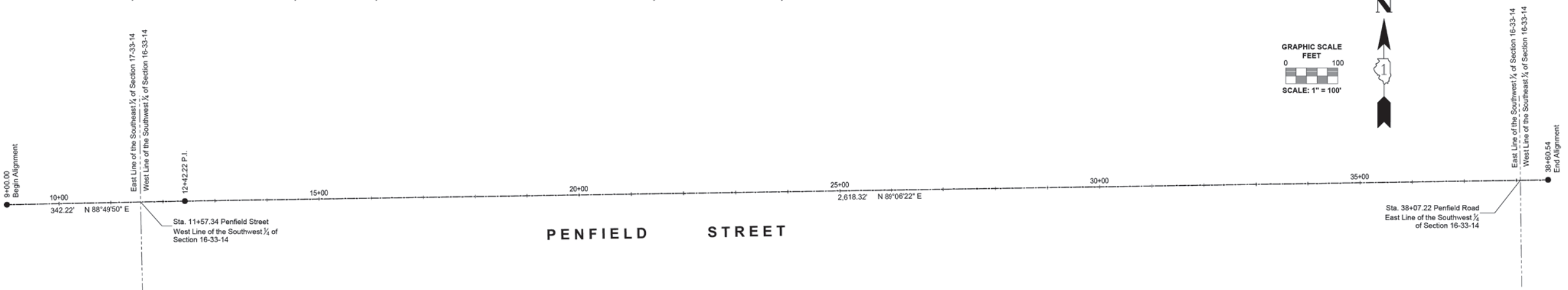
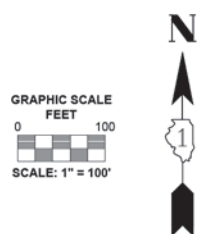
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: NONE SHEET 1 OF 11 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	61
CONTRACT NO. 61H26				
ILLINOIS FED. AID PROJECT NIW7(436)				

PART OF SECTION 16 & 17, TOWNSHIP 33 NORTH, RANGE 14, EAST OF THIRD PRINCIPAL MERIDIAN, IN WILL COUNTY, ILLINOIS



PROJECT COORDINATES
Illinois State Plane, Ease Zone, NAD 83 (2011)

Centerline Alignment
(Penfield Street)

Station / Description	Northing	Eastng
9+00.00 Begin Alignment	1,703,775.95	1,176,845.83
12+42.22 P.I.	1,703,782.94	1,177,167.97
38+60.54 End Alignment	1,703,823.78	1,179,805.98

Sheet 4

Station / Description	Northing	Eastng
15+65.19 39.50' Rt.	1,703,748.48	1,177,511.53
15+65.26 54.22' Rt.	1,703,733.76	1,177,511.83
15+95.26 54.09' Rt.	1,703,734.36	1,177,541.82
15+95.19 39.50' Rt.	1,703,748.95	1,177,541.53

Sheet 5

Station / Description	Northing	Eastng
19+22.33 35.48' Lt.	1,703,809.02	1,177,867.46
19+22.48 60.03' Lt.	1,703,853.57	1,177,867.22
19+35.40 35.48' Lt.	1,703,829.22	1,177,880.52
19+35.42 59.99' Lt.	1,703,853.73	1,177,880.16
20+59.84 35.47' Lt.	1,703,831.15	1,178,004.95
20+59.76 51.01' Lt.	1,703,846.69	1,178,004.63
20+72.34 35.47' Lt.	1,703,831.35	1,178,017.44
20+72.43 50.95' Lt.	1,703,846.83	1,178,017.29
21+09.83 32.21' Lt.	1,703,830.23	1,178,054.95
21+09.93 50.78' Lt.	1,703,847.25	1,178,054.79
21+29.85 32.85' Lt.	1,703,829.63	1,178,074.99
21+29.77 50.69' Lt.	1,703,847.47	1,178,074.63
22+10.21 32.09' Lt.	1,703,830.13	1,178,155.35
22+10.31 45.51' Lt.	1,703,843.54	1,178,155.24
22+09.70 33.91' Rt.	1,703,764.13	1,178,155.87
22+09.63 44.11' Rt.	1,703,753.92	1,178,155.95

Sheet 6

Station / Description	Northing	Eastng
22+10.21 32.09' Lt.	1,703,830.13	1,178,155.35
22+10.31 45.51' Lt.	1,703,843.54	1,178,155.24
23+26.05 32.17' Lt.	1,703,832.01	1,178,271.18
23+25.94 45.23' Lt.	1,703,845.06	1,178,270.86
23+35.31 45.20' Lt.	1,703,845.19	1,178,280.23
23+35.46 45.23' Lt.	1,703,845.06	1,178,270.86
23+62.41 32.19' Lt.	1,703,832.59	1,178,307.53
23+99.91 32.21' Lt.	1,703,833.20	1,178,345.03
24+75.22 32.26' Lt.	1,703,834.42	1,178,420.32
22+09.70 33.91' Rt.	1,703,764.13	1,178,155.87
22+09.63 44.11' Rt.	1,703,753.92	1,178,155.95
23+19.63 44.38' Rt.	1,703,755.37	1,178,265.95
23+19.44 69.38' Rt.	1,703,730.37	1,178,266.15
23+49.71 33.82' Rt.	1,703,766.40	1,178,295.86
23+49.71 47.78' Rt.	1,703,752.44	1,178,295.97
23+99.91 32.21' Lt.	1,703,833.20	1,178,345.03
23+65.46 33.81' Rt.	1,703,766.65	1,178,311.61
23+99.94 55.76' Lt.	1,703,856.75	1,178,344.68
23+92.46 33.79' Rt.	1,703,767.09	1,178,338.60
24+04.71 33.79' Rt.	1,703,767.29	1,178,350.85
24+45.40 56.88' Lt.	1,703,857.79	1,178,340.13
24+45.28 40.93' Lt.	1,703,842.63	1,178,390.26
24+04.71 33.79' Rt.	1,703,767.29	1,178,350.85
24+67.46 33.75' Rt.	1,703,768.31	1,178,413.59
24+75.22 32.26' Lt.	1,703,834.42	1,178,420.32
24+75.28 41.01' Lt.	1,703,843.18	1,178,420.25

Sheet 7

Station / Description	Northing	Eastng
23+26.05 32.17' Lt.	1,703,832.01	1,178,271.18
23+25.94 45.23' Lt.	1,703,845.06	1,178,270.86
23+35.31 45.20' Lt.	1,703,845.19	1,178,280.23
23+35.46 45.23' Lt.	1,703,845.06	1,178,270.86
23+55.40 57.18' Lt.	1,703,857.47	1,178,300.13
23+55.46 65.35' Lt.	1,703,865.65	1,178,300.07
23+62.41 32.19' Lt.	1,703,832.59	1,178,307.53
23+62.44 57.13' Lt.	1,703,857.53	1,178,307.17
23+95.21 32.21' Lt.	1,703,833.13	1,178,340.33
23+96.39 55.74' Lt.	1,703,856.66	1,178,340.14
23+95.40 56.88' Lt.	1,703,857.79	1,178,340.13
23+99.91 32.21' Lt.	1,703,833.20	1,178,345.03
23+65.46 33.81' Rt.	1,703,766.65	1,178,311.61
24+45.28 40.93' Lt.	1,703,842.63	1,178,390.26
24+04.71 33.79' Rt.	1,703,767.29	1,178,350.85
24+45.40 56.88' Lt.	1,703,857.79	1,178,340.13
24+45.28 40.93' Lt.	1,703,842.63	1,178,390.26
24+04.71 33.79' Rt.	1,703,767.29	1,178,350.85
24+67.46 33.75' Rt.	1,703,768.31	1,178,413.59
24+75.22 32.26' Lt.	1,703,834.42	1,178,420.32
24+75.28 41.01' Lt.	1,703,843.18	1,178,420.25

Sheet 7

Station / Description	Northing	Eastng
23+19.63 44.38' Rt.	1,703,755.37	1,178,265.95
23+19.44 69.38' Rt.	1,703,730.37	1,178,266.15
23+49.71 33.82' Rt.	1,703,766.40	1,178,295.86
23+49.71 47.78' Rt.	1,703,752.44	1,178,295.97
23+65.46 33.81' Rt.	1,703,766.65	1,178,311.61
23+65.33 47.90' Rt.	1,703,752.56	1,178,311.70
23+65.14 69.49' Rt.	1,703,730.98	1,178,311.85
23+92.46 33.79' Rt.	1,703,767.09	1,178,338.60
23+92.33 48.10' Rt.	1,703,752.78	1,178,338.70
24+04.71 33.79' Rt.	1,703,767.29	1,178,350.85
24+04.63 44.18' Rt.	1,703,756.89	1,178,350.94
24+04.60 48.20' Rt.	1,703,752.88	1,178,350.97
24+24.67 39.13' Rt.	1,703,762.26	1,178,370.90
24+24.63 44.13' Rt.	1,703,757.26	1,178,370.94
24+67.46 33.75' Rt.	1,703,768.31	1,178,413.59
24+67.45 39.01' Rt.	1,703,763.04	1,178,413.67

STATE OF ILLINOIS)
COUNTY OF MCHENRY)

THIS IS TO CERTIFY THAT I, ANTHONY E. BIANCHIN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 16 & 17, TOWNSHIP 33 NORTH, RANGE 14, EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR LAKE COUNTY DIVISION OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CRYSTAL LAKE, ILLINOIS THIS 7th DAY OF JANUARY, 2021 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003603
LICENSE EXPIRATION DATE: NOVEMBER 30, 2022

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



BAXTER & WOODMAN
Consulting Engineers
8678 RIDGEFIELD ROAD • CRYSTAL LAKE, IL 60012
PHONE: 815-459-1260 • FAX: 815-455-0450

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
FAU 423 / PENFIELD STREET

LIMITS : GOULD STREET TO IL RTE. 1/DIXIE HWY.
SECTION : 15-00020-00-FP
COUNTY : WILL
JOB NO. : R-

STA. N/A TO STA. N/A
SCALE : 1" = 100'
SHEET 2 OF 11 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

IDOT USE ONLY

REVISION DATE : - REVISION MADE BY : -

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2022
11/4/2021

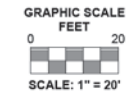


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PLOT DATE = 11/4/2021	CHECKED - TMS	REVISED -
	DATE - 11-03-21	FILE - 130899_SHT-Plat.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

PART OF SECTIONS 16 & 17, TOWNSHIP 33 NORTH, RANGE 14, EAST OF THIRD PRINCIPAL MERIDIAN, IN WILL COUNTY, ILLINOIS



LEGEND



- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- AC EXISTING ACCESS CONTROL LINE
- AC PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORDED DIMENSION
- EXISTING BUILDING

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYOR'S REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

- Notes:
- Bearings and distances are referenced to Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment)
 - Coordinates are based on Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment)
 - All dimensions are measured unless otherwise noted.
 - All measured and calculated distances are grid. To obtain ground distances, divide grid distances by the combination factor of 0.999975.



STATE OF ILLINOIS)
 COUNTY OF MCHENRY)

THIS IS TO CERTIFY THAT I, ANTHONY E. BIANCHIN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 16 & 17, TOWNSHIP 33 NORTH, RANGE 14, EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR LAKE COUNTY DIVISION OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CRYSTAL LAKE, ILLINOIS THIS 7th DAY OF JANUARY, 2021 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003603
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2022

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



BAXTER & WOODMAN
 Consulting Engineers
 8678 RIDGEFIELD ROAD • CRYSTAL LAKE, IL 60012
 PHONE: 815-459-1260 • FAX: 815-455-0450

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 FAU 423 / PENFIELD STREET

LIMITS: GOULD STREET to IL RTE. 1/DIXIE HWY. COUNTY: WILL
 SECTION: 15-00020-00-FP JOB NO.: R-
 STA. 9+00 TO STA. 13+75 SHEET 3 OF 11 SHEETS
 SCALE: 1" = 20'

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 184-001121 - EXPIRES 4/30/YEAR
 11/4/2021

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 State of Illinois - Professional Design Firm
 License No. - 184-001121 - Expires 4-30-22



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PLOT DATE = 11/4/2021	CHECKED - TMS	REVISED -
	DATE - 11-03-21	FILE - 130899_SHT-Plat.dgn

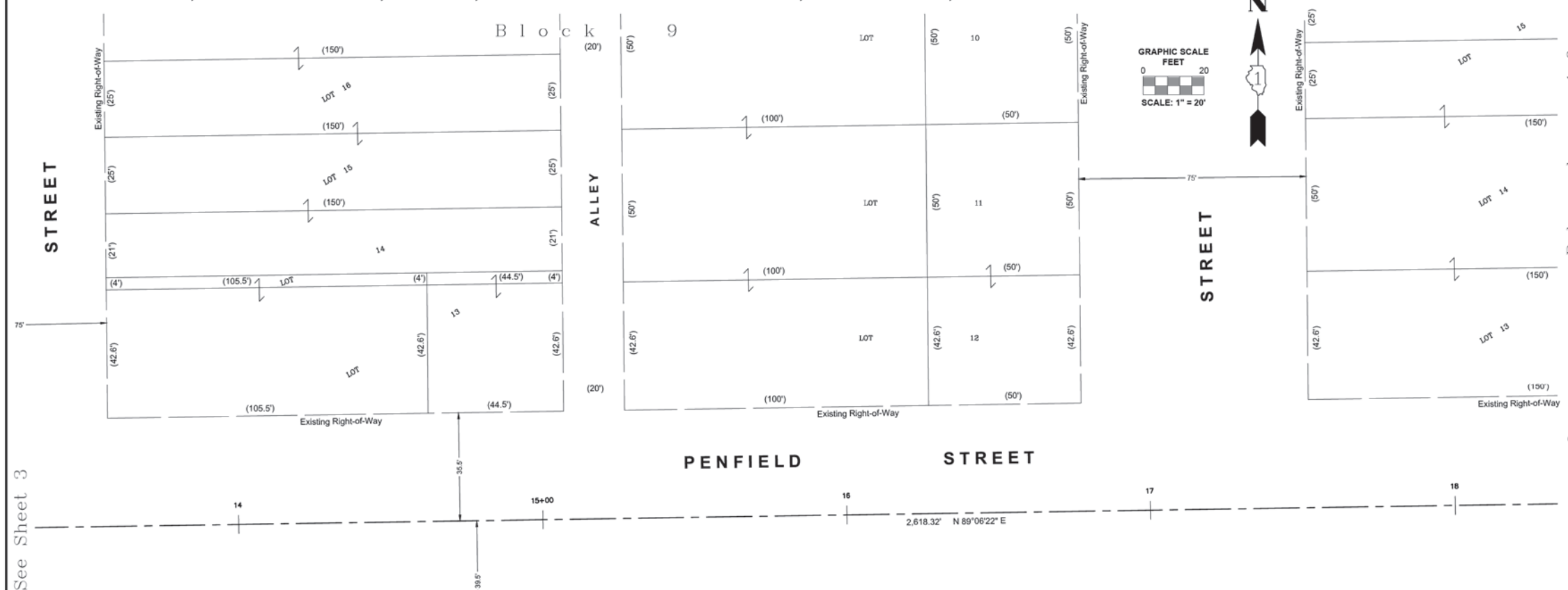
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: NONE	SHEET 3 OF 11 SHEETS	STA. TO STA.
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PLAT OF HIGHWAYS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	63
CONTRACT NO. 61H26				
ILLINOIS FED. AID PROJECT NIW(436)				

PART OF SECTION 16, TOWNSHIP 33 NORTH, RANGE 14, EAST OF THIRD PRINCIPAL MERIDIAN, IN WILL COUNTY, ILLINOIS



LEGEND

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPEARANT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

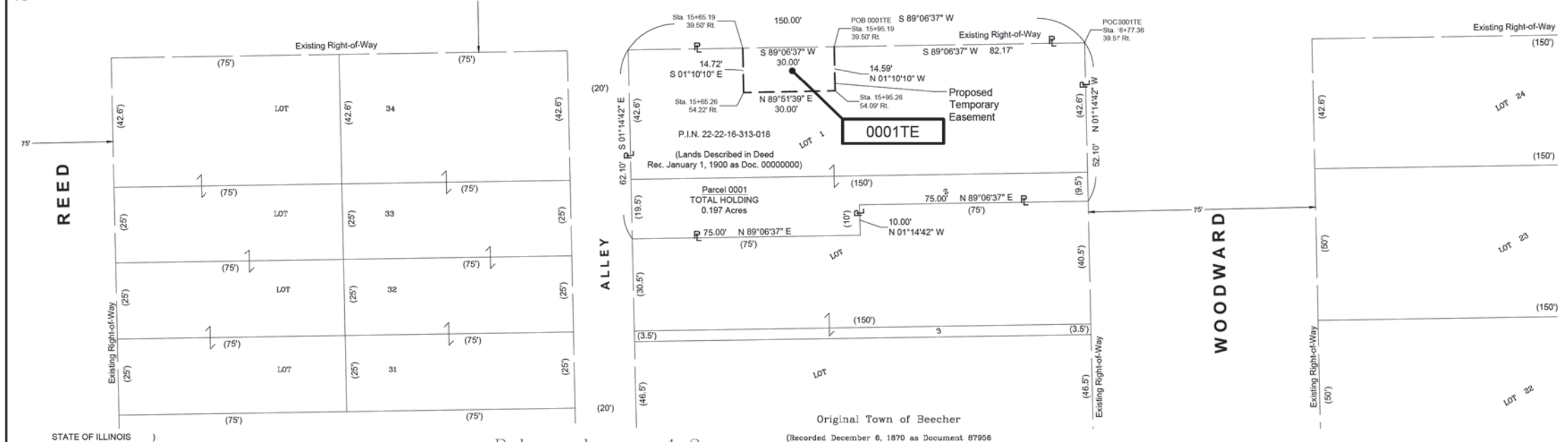
○ IRON PIPE OR ROD FOUND ⊙ "MAG" NAIL SET
 + CUT CROSS FOUND OR SET ● 5/8" REBAR SET

■ STAKING OF PROPOSED RIGHT OF WAY.
 SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN.
 IDENTIFIED BY INSCRIPTION DATA AND SURVEYOR'S REGISTRATION NUMBER.

■ STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.
 BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY
 MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S
 REGISTRATION NUMBER.

⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
 □ RIGHT OF WAY STAKING PROPOSED TO BE SET

- Notes:**
- Bearings and distances are referenced to Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment)
 - Coordinates are based on Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment)
 - All dimensions are measured unless otherwise noted.
 - All measured and calculated distances are grid. To obtain ground distances, divide grid distances by the combination factor of 0.999975.



PARCEL NUMBER	TOTAL HOLDING ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
0001TE	0.197	N/A	N/A	0.197	0.010	440	22-22-16-313-018

STATE OF ILLINOIS)
 COUNTY OF MCHENRY)

THIS IS TO CERTIFY THAT I, ANTHONY E. BIANCHIN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 16 & 17, TOWNSHIP 33 NORTH, RANGE 14, EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR LAKE COUNTY DIVISION OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CRYSTAL LAKE, ILLINOIS THIS 7th DAY OF JANUARY, 2021 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003603
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2022

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

ANTHONY E. BIANCHIN
 035-003603
 PROFESSIONAL LAND SURVEYOR
 STATE OF ILLINOIS
 CRYSTAL LAKE, ILLINOIS

"LICENSE EXPIRES 11-30-2022"

BAXTER & WOODMAN
 Consulting Engineers
 8678 RIDGEFIELD ROAD • CRYSTAL LAKE, IL 60012
 PHONE: 815-459-1260 • FAX: 815-455-0450

PLAT OF HIGHWAYS

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

FAU 423 / PENFIELD STREET

LIMITS: GOULD STREET to IL RTE. 1/DIXIE HWY. COUNTY: WILL
 SECTION: 15-00020-00-FP JOB NO.: R-
 STA. 13+50 TO STA. 18+25 SHEET 4 OF 11 SHEETS
 SCALE: 1" = 20'

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2022
 11/4/2021

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 \\corp.baxwood.com\Projects\Azure\BEECH\130899-Penfield Street\CADD\Phase II Sheets\130899_SHT-Plat.dgn

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 Plotted: 5/19/2020 @ 3:41 PM By: 554ALEB
 State of Illinois - Professional Design Firm
 License No. - 184-001121 - Expires 4-30-22

PART OF SECTION 16, TOWNSHIP 33 NORTH, RANGE 14, EAST OF THIRD PRINCIPAL MERIDIAN, IN WILL COUNTY, ILLINOIS

PARCEL NUMBER	TOTAL HOLDING ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
0002TE-A 0002TE-B	1.260	N/A	N/A	1.260	0.007 0.018	319 805	22-22-16 -308-013
0003PE 0003TE-A 0003TE-B	0.955	N/A	N/A	0.955	0.022 0.008 0.035	960 347 1,532	22-22-16 -309-014
0004PE 0004TE	0.988	N/A	N/A	0.988	0.005 0.058	221 2,548	22-22-16 -315-019

STATE OF ILLINOIS)
COUNTY OF MCHENRY)

THIS IS TO CERTIFY THAT I, ANTHONY E. BIANCHINI, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 16 & 17, TOWNSHIP 33 NORTH, RANGE 14, EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR LAKE COUNTY DIVISION OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CRYSTAL LAKE, ILLINOIS THIS 7th DAY OF JANUARY, 2021 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003803
LICENSE EXPIRATION DATE: NOVEMBER 30, 2022

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

P.I.N. 22-22-16-309-014
(Lands Described in Deed
Rec. January 1, 1900 as Doc. 000000000)

Parcel 0003
TOTAL HOLDING
0.955 Acres

"LICENSE EXPIRES 11-30-2022"

School Trustee's Subdivision
of Section 16, Township 33 North, Range 14 East

See Sheet 7
0003TE-B



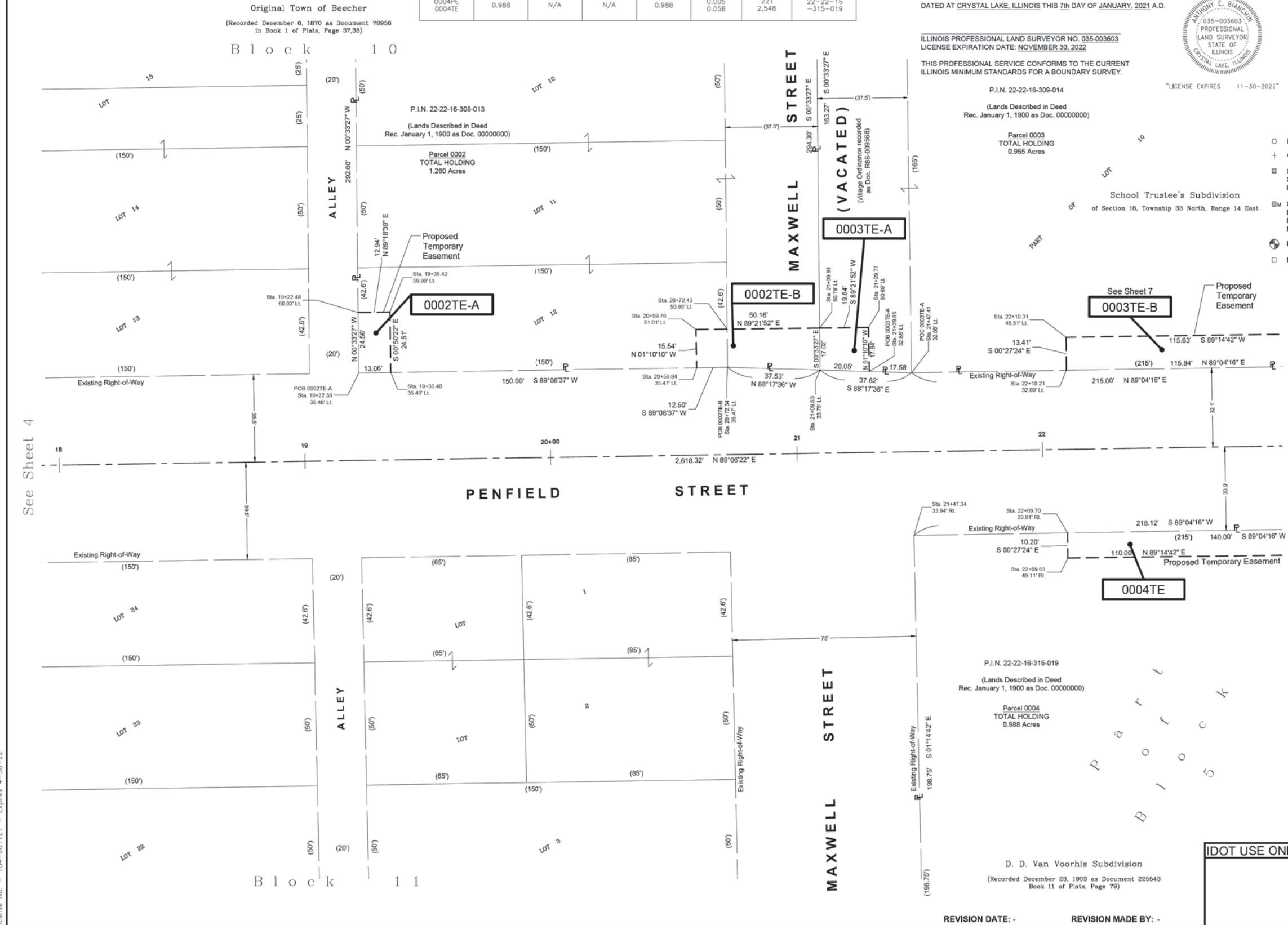
LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYOR'S REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET
- "MAG" NAIL SET
- 5/8" REBAR SET

- Notes:
- Bearings and distances are referenced to Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment)
 - Coordinates are based on Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment)
 - All dimensions are measured unless otherwise noted.
 - All measured and calculated distances are grid. To obtain ground distances, divide grid distances by the combination factor of 0.999975.

GRAPHIC SCALE
FEET
0 20
SCALE: 1" = 20'



P.I.N. 22-22-16-315-019
(Lands Described in Deed
Rec. January 1, 1900 as Doc. 000000000)

Parcel 0004
TOTAL HOLDING
0.988 Acres

D. D. Van Voorhis Subdivision
(Recorded December 23, 1903 as Document 225543
Book 11 of Plats, Page 79)

REVISION DATE: - REVISION MADE BY: -

BAXTER & WOODMAN
Consulting Engineers
8678 RIDGEFIELD ROAD • CRYSTAL LAKE, IL 60012
PHONE: 815-459-1260 • FAX: 815-455-0450

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
FAU 423 / PENFIELD STREET

LIMITS: GOULD STREET TO IL RTE. 1/DIXIE HWY. COUNTY: WILL
SECTION: 15-00020-00-FP JOB NO.: R-
STA. 18+00 TO STA. 22+75
SCALE: 1" = 20' SHEET 5 OF 11 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

IDOT USE ONLY

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/YEAR
11/4/2021
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I:\AZURE\BEECH\130899-PENFIELD STREET\CADD\PLATS\130899 - PLATS.DWG Sheet 5
Plotted: 5/19/2020 @ 3:41 PM By: 554AEB
State of Illinois - Professional Design Firm
License No. - 184-001121 - Expires 4-30-22



USER NAME = ccode	DESIGNED - CAC	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - KAR	REVISED -
PLOT DATE = 11/4/2021	CHECKED - TMS	REVISED -
	DATE - 11-03-21	FILE - 130899_SHT-Plat.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: NONE SHEET 5 OF 11 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	65
				CONTRACT NO. 61H26
		ILLINOIS	FED. AID PROJECT NIW(7436)	

PART OF SECTION 16, TOWNSHIP 33 NORTH, RANGE 14, EAST OF THIRD PRINCIPAL MERIDIAN, IN WILL COUNTY, ILLINOIS

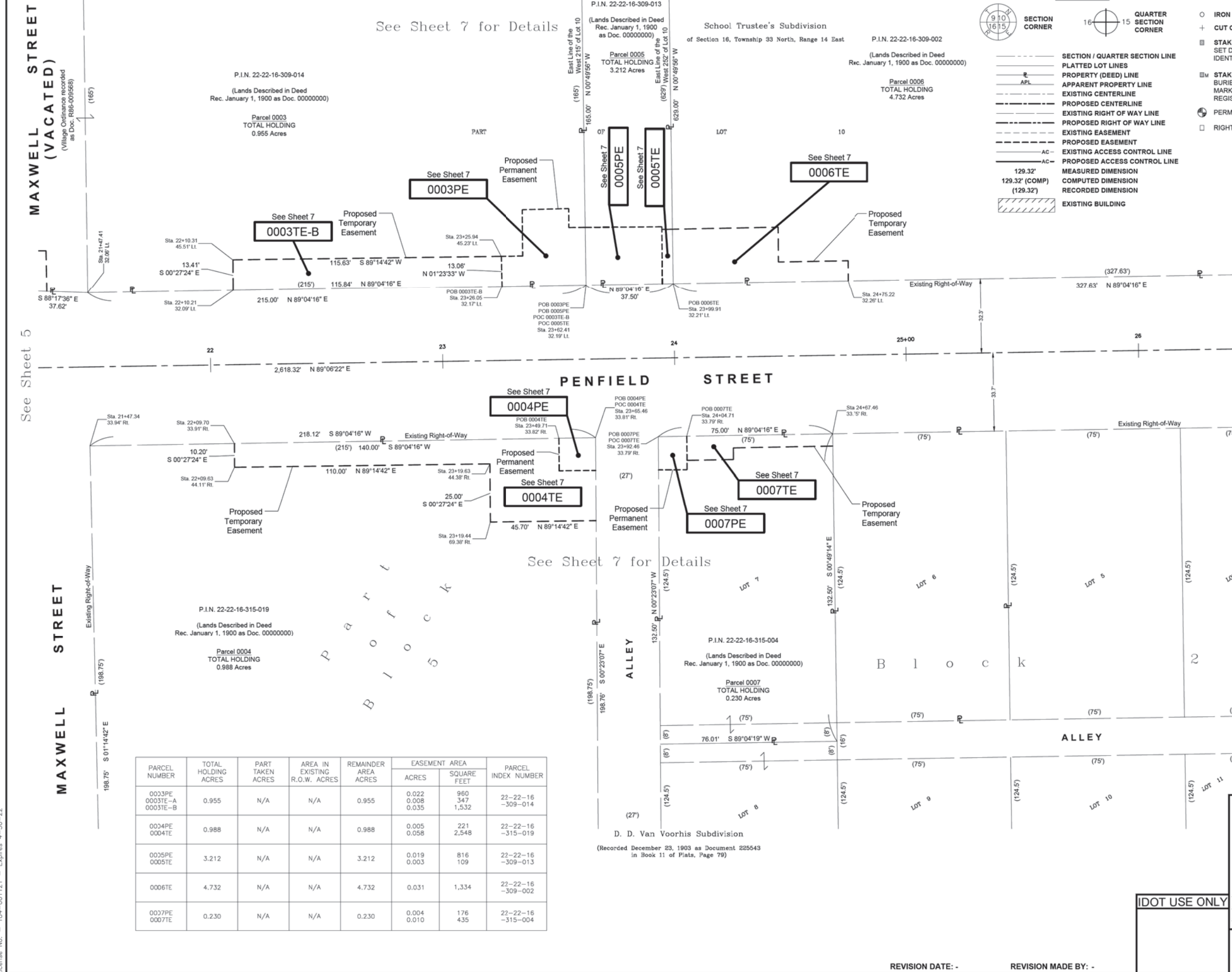
See Sheet 7 for Details

LEGEND



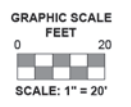
- SECTION CORNER
- QUARTER SECTION CORNER
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYOR'S REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET
- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPEARANT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

- Notes:
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See Sheet 8

See Sheet 5



STATE OF ILLINOIS)
 COUNTY OF MCHENRY)
 THIS IS TO CERTIFY THAT I, ANTHONY E. BIANCHIN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 16 & 17, TOWNSHIP 33 NORTH, RANGE 14, EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR LAKE COUNTY DIVISION OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CRYSTAL LAKE, ILLINOIS THIS 7th DAY OF JANUARY, 2021 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003603
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2022
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



"LICENSE EXPIRES 11-30-2022"

BAXTER & WOODMAN
 Consulting Engineers
 8678 RIDGEFIELD ROAD • CRYSTAL LAKE, IL 60012
 PHONE: 815-459-1260 • FAX: 815-455-0450

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
FAU 423 / PENFIELD STREET
 LIMITS : GOULD STREET to IL RTE. 1/DIXIE HWY. COUNTY : WILL
 SECTION : 15-00020-00-FP JOB NO. : R-
 STA. 21+25 TO STA. 26+50
 SCALE : 1" = 20' SHEET 6 OF 11 SHEETS
BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

PARCEL NUMBER	TOTAL HOLDING ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
0003PE 0003TE-A 0003TE-B	0.955	N/A	N/A	0.955	0.022 0.008 0.035	960 347 1,532	22-22-16 -309-014
0004PE 0004TE	0.988	N/A	N/A	0.988	0.005 0.058	221 2,548	22-22-16 -315-019
0005PE 0005TE	3.212	N/A	N/A	3.212	0.019 0.003	816 109	22-22-16 -309-013
0006TE	4.732	N/A	N/A	4.732	0.031	1,334	22-22-16 -309-002
0007PE 0007TE	0.230	N/A	N/A	0.230	0.004 0.010	176 435	22-22-16 -315-004

D. D. Van Voorhis Subdivision
 (Recorded December 23, 1903 as Document 229543
 in Book 11 of Plats, Page 79)

REVISION DATE: - REVISION MADE BY: -

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 State of Illinois - Professional Design Firm
 License No. - 184-001121 - Expires 4-30-22
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 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 184-001121 - EXPIRES 4/30/YEAR 2022
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USER NAME = ccode	DESIGNED - CAC	REVISED -
	DRAWN - KAR	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - TMS	REVISED -
PLOT DATE = 11/4/2021	DATE - 11-03-21	FILE - 130899_SHT-Plat.dgn

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: NONE SHEET 6 OF 11 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	66
				CONTRACT NO. 61H26
ILLINOIS FED. AID PROJECT NIW7(436)				

PART OF SECTION 16, TOWNSHIP 33 NORTH, RANGE 14, EAST OF THIRD PRINCIPAL MERIDIAN, IN WILL COUNTY, ILLINOIS

PARCEL NUMBER	TOTAL HOLDING ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
0003PE 0003TE-A 0003TE-B	0.955	N/A	N/A	0.955	0.022 0.008 0.035	960 347 1,532	22-22-16 -309-014
0004PE 0004TE	0.988	N/A	N/A	0.988	0.005 0.058	221 2,548	22-22-16 -315-019
0005PE 0005TE	3.212	N/A	N/A	3.212	0.019 0.003	816 109	22-22-16 -309-013
0006TE	4.732	N/A	N/A	4.732	0.031	1,334	22-22-16 -309-002
0007PE 0007TE	0.230	N/A	N/A </td <td>0.230</td> <td>0.004 0.010</td> <td>176 435</td> <td>22-22-16 -315-004</td>	0.230	0.004 0.010	176 435	22-22-16 -315-004

LEGEND



SECTION CORNER

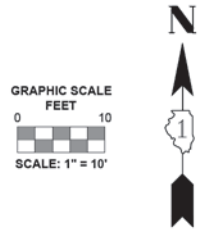
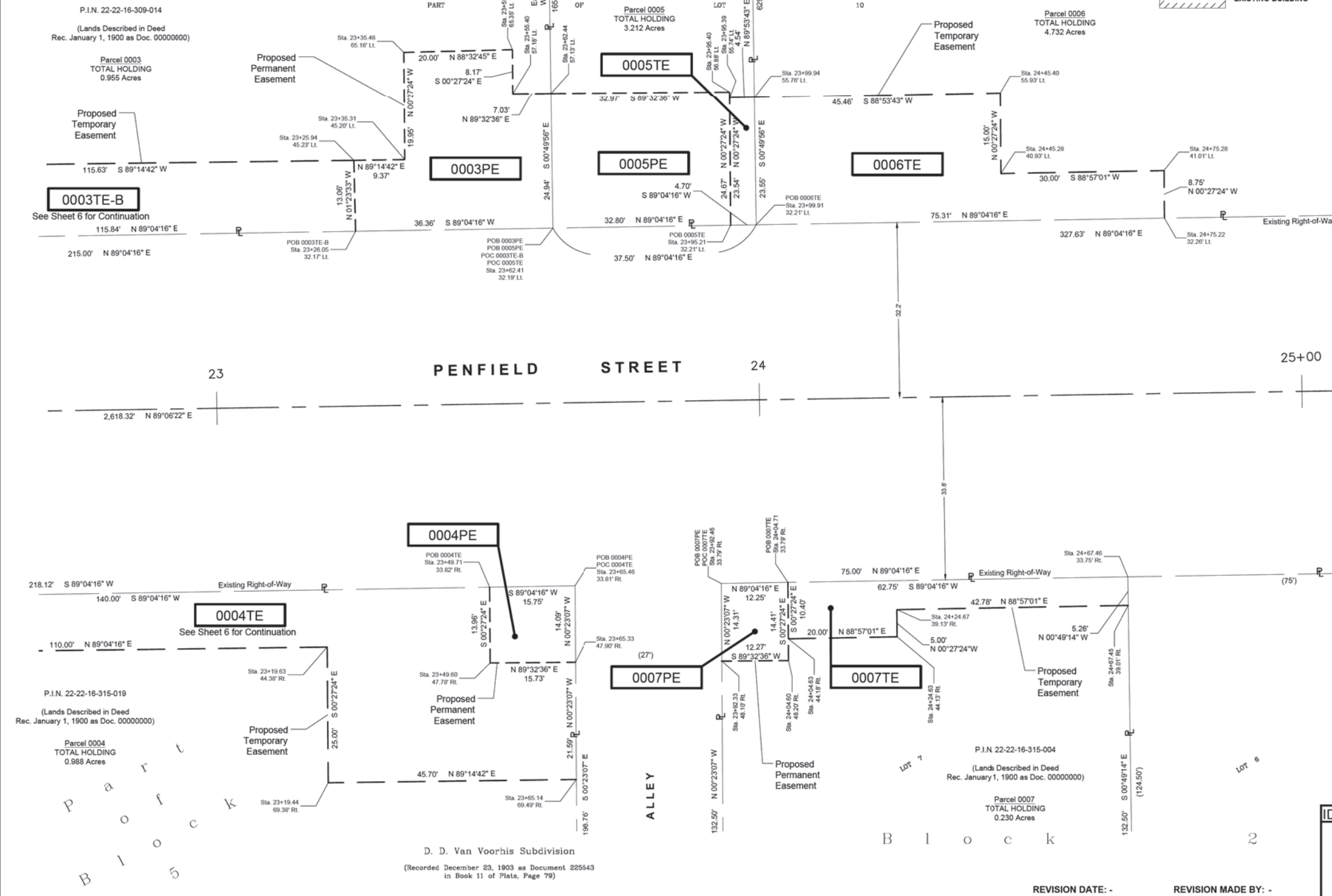
QUARTER SECTION CORNER

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

- IRON PIPE OR ROD FOUND
- ⊕ CUT CROSS FOUND OR SET
- ⊕ "MAG" NAIL SET
- 5/8" REBAR SET
- ⊕ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYOR'S REGISTRATION NUMBER.
- ⊕ STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

Notes:

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STATE OF ILLINOIS)
)SS
COUNTY OF MCHENRY)

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DATED AT CRYSTAL LAKE, ILLINOIS THIS 7th DAY OF JANUARY, 2021 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003603
LICENSE EXPIRATION DATE: NOVEMBER 30, 2022

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



"LICENSE EXPIRES 11-30-2022"

BAXTER & WOODMAN
Consulting Engineers
8678 RIDGEFIELD ROAD • CRYSTAL LAKE, IL 60012
PHONE: 815-459-1360 • FAX: 815-455-0450

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
FAU 423 / PENFIELD STREET

LIMITS : GOULD STREET to IL RTE. 1/DIXIE HWY. COUNTY : WILL
SECTION : 15-00020-00-FP JOB NO. : R-
STA. 22+75 TO STA. 25+00
SCALE : 1" = 10' SHEET 7 OF 11 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

IDOT USE ONLY

REVISION DATE: - REVISION MADE BY: -

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2022
11/4/2021



USER NAME = ccode	DESIGNED - CAC	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - KAR	REVISED -
PLOT DATE = 11/4/2021	CHECKED - TMS	REVISED -
	DATE - 11-03-21	FILE - 130899_SHT-Plat.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: NONE SHEET 7 OF 11 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	67
				CONTRACT NO. 61H26
ILLINOIS FED. AID PROJECT NIW(436)				

PART OF SECTION 16, TOWNSHIP 33 NORTH, RANGE 14, EAST OF THIRD PRINCIPAL MERIDIAN, IN WILL COUNTY, ILLINOIS

STATE OF ILLINOIS)
) SS
 COUNTY OF MCHENRY)

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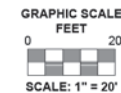
DATED AT CRYSTAL LAKE, ILLINOIS THIS 7th DAY OF JANUARY, 2021 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003603
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2022

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



"LICENSE EXPIRES 11-30-2022"



SECTION CORNER



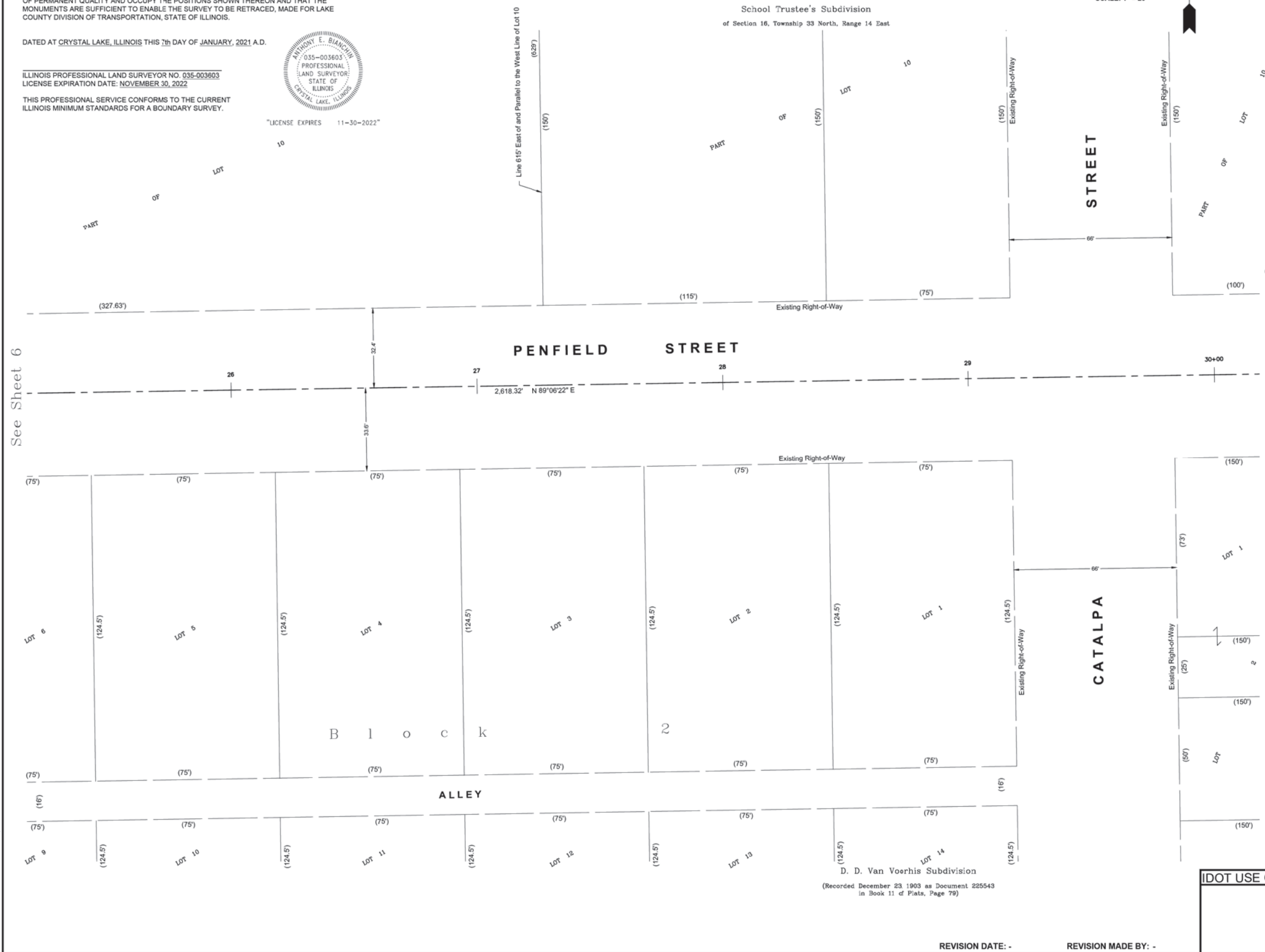
QUARTER SECTION CORNER

LEGEND

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- AC EXISTING ACCESS CONTROL LINE
- AC PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

- IRON PIPE OR ROD FOUND
- ⊕ CUT CROSS FOUND OR SET
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- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
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- 5/8" REBAR SET

- Notes:
- Bearings and distances are referenced to Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment)
 - Coordinates are based on Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment)
 - All dimensions are measured unless otherwise noted.
 - All measured and calculated distances are grid. To obtain ground distances, divide grid distances by the combination factor of 0.999975.



See Sheet 6

See Sheet 9

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2021
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 State of Illinois - Professional Design Firm
 License No. - 184-001121 - Expires 4-30-22

BAXTER & WOODMAN
 Consulting Engineers

8678 RIDGEFIELD ROAD • CRYSTAL LAKE, IL 60012
 PHONE: 815-459-1260 • FAX: 815-455-0450

PLAT OF HIGHWAYS

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

FAU 423 / PENFIELD STREET

LIMITS : GOULD STREET TO IL RTE. 1/DIXIE HWY. COUNTY : WILL
 SECTION : 15-00020-00-FP JOB NO. : R-
 STA. 25+25 TO STA. 30+00
 SCALE : 1" = 20' SHEET 8 OF 11 SHEETS

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196



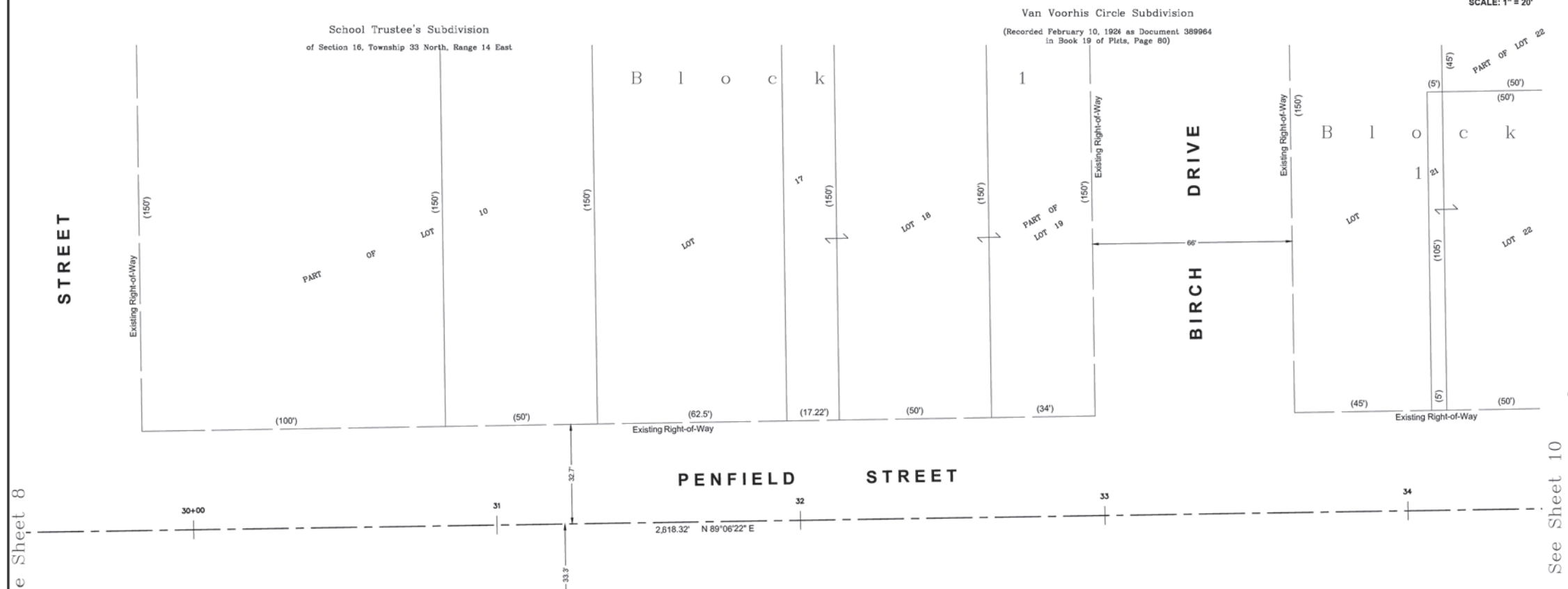
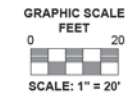
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	DATE - 11-03-21	FILE - 130899_SHT-Plat.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS	
SCALE: NONE	SHEET 8 OF 11 SHEETS
STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	68
CONTRACT NO. 61H26				
ILLINOIS / FED. AID PROJECT NIW(7436)				

PART OF SECTION 16, TOWNSHIP 33 NORTH, RANGE 14, EAST OF THIRD PRINCIPAL MERIDIAN, IN WILL COUNTY, ILLINOIS



See Sheet 10

- Notes:
- Bearings and distances are referenced to Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment)
 - Coordinates are based on Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment)
 - All dimensions are measured unless otherwise noted.
 - All measured and calculated distances are grid. To obtain ground distances, divide grid distances by the combination factor of 0.999975.

STATE OF ILLINOIS)
 COUNTY OF MCHENRY)
 THIS IS TO CERTIFY THAT I, ANTHONY E. BIANCHIN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 16 & 17, TOWNSHIP 33 NORTH, RANGE 14, EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR LAKE COUNTY DIVISION OF TRANSPORTATION, STATE OF ILLINOIS.



DATED AT CRYSTAL LAKE, ILLINOIS THIS 7th DAY OF JANUARY, 2021 A.D.
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003603
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2022
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

BAXTER & WOODMAN
 Consulting Engineers
 8678 RIDGEFIELD ROAD • CRYSTAL LAKE, IL 60012
 PHONE: 815-459-1260 • FAX: 815-455-0450

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 FAU 423 / PENFIELD STREET

LIMITS: GOULD STREET to IL RTE. 1/DIXIE HWY. COUNTY: WILL
 SECTION: 15-00020-00-FP JOB NO.: R-
 STA. 29+50 TO STA. 34+50 SHEET 9 OF 11 SHEETS
 SCALE: 1" = 20'

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

IDOT USE ONLY

REVISION DATE: - REVISION MADE BY: -

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2022
 11/4/2021
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 Plotted: 5/19/2020 @ 3:41 PM By: 554AEB
 State of Illinois - Professional Design Firm
 License No. - 184-001121 - Expires 4-30-22



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PLOT DATE = 11/4/2021	DATE - 11-03-21	FILE - 130899_SHT-Plat.dgn

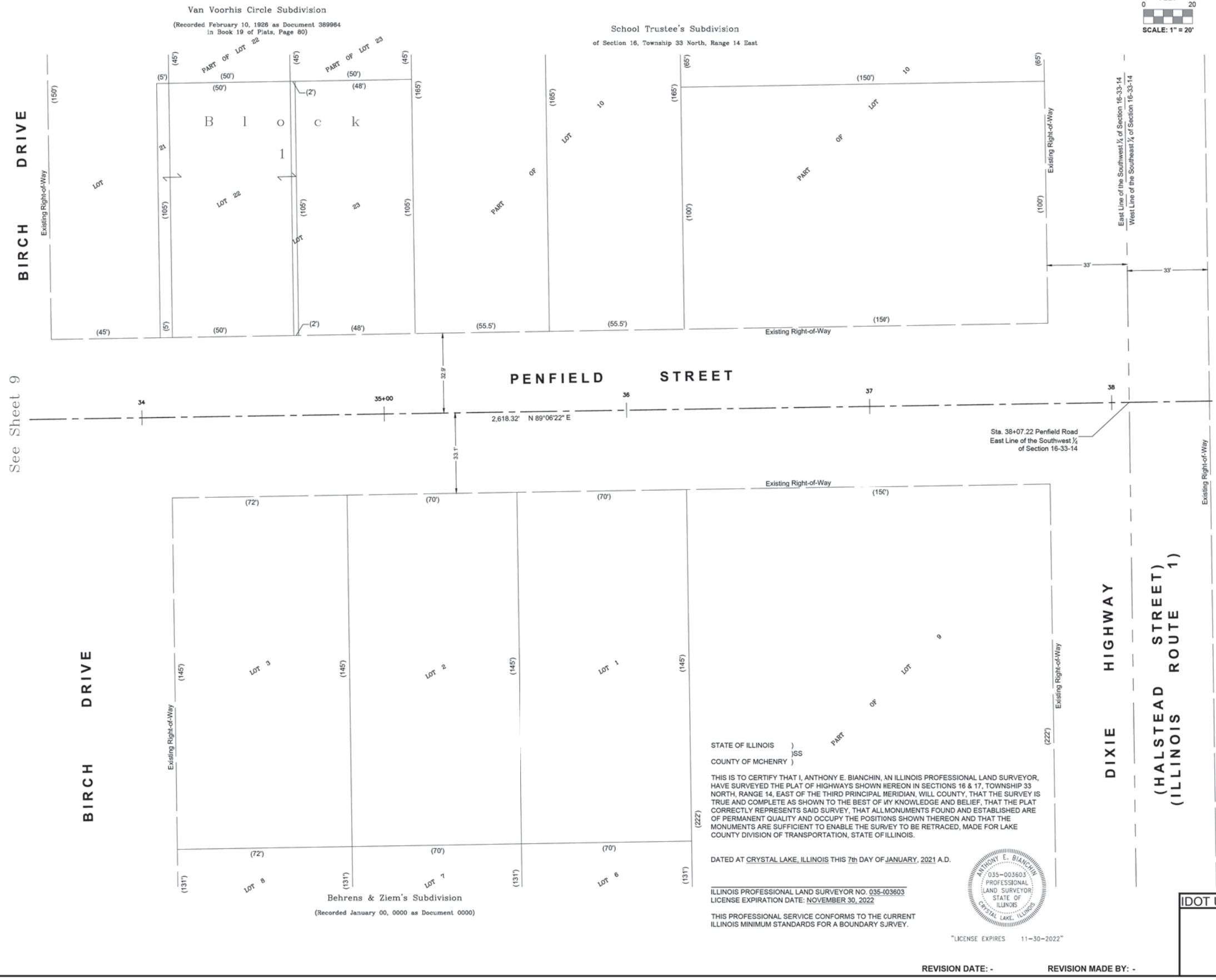
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: NONE SHEET 9 OF 11 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	69
CONTRACT NO. 61H26				
ILLINOIS FED. AID PROJECT NIW(7436)				

PART OF SECTION 16, TOWNSHIP 33 NORTH, RANGE 14, EAST OF THIRD PRINCIPAL MERIDIAN, IN WILL COUNTY, ILLINOIS



LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPL APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- 129.32' (COMP)
- 129.32' (RECORDED DIMENSION)
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- "MAG" NAIL SET
- 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYOR'S REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

Notes:

- Bearings and distances are referenced to Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment)
- Coordinates are based on Illinois State Plane Coordinate System, East Zone, North American Datum of 1983, "grid" (2011 adjustment)
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STATE OF ILLINOIS)
 COUNTY OF MCHENRY)

THIS IS TO CERTIFY THAT I, ANTHONY E. BIANCHINI, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 16 & 17, TOWNSHIP 33 NORTH, RANGE 14, EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR LAKE COUNTY DIVISION OF TRANSPORTATION, STATE OF ILLINOIS.



DATED AT CRYSTAL LAKE, ILLINOIS THIS 7th DAY OF JANUARY, 2021 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003603
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2022

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

BAXTER & WOODMAN
 Consulting Engineers
 8678 RIDGEFIELD ROAD • CRYSTAL LAKE, IL 60012
 PHONE: 815-459-1260 • FAX: 815-455-0450

PLAT OF HIGHWAYS

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 FAU 423 / PENFIELD STREET

LIMITS: GOULD STREET to IL RTE. 1/DIXIE HWY. COUNTY: WILL
 SECTION: 15-00020-00-FP JOB NO.: R-
 STA. 33+75 TO STA. 38+60.54 SHEET 10 OF 11 SHEETS
 SCALE: 1" = 20'

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

See Sheet 9

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2021
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 State of Illinois - Professional Design Firm
 License No. - 184-001121 - Expires 4-30-22



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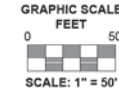
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: NONE SHEET 10 OF 11 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	70
CONTRACT NO. 61H26				
ILLINOIS FED. AID PROJECT NIW(436)				

PART OF SECTIONS 16, TOWNSHIP 33 NORTH, RANGE 14, EAST OF THIRD PRINCIPAL MERIDIAN, IN WILL COUNTY, ILLINOIS



LEGEND

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

IRON PIPE OR ROD FOUND "MAG" NAIL SET
 CUT CROSS FOUND OR SET 5/8" REBAR SET

STAKING OF PROPOSED RIGHT OF WAY.
 SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYOR'S REGISTRATION NUMBER.

STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.
 BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY'S MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)

RIGHT OF WAY STAKING PROPOSED TO BE SET

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STATE OF ILLINOIS)
)SS
 COUNTY OF MCHENRY)

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DATED AT CRYSTAL LAKE, ILLINOIS THIS 7th DAY OF JANUARY, 2021 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003603
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2022

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BAXTER & WOODMAN
 Consulting Engineers
 8678 RIDGEFIELD ROAD • CRYSTAL LAKE, IL 60012
 PHONE: 815-459-1260 • FAX: 815-455-0450

PLAT OF HIGHWAYS

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 FAU 423 / PENFIELD STREET

LIMITS : GOULD STREET to IL RTE. 1/DIXIE HWY. COUNTY : WILL
 SECTION : 15-00020-00-FP JOB NO. : R-
 STA. N/A TO STA. N/A
 SCALE : 1" = 50' SHEET 11 OF 11 SHEETS

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196



Original Town of Beecher
 (Recorded December 6, 1870 as Document 70956
 in Book 1 of Plats, Page 37,38)

D. D. Van Voorhis Subdivision
 (Recorded December 23, 1903 as Document 225543
 in Book 11 of Plats, Page 79)

REVISION DATE: - REVISION MADE BY: -

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 State of Illinois - Professional Design Firm
 License No. - 184-001121 - Expires 4/30/22



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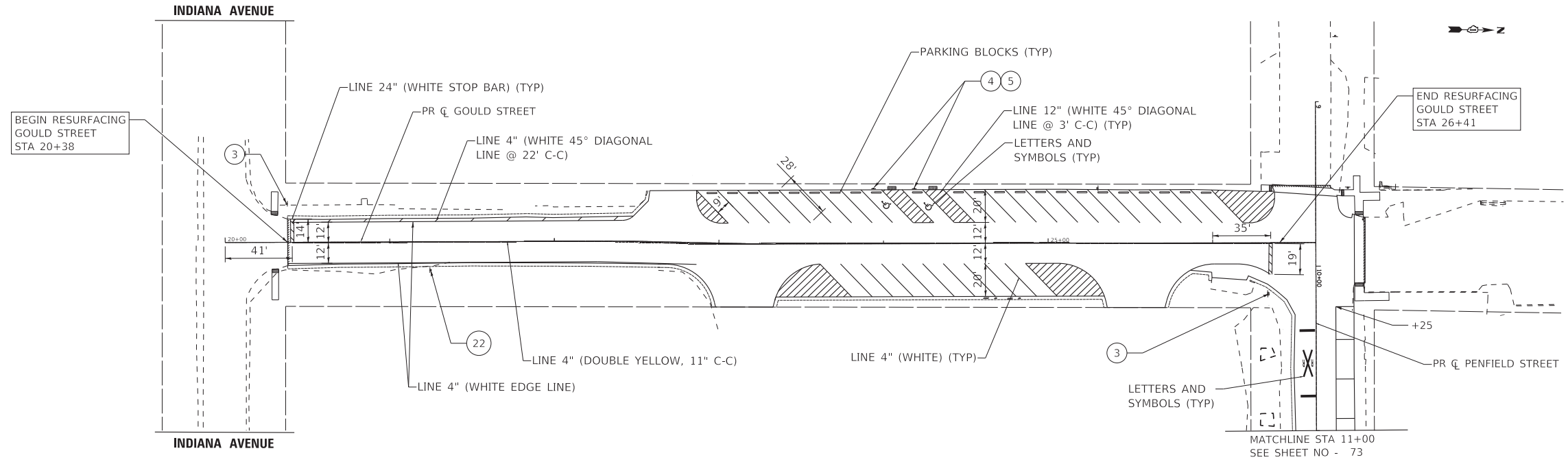
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

SCALE: NONE SHEET 11 OF 11 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	71
CONTRACT NO. 61H26				
ILLINOIS FED. AID PROJECT NIW(436)				

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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LEGEND

- TOPSOIL EXCAVATION AND PLACEMENT SODDING, SALT TOLERANT
- PROPOSED TREES
- * SIGN TO BE REMOVED, STORED, AND RE-ERECTED



USER NAME = ccode	DESIGNED - CAC	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING, SIGNAGE AND LANDSCAPING PLAN

SCALE: 1" = 40' SHEET 1 OF 3 SHEETS STA. 20+00 TO STA. 26+41

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	72
			CONTRACT NO. 61H26	
			ILLINOIS FED. AID PROJECT NIW7(436)	

BEGIN RECONSTRUCTION
PENFIELD STREET
STA 12+42

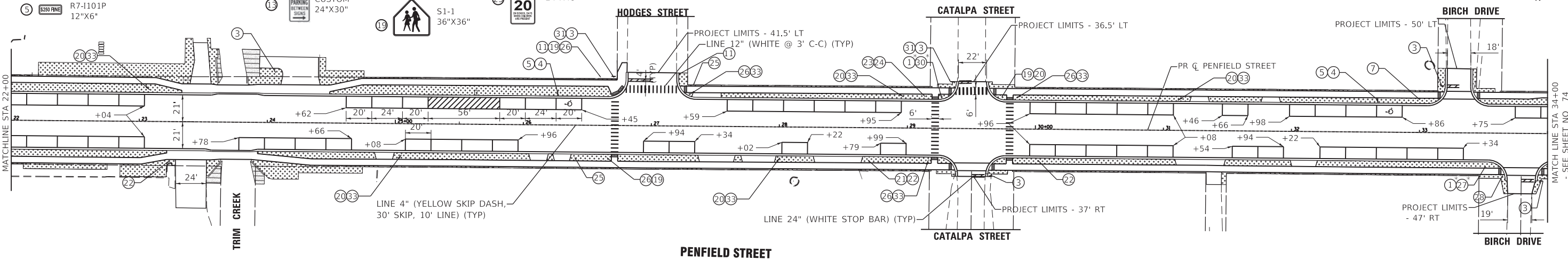
END RESURFACING
PENFIELD STREET
STA 12+17

LEGEND

- TOPSOIL EXCAVATION AND PLACEMENT
SEED CLASS 4
MULCH, METHOD 2
- TOPSOIL EXCAVATION AND PLACEMENT
SODDING, SALT TOLERANT
- PROPOSED TREES (SEE TREE SCHEDULE)

* SIGN TO BE REMOVED, STORED, AND RE-ERECTED

- | | | | | | | | | | | |
|-------------------------|---------------------------------------|---------------------------------------|--|--|----------------------------|-------------------|----------------------------|------------------------------|---------------------------------|------------------|
| 1 Penfield St D3-1 | 6 R1-1 36"x36" W/R | 10 ONE WAY R6-2 L 36"x12" | 14 NO PARKING BETWEEN SIGNS CUSTOM 24"x30" | 20 AHEAD W16-9P 24"x12" | 24 FINES HIGHER R2-6P | 26 W16-7p 24"x12" | 28 NO OUTLET W14-2 36"x36" | 31 DO NOT ENTER R5-1 36"x36" | 32 NO TRAIN HORN W10-9P 30"x24" | 33 W11-2 36"x36" |
| 2 Reed St D3-1 | 7 54-5 36"x36" | 11 ONE WAY R6-2 R 36"x12" | 15 ONE WAY DO NOT ENTER CUSTOM 24"x30" | 21 END SCHOOL ZONE S5-2 24"x30" | 25 STATE LAW R1-5b 36"x36" | 27 Birch Dr D3-1 | 29 LOOK R15-8 36"x18" | 34 W10-2 36"x36" | | |
| 3 STOP R1-1 36"x36" W/R | 8 Woodward St D3-1 | 12 NO PARKING ANY TIME CUSTOM 24"x30" | 16 NOT IN USE | 22 SPEED LIMIT 25 R2-1 30"x36" B/W | | | | 35 W10-2L 36"x36" | | |
| 4 R7-8 12"x18" | 9 NO LEFT TURN TO PARK CUSTOM 24"x30" | 13 NO PARKING SIGN CUSTOM 24"x30" | 17 LIBRARY I-8p | 23 SCHOOL SPEED LIMIT 20 S4-1100 24"x48" | | | | | | |
| 5 R7-1101P 12"x6" | | | 18 Maxwell St D3-1 | | | | | | | |
| | | | 19 S1-1 36"x36" | | | | | | | |



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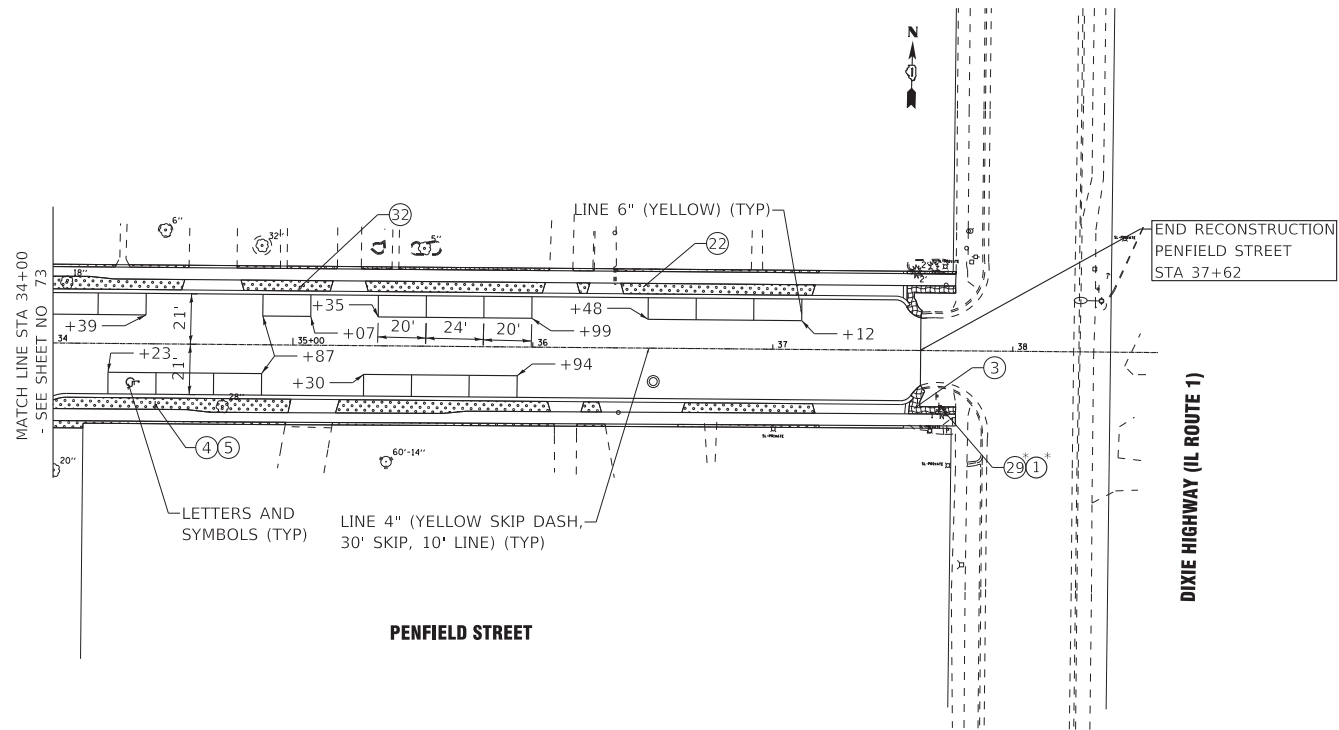
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING, SIGNAGE AND LANDSCAPING PLAN




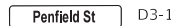




SCALE: 1" = 40' SHEET 2 OF 3 SHEETS STA. 11+00 TO STA. 34+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	73
CONTRACT NO. 61H26				
ILLINOIS FED. AID PROJECT NIW7(436)				

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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LEGEND

-  TOPSOIL EXCAVATION AND PLACEMENT
SEED CLASS 4
MULCH, METHOD 2
-  TOPSOIL EXCAVATION AND PLACEMENT
SODDING, SALT TOLERANT
-  PROPOSED TREES (SEE TREE SCHEDULE)
- * SIGN TO BE REMOVED, STORED, AND RE-ERECTED
-  ① Penfield St D3-1
-  ② SPEED LIMIT 25 R2-1 30"X36" B/W
-  ③ DO NOT BLOCK INTERSECTION R10-7 24"X30"
-  ④ STOP R1-1 36"X36" W/R
-  ⑤ Dixie Hwy D3-1



USER NAME = ccode	DESIGNED - CAC	REVISED -
	DRAWN - CJC	REVISED -
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PLOT DATE = 11/4/2021	DATE - 11-03-21	FILE - 130899_SHT-PM2.dgn

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING, SIGNAGE AND LANDSCAPING PLAN

SCALE: 1" = 40' SHEET 3 OF 3 SHEETS STA. 34+00 TO STA. 38+00








F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	74
CONTRACT NO. 61H26				
ILLINOIS FED. AID PROJECT NIW7(436)				

LIGHTING NOTES:

1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE DETAILS IN THE PLANS, THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS, AND THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (N.E.C.).
2. THE LOCATIONS OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE. THE EXACT LOCATIONS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE LIGHTING SYSTEM. FOR THE LOCATIONS OF THE UTILITIES, CALL JULIE TOLL FREE AT 1-800-892-0123. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE EXISTING TRAFFIC SIGNAL CABLES AND CONDUITS.
3. EXISTING STREET LIGHTING UNITS (NOTED IN PLANS) TO REMAIN IN OPERATION ARE TO BE MAINTAINED BY THE CONTRACTOR UNTIL NEW STREET LIGHTS ARE OPERATIONAL AND ACCEPTED BY THE ENGINEER.
4. FIELD ADJUSTMENT OF LIGHTING UNIT LOCATIONS TO AVOID CONFLICTS MUST BE APPROVED BY THE VILLAGE AND/OR ENGINEER.
5. CARE IS TO BE TAKEN AS NOT TO DAMAGE ANY OF THE EXISTING CONDUITS, CONDUCTORS, AND EQUIPMENT TO REMAIN. ANY ITEMS DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED AND/OR REPLACED BY THE CONTRACTOR AT NO COST TO THE VILLAGE.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF FINISHED GRADE. THE RESIDENT ENGINEER MAY ASSIST THE CONTRACTOR, AS APPLICABLE, BUT THE RESPONSIBILITY FOR COORDINATING THE FINISHED GRADE ELEVATION WITH THE TOP OF FOUNDATION HEIGHTS AND THE LIGHT SHALL REMAIN WITH THE CONTRACTOR.
7. ANY TURF AND/OR SOIL DISTURBED THAT CANNOT REMAIN OR BE RE-USED SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND INCLUDED IN THE COST OF THE ASSOCIATED PAY ITEM.
8. ALL DISTURBED AREAS WHERE RESTORATION IS NOT COVERED BY APPLICABLE SECTIONS OF THE SPECIAL PROVISIONS MUST BE RESTORED TO THE SATISFACTION OF THE VILLAGE AND/OR ENGINEER. THE WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. SEPARATE PAYMENT WILL NOT BE MADE.
9. THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE REQUIREMENTS FOR WIRE MARKERS AND SHALL TAG ALL WIRE ACCORDINGLY.
10. CONDUIT AND UNIT DUCT MUST BE POSITIONED IN THE FIELD TO AVOID CONFLICT WITH TREES, BUSHES, DRAINS AND OTHER UTILITIES AND LANDSCAPING.
11. THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE REQUIREMENTS FOR GROUNDING. GROUNDING CONNECTIONS AT THE FOUNDATION SHALL BE EXOTHERMICALLY WELDED, AS SPECIFIED, AND SHALL BE INSPECTED AND APPROVED BY THE VILLAGE AND/OR ENGINEER PRIOR TO BACKFILLING.
12. EQUIPMENT GROUND CONDUCTORS SHALL BE SPLICED AND/OR BONDED AT EACH LIGHT POLE OR OTHER PIECE OF EQUIPMENT.
13. THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE REQUIREMENTS FOR BURIED WARNING TAPE, SPECIFIED AS PART OF "UNDERGROUND RACEWAYS". THE INSTALLATION OF THE TAPE SHALL BE INSPECTED AND APPROVED BY THE ENGINEER PRIOR TO BACKFILLING.
14. NO POLES SHALL BE ERECTED UNTIL THE RESPECTIVE FOUNDATIONS HAVE CURED, AS APPROVED BY THE VILLAGE AND/OR ENGINEER.
15. ALL CONDUITS UNDER ROADWAYS AND DRIVEWAYS IN TRENCHES SHALL BE INSTALLED BEFORE PAVEMENT IS PLACED. CONDUIT LENGTHS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE ACTUAL LENGTH REQUIREMENTS IN THE FIELD.
16. NO UNDERGROUND SPLICES OR SPLICES IN HANDHOLES WILL BE PERMITTED. ELECTRIC HANDHOLES SHALL BE USED FOR THE PURPOSE OF PULLING CABLES ONLY.
17. LIGHTING UNIT SETBACK (S.B.) ARE FROM FACE OF CURB TO CENTERLINE OF POLE AND SHALL BE AS CALLED OUT ON PLANS.
18. ALL ELECTRICAL DEVICES AND MATERIALS SHALL BE U/L LISTED WHERE APPLICABLE.

SUMMARY OF QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	732
81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	1
82500350	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP	EACH	1
	LIGHT POLE FOUNDATION, METAL, SPECIAL	EACH	55
XX006996	LIGHT POLE, ALUMINUM, 14 FT., SPECIAL	EACH	55
	UNIT DUCT, 600V, 4-1/C NO. 10, 3-1/C NO. 6, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	4850
	ELECTRIC CABLE IN CONDUIT, 600 V. (XLP-TYPE USE) 3-1/C NO. 1	FOOT	600

LEGEND

-  EXISTING COM ED POWER POLE
-  PROPOSED LIGHTING CONTROLLER "LC-1", 120/240V, 1-PHASE, 100 A
-  PROPOSED HANDHOLE
-  1 1/2" CONDUIT, 4#6, 4#8, #6 GROUND OR AS NOTED
-  3" RGS CONDUIT, PUSHED/BORED 8' LONG WITH 1 1/2" UNIT DUCT OR AS NOTED
-  PROPOSED LIGHTING UNIT, 16' MOUNTING HEIGHT, 54W LED
-  EXISTING LIGHTING UNIT

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DEPARTMENT OF TRANSPORTATION**

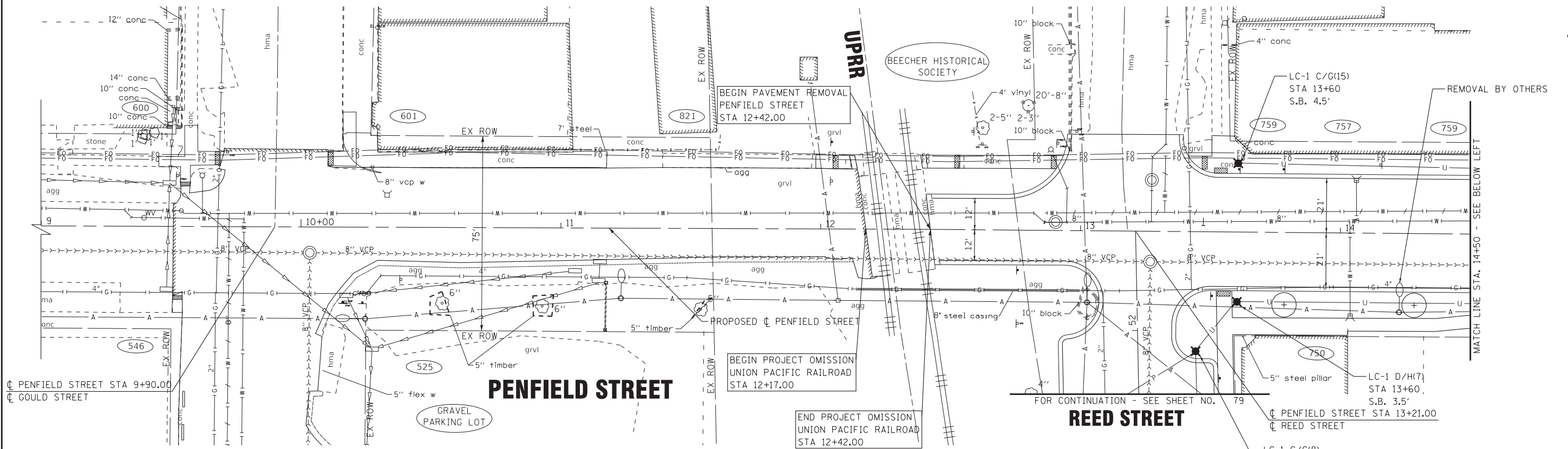
STREET LIGHTING NOTES

SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	75
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H26	
ILLINOIS FED. AID PROJECT			NIW7(436)	

GOULD STREET

REED STREET



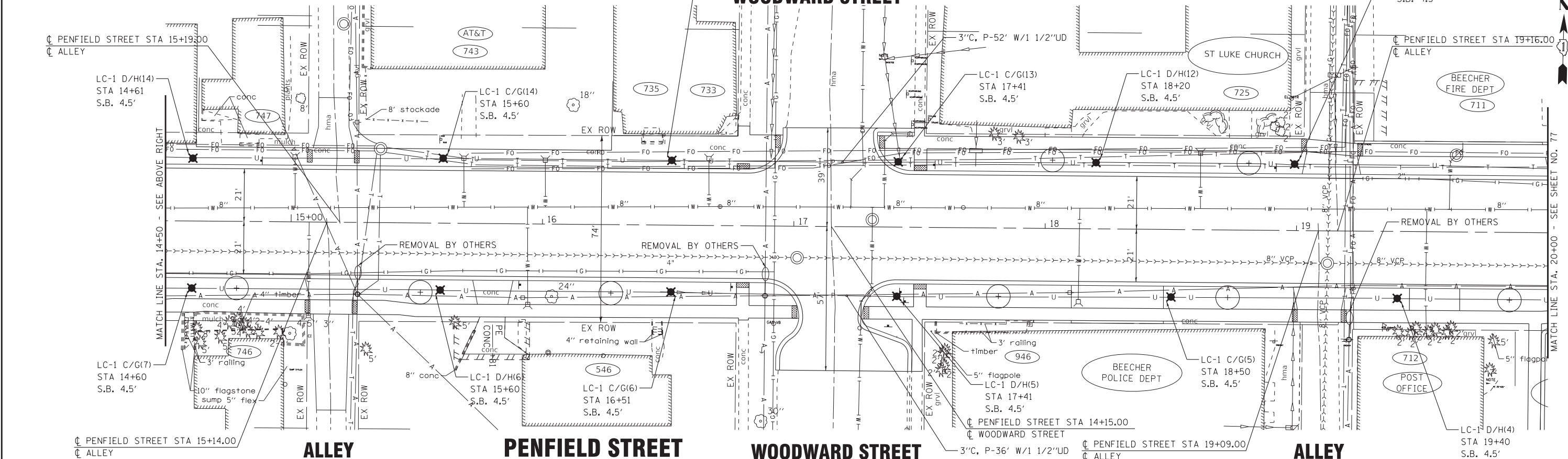
GOULD STREET

REED STREET

ALLEY

WOODWARD STREET

ALLEY



ALLEY

WOODWARD STREET

ALLEY



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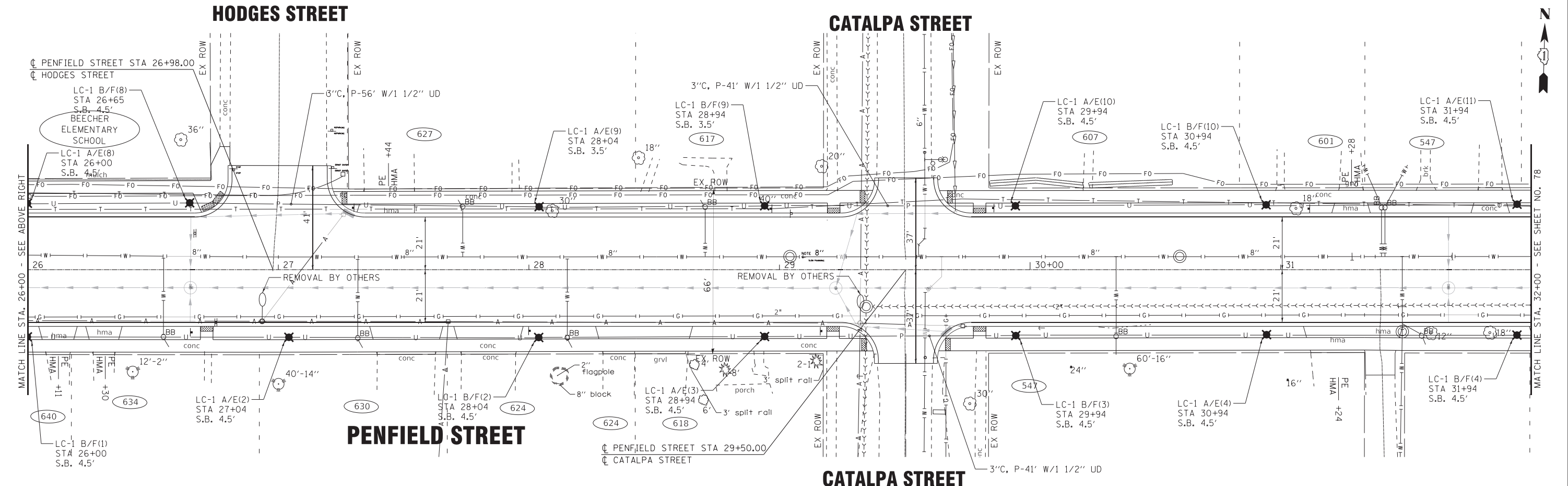
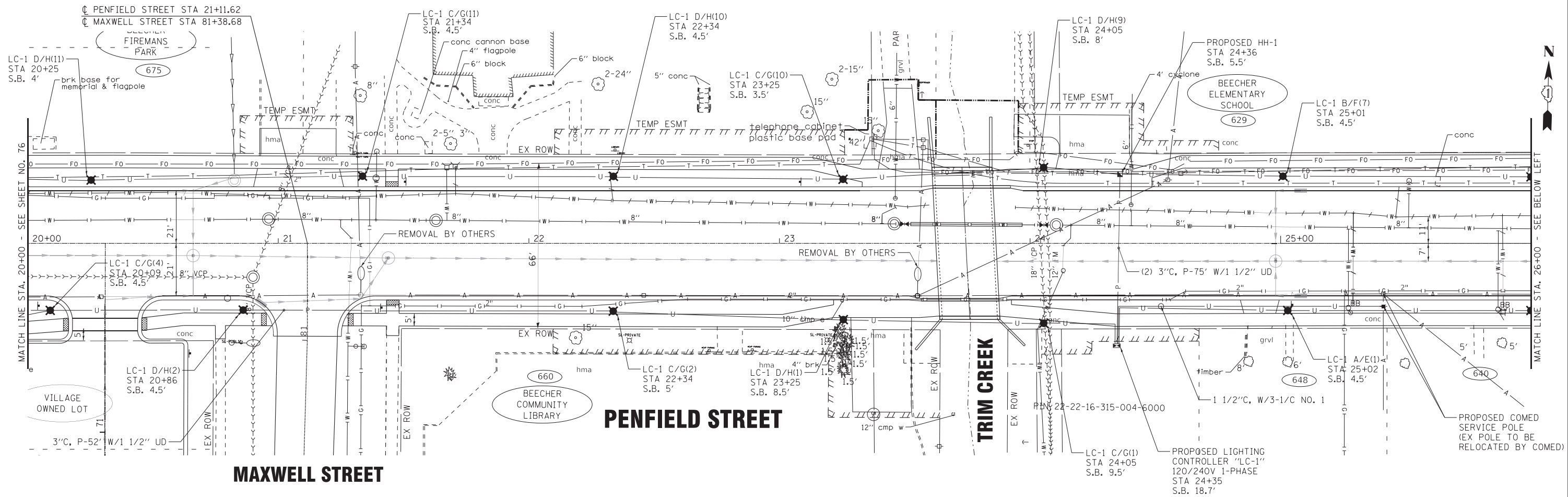
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: 1" = 20'		SHEET 1 OF 4 SHEETS		STA. 9+51 TO STA. 20+00	
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STREET LIGHTING PLAN
 - PENFIELD STREET

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	76
CONTRACT NO. 61H26				
ILLINOIS FED. AID PROJECT NIW7(436)				



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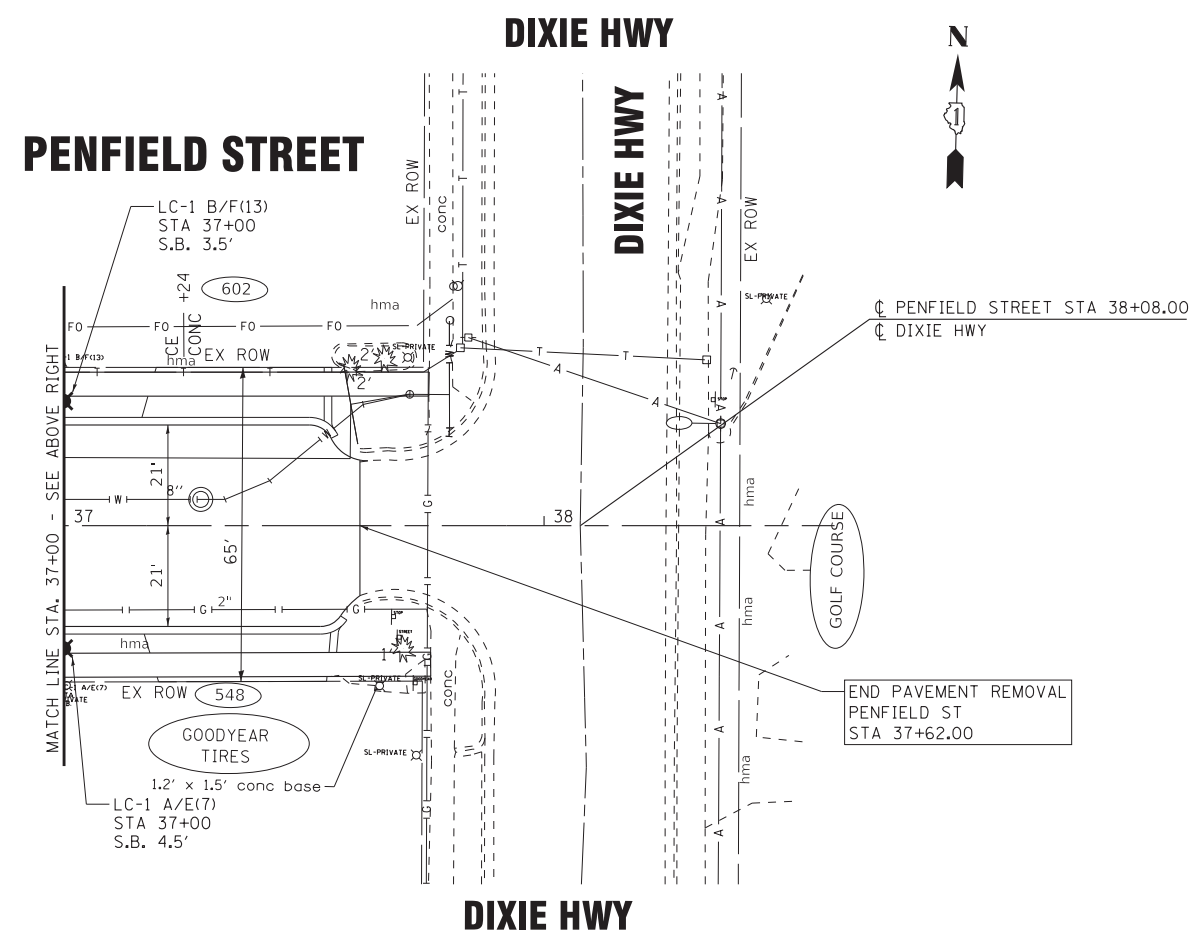
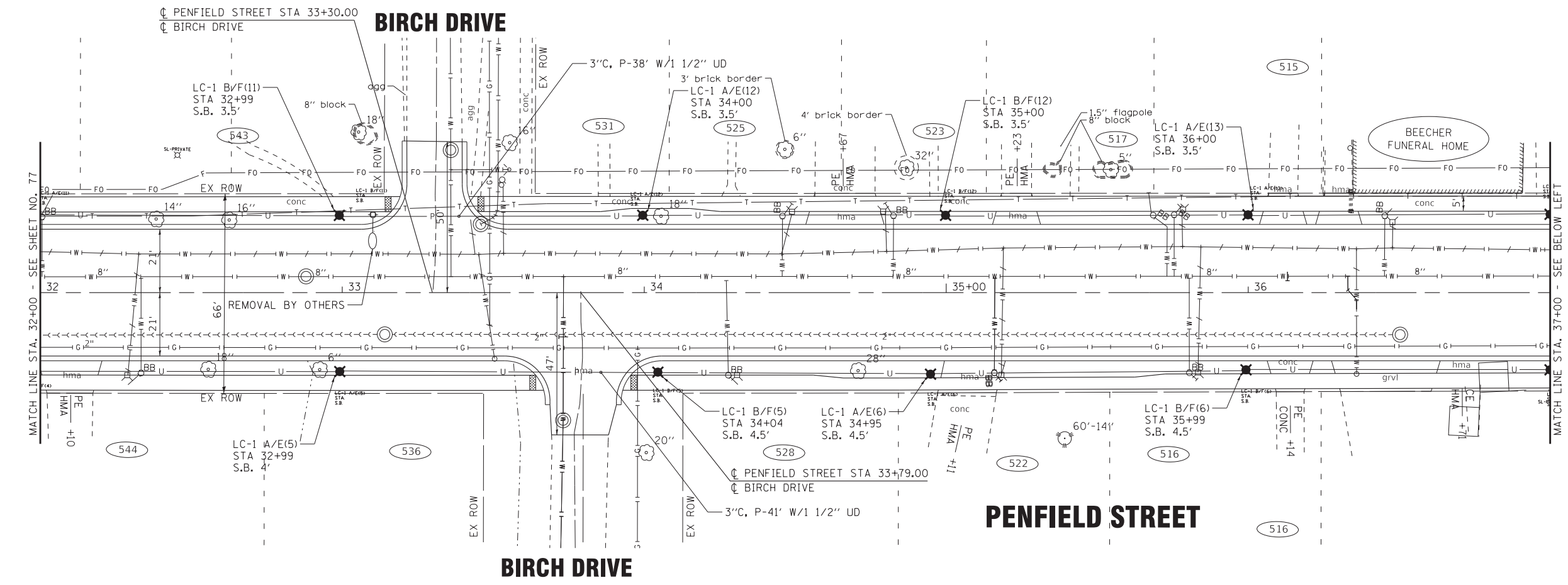
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STREET LIGHTING PLAN
- PENFIELD STREET

SCALE: 1" = 20'
 SHEET 2 OF 4 SHEETS
 STA. 20+00 TO STA. 32+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	77
CONTRACT NO. 61H26				
ILLINOIS FED. AID PROJECT NIW7(436)				

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**STREET LIGHTING PLAN
 - PENFIELD STREET**

SCALE: 1" = 20' SHEET 3 OF 4 SHEETS STA. 32+00 TO STA. 38+08

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	78
CONTRACT NO. 61H26				
ILLINOIS FED. AID PROJECT NIW7(436)				

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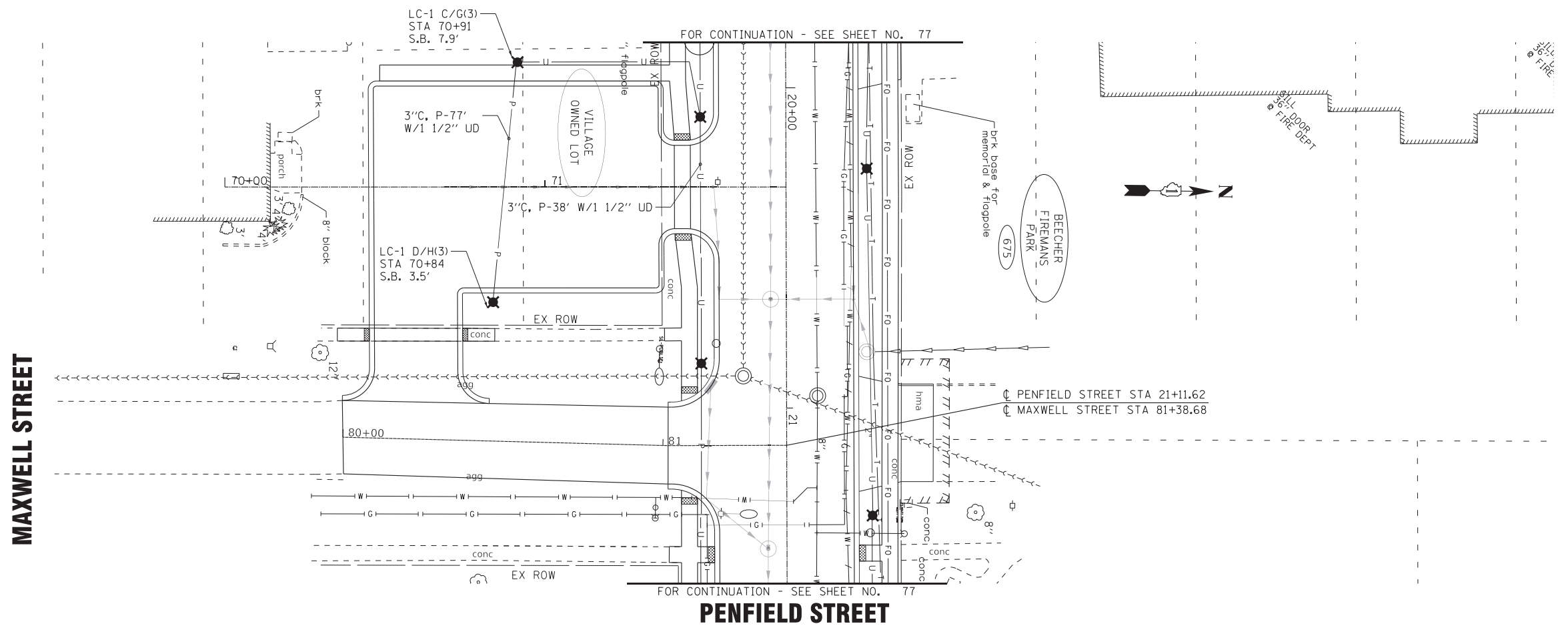
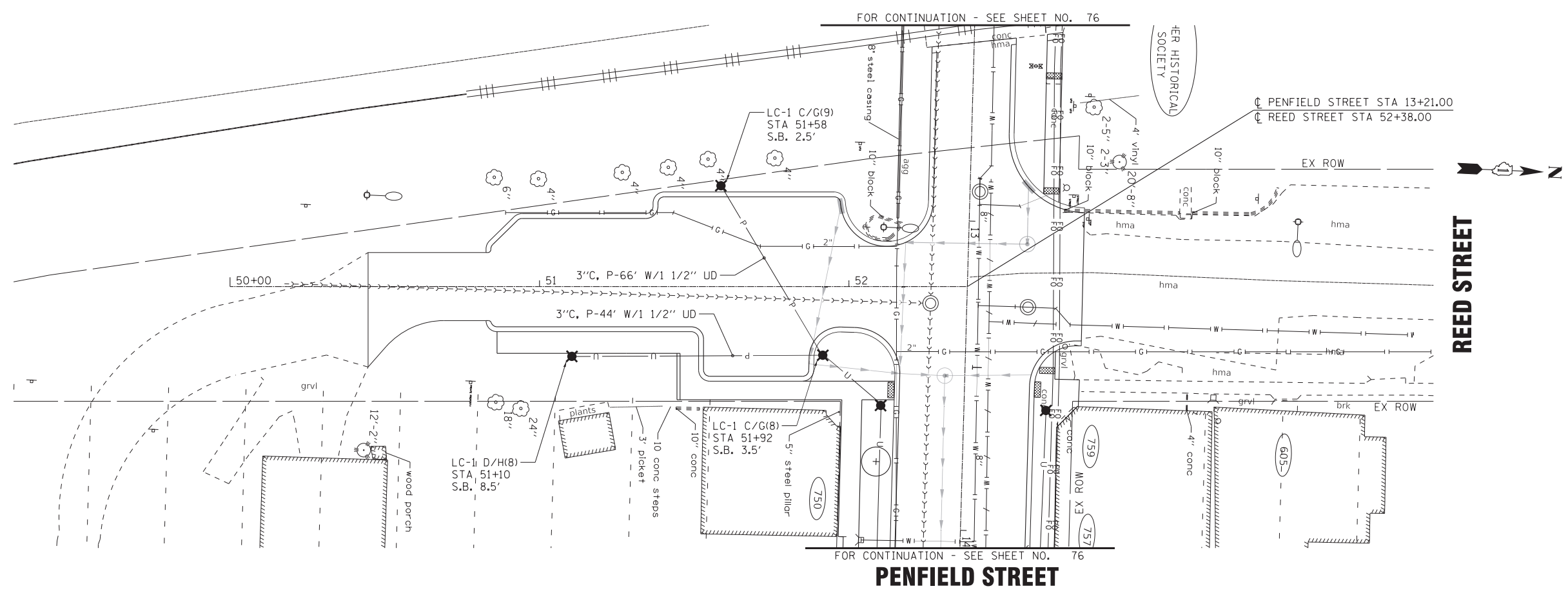


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 DEPARTMENT OF TRANSPORTATION

STREET LIGHTING PLAN
 - REED STREET AND MAXWELL STREET
 SCALE: 1" = 20'
 SHEET 4 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	79
CONTRACT NO. 61H26				
ILLINOIS FED. AID PROJECT NIW7(436)				



REED STREET

MAXWELL STREET

FOR CONTINUATION - SEE SHEET NO. 76

FOR CONTINUATION - SEE SHEET NO. 76

FOR CONTINUATION - SEE SHEET NO. 77

FOR CONTINUATION - SEE SHEET NO. 77

HER HISTORICAL SOCIETY

BEECHER FIREMANS PARK

VILLAGE OWNED LOT

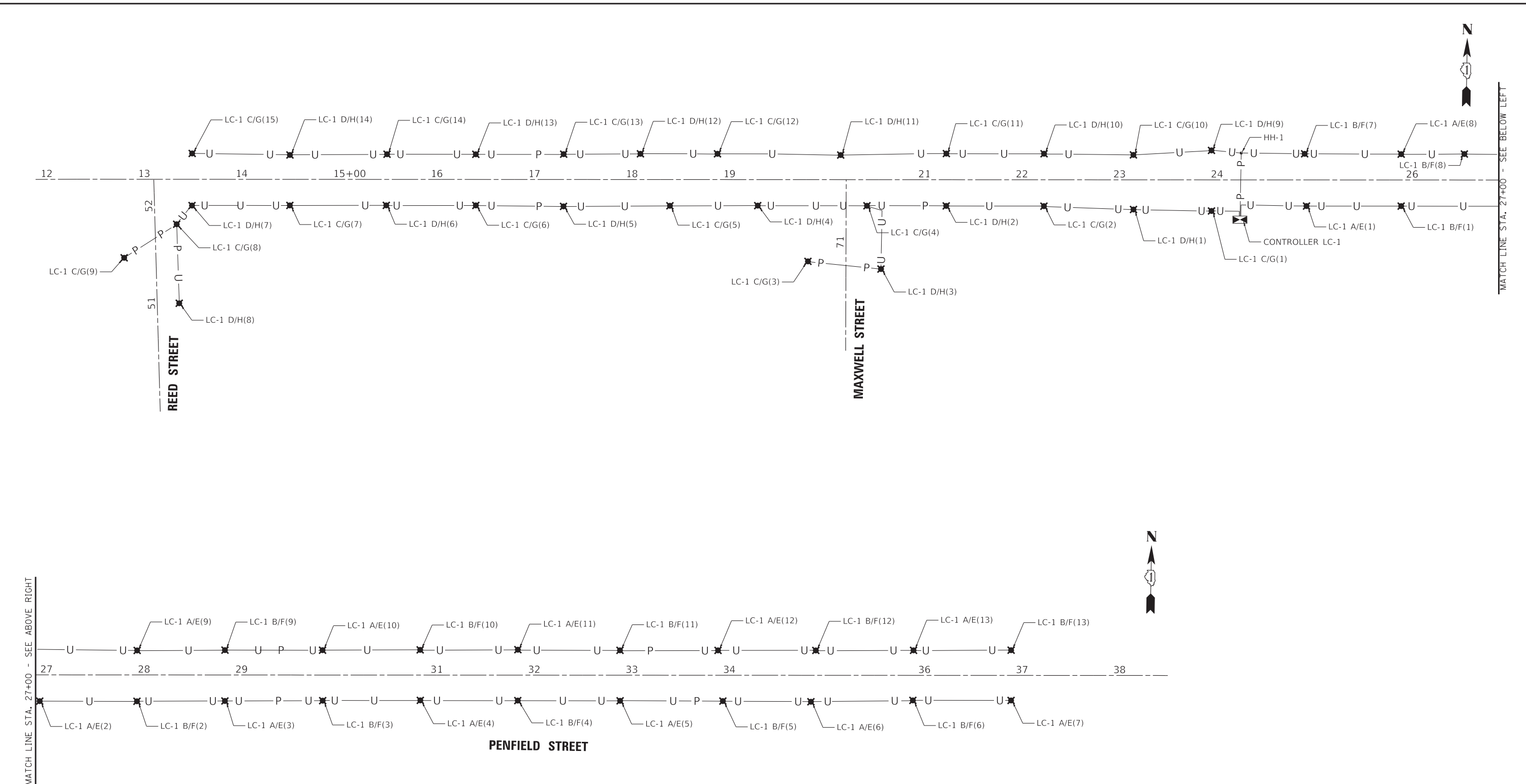
PENFIELD STREET STA 13+21.00
 REED STREET STA 52+38.00

PENFIELD STREET STA 21+11.62
 MAXWELL STREET STA 81+38.68

ALL DOOR @ FIRE DEPT

3/4" @ FIRE

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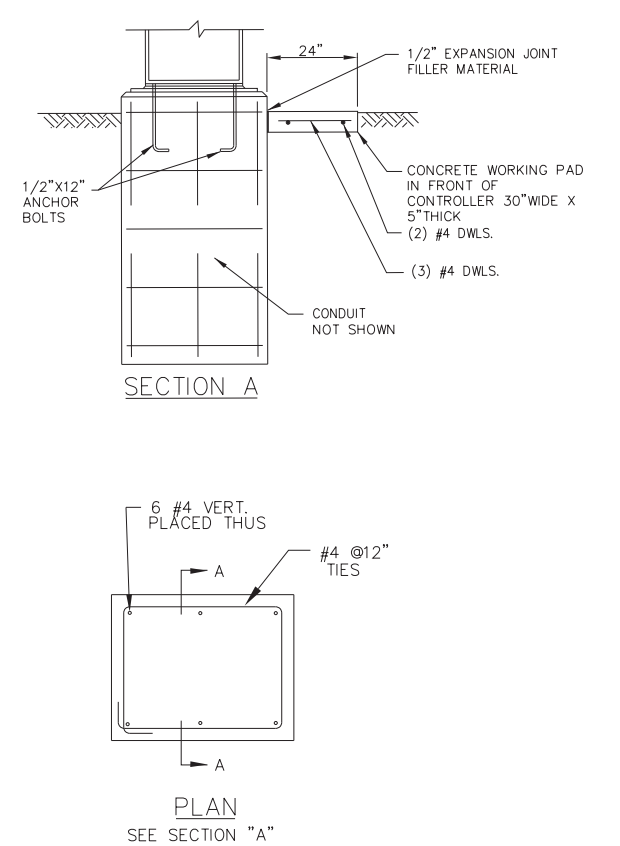
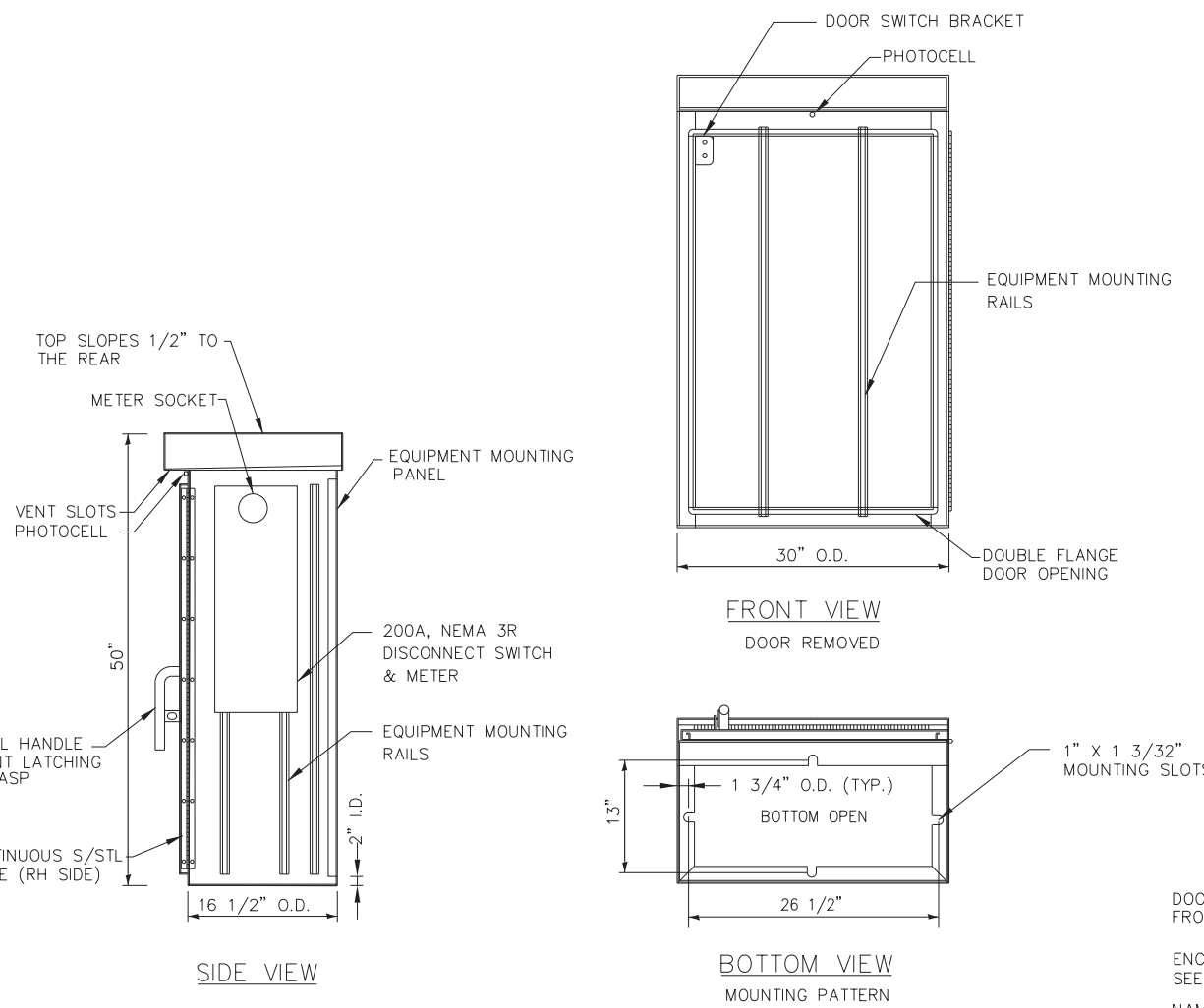
STREET LIGHTING SINGLE LINE DIAGRAM

SCALE: 1" = 50' SHEET 1 OF 1 SHEETS STA. 12+00 TO STA. 38+50

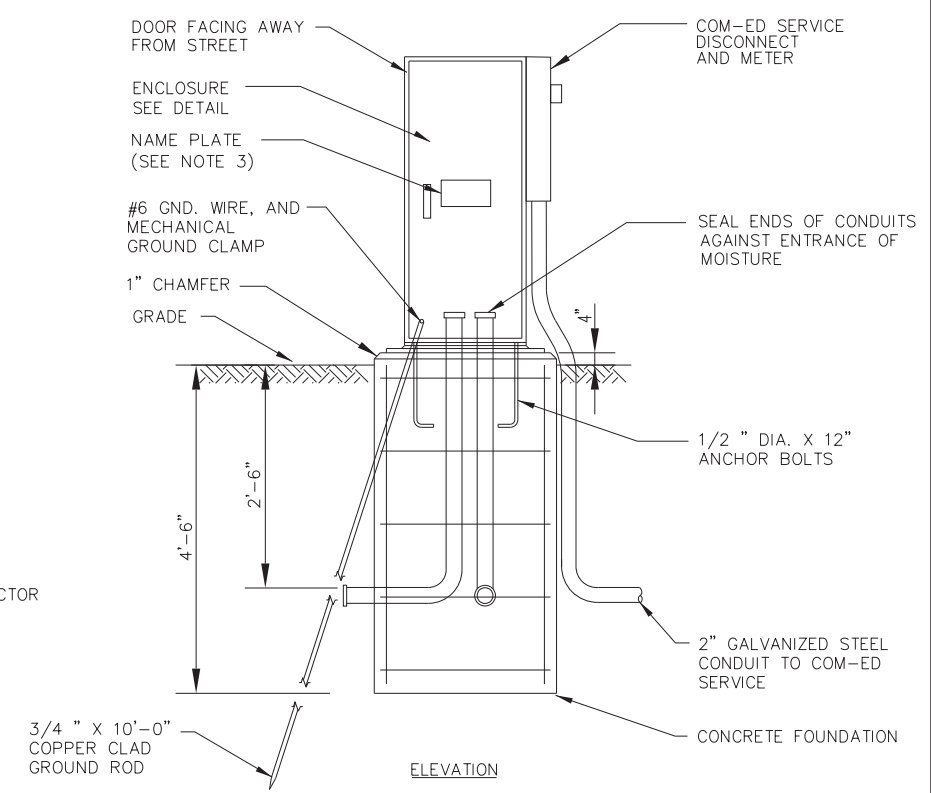
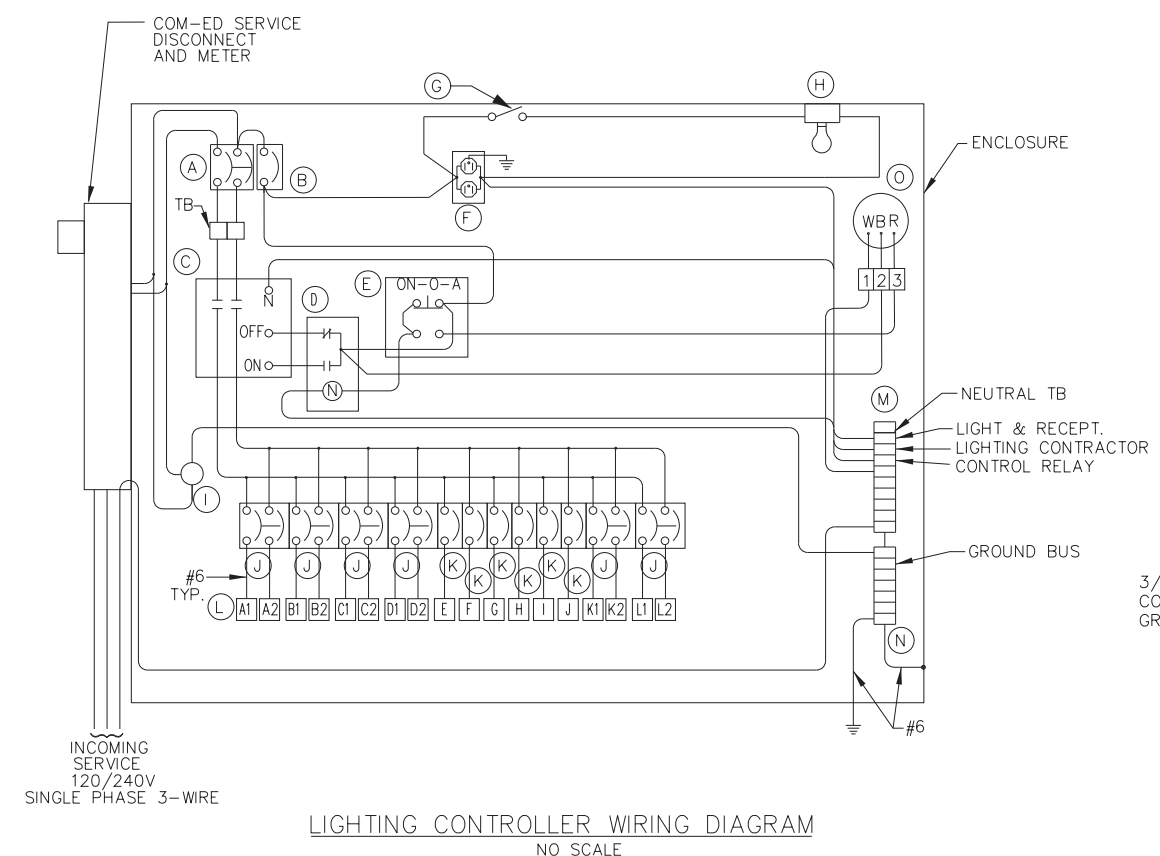
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	80
CONTRACT NO. 61H26				
ILLINOIS FED. AID PROJECT NIW7(436)				

NOTES:

- CABINET SHALL BE FABRICATED FROM 0.125-INCH THICK, TYPE 5052-H32 ALUMINUM, FORMED AND ARC WELDED ASSEMBLY WITH NEMA 3R RATING.
- ALL SCREWS AND HARDWARE SHALL BE PLATED, GALVANIZED, OR MADE OF BRASS, ALUMINUM, OR STEEL.
- NAME PLATE SHALL HAVE ENGRAVED 0.75-INCH HIGH LETTERS FILLED IN BLACK; "STREET LIGHTING".
- CONNECTION OF SURGE ARRESTOR TO LINE SIDE OF MAIN CIRCUIT BREAKER SHALL NOT BE "DOUBLE LUGGED".
- ELECTRIC UTILITY METER BOX SHALL BE MOUNTED ON THE SIDE OF CONTROL CABINET AS SHOWN ON THE PANEL LAYOUT DIAGRAM.
- THE COMPLETED CONTROLLER SHALL BE U.L. LISTED AS AN INDUSTRIAL CONTROL PANEL.
- METAL MOUNTING PANEL SHALL BE #10 GAUGE GALVANIZED SHEET STEEL FLANGED BACK 0.75-INCHES I.D. ON 4 SIDES.
- CIRCUIT BREAKERS AND CONTACTORS AND OTHER COMPONENTS SHALL BE MOUNTED ON 0.125-INCH THICK GLASTIC INSULATION BACK PANEL.
- ALL DEVICES SHALL BE FRONT REMOVABLE.
- BUS BAR SHALL HAVE 22 LUG TERMINALS SIZED TO ACCOMODATE REQUIRED WIRE SIZES. NEUTRAL BUS SHALL BE PAINTED WHITE. GROUND BUS SHALL BE PAINTED GREEN.
- ALL LUGS SHALL BE COPPER SCREWS AND CONNECTORS, SPRING-HELD.
- ALL WIRING TERMINATIONS SHALL BE RATED NOT LESS THAN 75 DEGREE CENTRIGRADE.
- ALL CONTROL WIRING SHALL BE 600V MACHINE TOOL WIRE TYPE MTW.
- ALL POWER WIRING SHALL BE 600V TYPE RHH/RHW.
- A LAMINATED COPY OF THE CIRCUIT SCHEMATIC DIAGRAM SHALL BE ATTACHED TO THE INSIDE OF THE CONTROLLER.
- ALL 120 VOLT SYSTEM AND CONTROL WIRING SHALL BE #12 AWG STRANDED UNLESS OTHERWISE INDICATED.
- ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.



ITEM	QTY.	DESCRIPTION
A	1	MAIN CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, 2-POLE, 240V, SINGLE-PHASE, 100A, BOLT-ON TYPE, TRIP INTERRUPTING RATING OF 22,000 RMS SYMMETRICAL AMPERES AT 240V
B	1	BRANCH CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, 1-POLE, 120V, 20A, BOLT-ON TYPE, TRIP INTERRUPTING RATING OF 10,000 RMS SYMMETRICAL AMPERES AT 120V
C	1	LIGHTING CONTACTOR, ELECTRICALLY HELD, 200A 2-POLE, 600V, WITH 120V COIL
D	1	CONTROL RELAY, RATED 12A AT 120 VAC
E	1	ON-OFF-AUTO 3-POSITION SELECTOR SWITCH, HEAVY DUTY, RATED FOR 10 A. AT 600 VAC.
F	1	GFCI RECEPTACLE, 120V, 20A SPEC. GRADE, NEMA CONFIG. 5-20R
G	1	SPDT MOMENTARY NORMALLY OPEN, NORMALLY CLOSED, PUSH BUTTON SWITCH, RATED 15A AT 120V
H	1	60 WATT LIGHT FIXTURE, VAPOR TIGHT, WITH GLOBE, GUARD AND MOUNTING BOX.
I	1	SECONDARY SURGE ARRESTER , 175 VAC PHASE-TO-GROUND MAXIMUM
J	6	BRANCH CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, 2-POLE, 240V, SINGLE-PHASE, 30A, TRIP INTERRUPTING RATING 10,000 RMS SYMMETRICAL AMPERES AT 240V
K	6	BRANCH CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, 1-POLE, 120V, 20A, BOLT-ON TYPE, TRIP INTERRUPTING RATING OF 10,000 RMS SYMMETRICAL AMPERES AT 120V
L	18	TERMINAL BLOCK RATED 600V, 85A
M	1	COPPER NEUTRAL BUS.
N	1	COPPER GROUND BUS.
O	1	PHOTOCELL-120V, BUTTON STYLE, DELAY TYPE, SPST



LIGHTING CONTROLLER AND FOUNDATION DETAIL
NO SCALE

NOTE:
1) INSTALL (2) SPARE 2" CONDUITS STUBBED OUT AND CAPPED 18" BEYOND FOUNDATION.
2) QUANTITY AND SIZE OF CONDUITS AS SHOWN ON PLANS.

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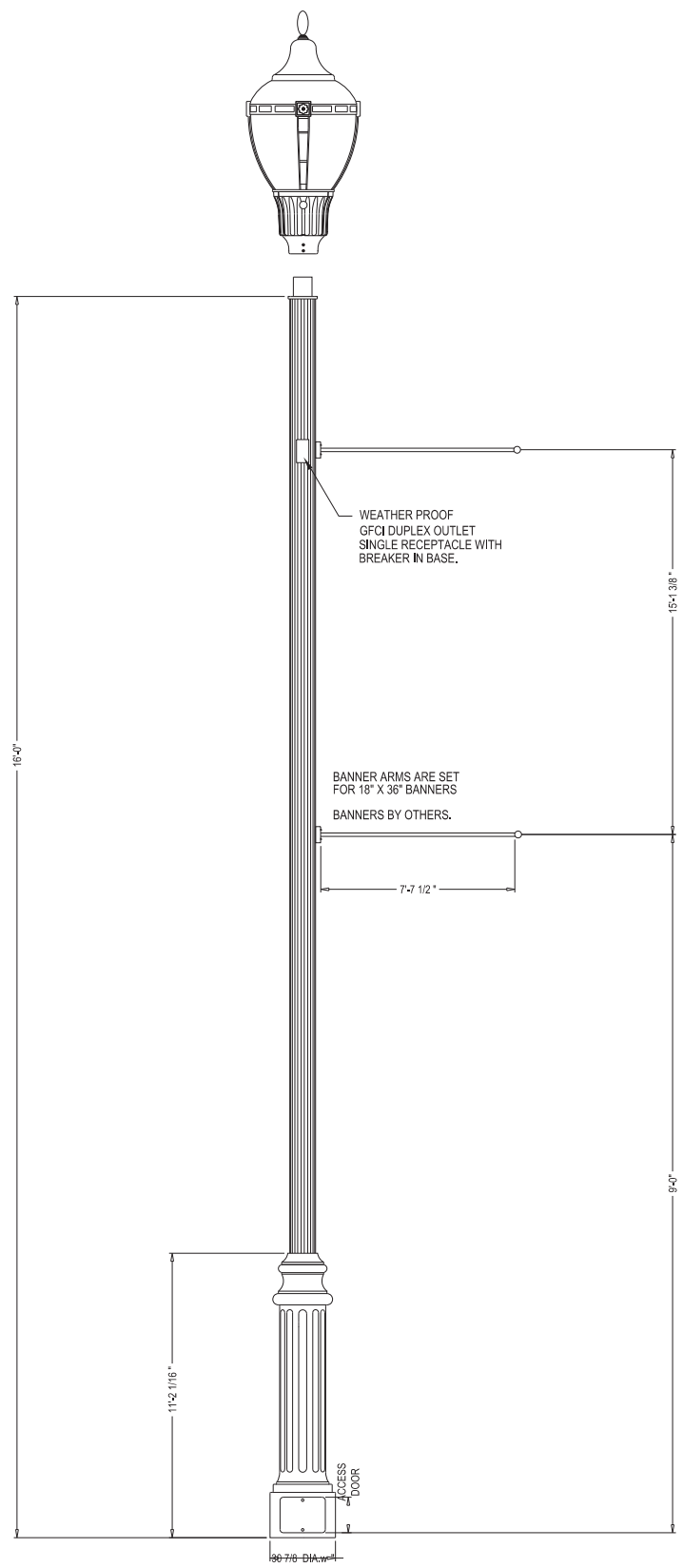
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STREET LIGHTING DETAILS

SCALE: NTS SHEET 1 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	81
CONTRACT NO. 61H26				
ILLINOIS FED. AID PROJECT NIW7(436)				

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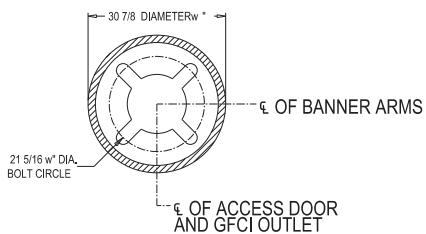
LIGHT POLE DETAIL

LUMINAIRE SPECIFICATIONS
 MANUFACTURER: GE CURRENT
 STYLE: EVOLVE LED POST TOP - AVERY
 MOUNTING STYLE: STREETDREAMS (EPAS)
 MOUNTING HEIGHT: TENON, 3" DIA. X 3" HIGH
 MATERIAL: 16' - 0"
 HOUSING - DIE-CAST ALUMINUM
 LENS - CLEAR ACRYLIC
 ACCESSORIES - MEDALION CROWN & RIBS, COLONY TOP, SILOUETTE FINIAL

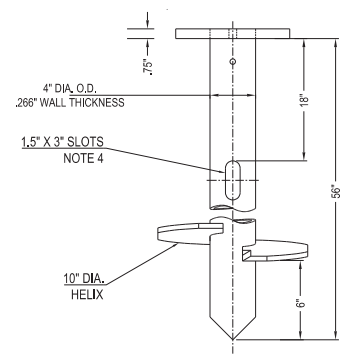
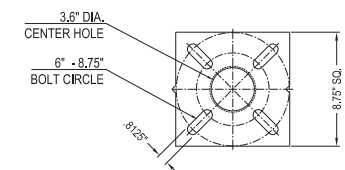
LED COLOR TEMPERATURE: 4000K
 FINISH: POWDERCOAT - RAL#8022 (FLAT BLACK)
 PHOTO CONTROL: NONE

CATALOG NO.: EPAS-02-0-05-D-40-1-D-B-A-BLCK

LIGHT POLE SPECIFICATIONS
 MANUFACTURER: SPRING CITY
 STYLE: RADNOR
 BASE: 10 1/8" DIAMETER
 HEIGHT: 16'
 MATERIAL: CAST ALUMINUM ALLOY ANSI 356 PER A.S.T.M. B26-95
 SHAFT: EXTRUDED SHAFT - 4" STRAIGHT - ALUMINUM TUBE ALLOY 6063
 FINISH: POWDERCOAT - RAL#8022 (FLAT BLACK)
 GROUND STUD PROVISIONS: DRILL AND TAP INSIDE WALL OF BASE OPPOSITE ACCESS DOOR TO ACCOMMODATE A 1/4"-20 GROUND STUD (STUD SUPPLIED BY OTHERS)
 ANCHOR BOLTS: (4) 3/4" DIA. X 17" LONG + 3" HOOK (FULLY GALVANIZED WITH 1 GALVANIZED NUT AND 1 GALVANIZED WASHER PER BOLT)
 BOLT PROJECTION: 2" REQUIRED
 TENON: 3" DIA. X 3" HIGH
 CATALOG NO.: APSRDX-10-16.00-E4-TN3.00-___-CU



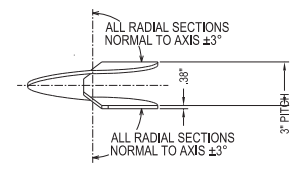
BASE PLATE DETAIL



METAL HELIX FOUNDATION DETAIL

- FINISH: HOT DIP GALVANIZE PER ASTM-A153 (LATEST REVISION).
- BASEPLATE TO BE PERPENDICULAR TO SHAFT AXIS ($\pm 1^\circ$) AND HOLE CENTERLINE CONCENTRIC ($\pm .188$) TO SHAFT AXIS.
- STENCIL MIN. 1/2 IN. LETTERS MANUFACTURER'S NUMBER AFTER GALVANIZING.
- FLAME CUT TWO SLOTS IN SHAFT PERPENDICULAR TO THE BASEPLATE.
- PREHEAT, TUMBLEBLAST, HANDGRIND, AND CLEAN BASEPLATE, HELIX, AND PILOT POINT ON ALL WELDED AREAS.
- FLAMECUT IRREGULARITIES PERMISSIBLE:
 - VALLEYS NOT TO EXCEED 3/32 IN. BELOW NOMINAL SURFACE LEVEL.
 - PEAKS OR POSITIVE IRREGULARITIES NOT TO EXCEED 1/32 IN. ABOVE NOMINAL SURFACE LEVEL OR INTERSECTIONS OF NOMINAL SURFACES.
- MANUFACTURER TO HAVE IN EFFECT INDUSTRY RECOGNIZED WRITTEN QUALITY CONTROL FOR ALL MATERIALS AND MANUFACTURING PROCESSES.
- ALL MATERIAL IS TO BE NEW, UNUSED AND MILL TRACEABLE MEETING THE FOLLOWING SPECIFICATIONS:
 - BASEPLATE: ASTM A36-(LATEST REVISION) HOT ROLLED STEEL
 - PLATE SHAFT: STEEL TUBING, PER ASTM 500 GRADE B STRUCTURAL.
 - HELIX: ASTM A635-(LATEST REVISION) 3/8" THICK HOT ROLLED STEEL PLATE OR COIL.
- BASEPLATE PERMANENTLY MARKED TO INDICATE CABLEWAY OPENINGS IN SHAFT.

- INCLUDE HARDWARE PACKAGE:
- (4) .75"x3.5" SAE J429 GR.5 GALV. CARRIAGE BOLTS
 - (4) ROUND FLAT WASHERS
 - (4) .75" NUTS
 - (4) LOCK WASHERS
 - (4) RETAINING WASHERS



HELIX MUST BE FORMED BY MATCHING METAL DIE (SIDE VIEW OF TRUE HELICAL FORM)



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	DRAWN - KAR	REVISED -
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PLOT DATE = 11/10/2021	DATE - 11-03-21	FILE - 130899_SHT-Light_Details.dgn

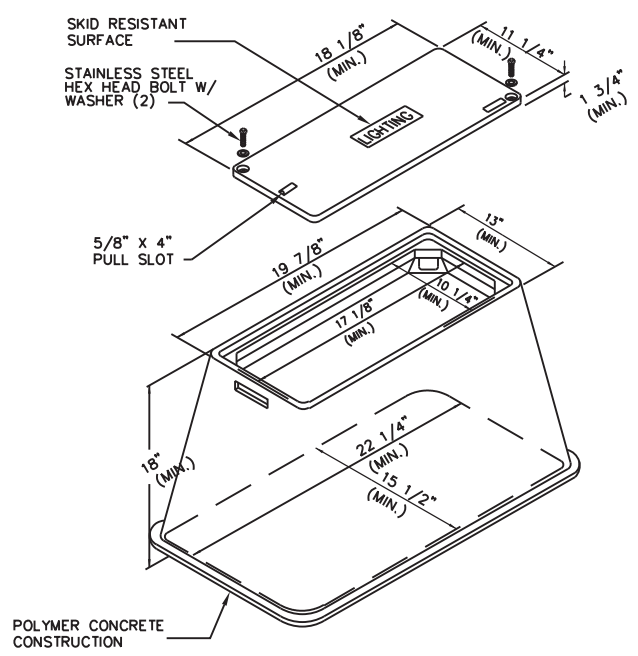
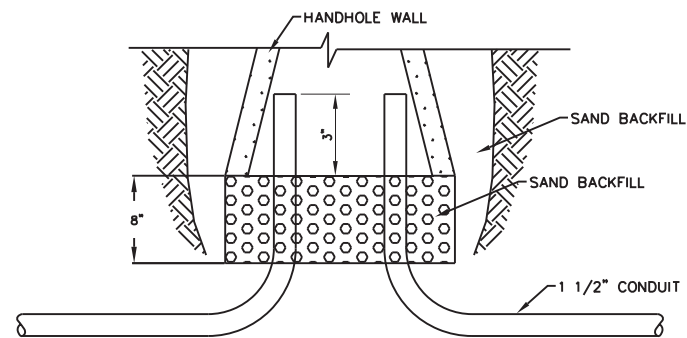
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

STREET LIGHTING DETAILS

SCALE: NTS SHEET 2 OF 3 SHEETS STA. TO STA.

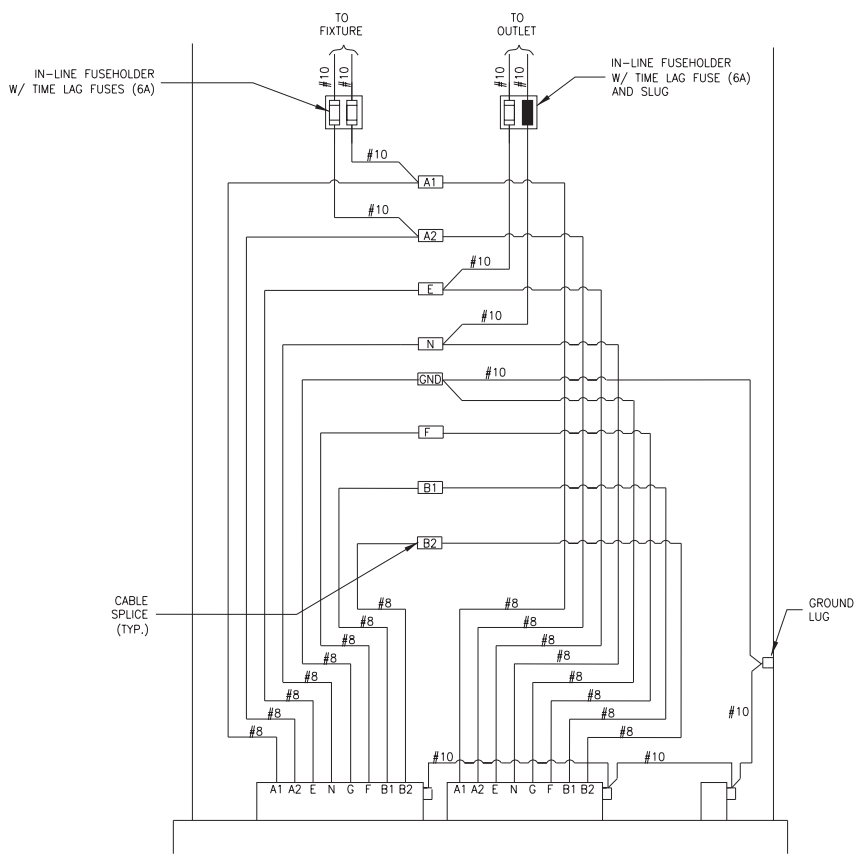
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423	15-00020-00-FP	WILL	117	82
CONTRACT NO. 61H26				
ILLINOIS FED. AID PROJECT NIW7(436)				

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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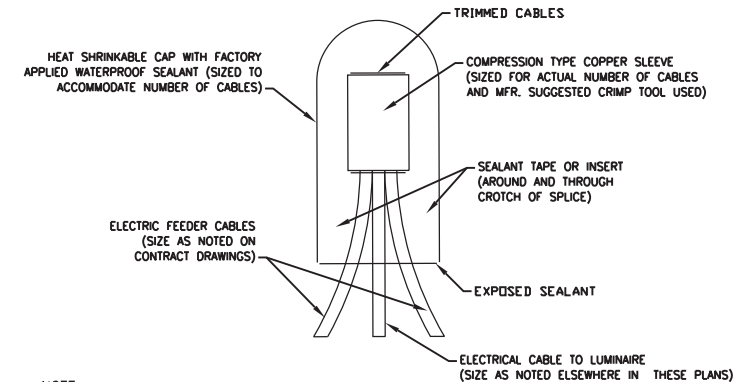
HANDHOLE - ELECTRICAL
NO SCALE

NOTE:
1. SEAL ALL CONDUITS IN HANDHOLE.



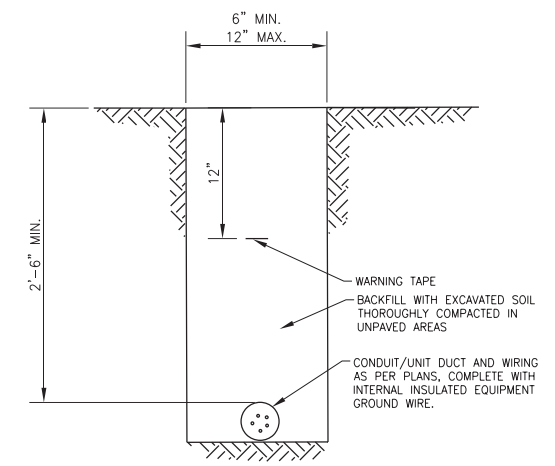
POLE BASE WIRING DETAIL
NO SCALE

NOTE: ALTERNATE PHASE CIRCUITING OF FESTOONS AND LUMINAIRES AS SHOWN ON PLANS.



NOTE:
NUMBER OF CABLES IN SPLICE MAY VARY.

SPlicing ELECTRICAL CABLES BASIC MATERIALS AND METHODS
NO SCALE



TYPICAL WIRING IN TRENCH DETAIL
NO SCALE

BAXTER & WOODMAN Consulting Engineers	USER NAME = ccode	DESIGNED - CAC	REVISED -
	PLOT SCALE = 20.0000 ' / in.	DRAWN - KAR	REVISED -
	PLOT DATE = 11/10/2021	CHECKED - TMS	REVISED -
		DATE - 11-03-21	FILE - 130899_SHT-Light_Details.dgn

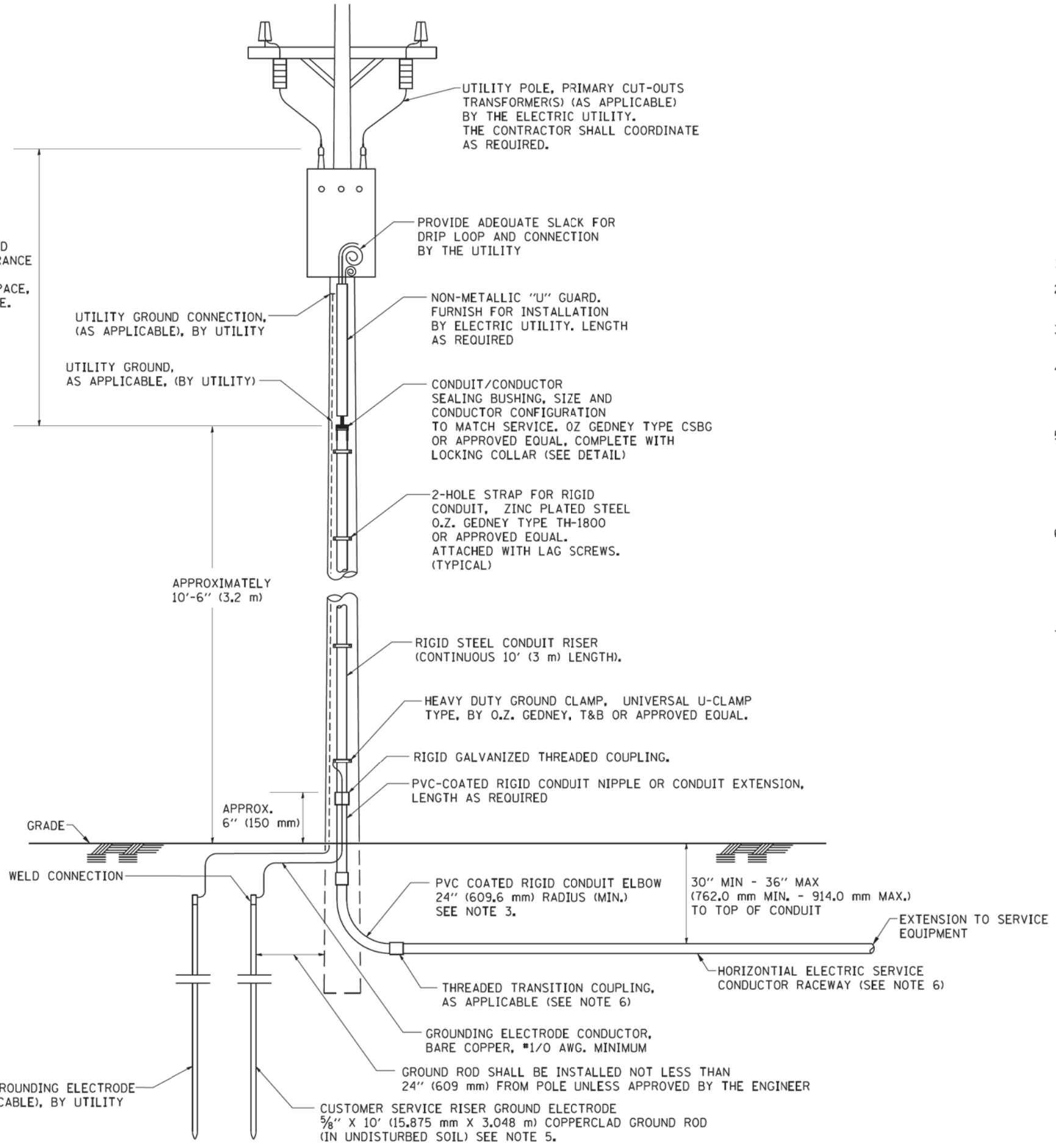
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STREET LIGHTING DETAILS

SCALE: NTS SHEET 3 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	83
CONTRACT NO. 61H26				
		ILLINOIS	FED. AID PROJECT	NIW7(436)

ASCERTAIN AND ASSURE CLEARANCE FROM UTILITY SECONDARY SPACE, AS APPLICABLE.

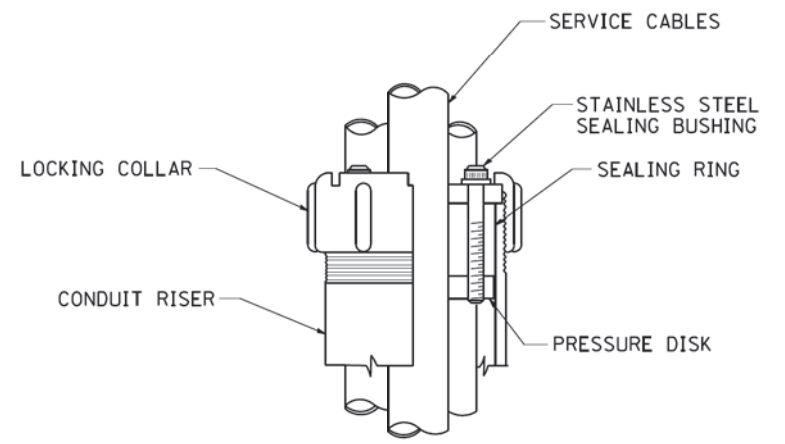


APPLICATION

THIS DETAIL APPLIES FOR LOW VOLTAGE ELECTRIC SERVICE (660 V OR LESS) FROM AN OVERHEAD UTILITY SUPPLY TO SEPERATLY-MOUNTED SERVICE EQUIPMENT.

NOTES

- SERVICE VOLTAGE SHALL BE AS INDICATED ELSEWHERE IN THE DRAWINGS.
- UNLESS OTHERWISE INDICATED, ITEMS AND WORK SHALL BE INCLUDED AND PAID AS PART OF THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.
- CONDUIT AND CONNECTOR DIAMETER SHALL MATCH THE DIAMETER OF THE SERVICE CONDUCTOR RACEWAY AS INDICATED ON THE PLANS.
- PVC COATED RACEWAYS AND ACCESSORIES SHALL BE CAREFULLY INSTALLED WITH MFR RECOMMENDED TOOLS AND PROCEDURES TO AVOID DAMAGE. ANY DAMAGE SHALL BE REPAIRED WITH COMPATIBLE PVC TOUCH-UP MATERIAL TO THE SATISFACTION OF THE ENGINEER OR THE DAMAGED MATERIAL SHALL BE REPLACED AT NO ADDITIONAL COST.
- THE CONTRACTOR SHALL OBTAIN INSPECTION AND APPROVAL BY THE ENGINEER OF SERVICE RISER GROUND ELECTRODE, RISER ELBOW, NIPPLE AND CONNECTION TO SERVICE CONDUCTOR RACEWAY EXTENSION BEFORE BACKFILL AND SHALL ALSO OBTAIN INSPECTION OF SERVICE RISER AND SEALING BUSHING BEFORE UTILITY "U" GUARD INSTALLATION AND SERVICE CONNECTION.
- THE HORIZONTAL ELECTRIC SERVICE CONDUCTOR RACEWAY SHALL BE AS INDICATED AND SHALL BE MEASURED SEPARATELY FOR PAYMENT. WHEN THE RACEWAY IS PVC-COATED RIGID GALVANIZED STEEL, THE COUPLING SHALL BE THE SAME. WHEN THE RACEWAY IS PVC CONDUIT (IN CONCRETE), THE COUPLING SHALL BE A METALIC TO NON METALIC ADAPTER. WHEN THE RACEWAY IS ENCASED IN CONCRETE, THE CONCRETE SHALL EXTEND TO COVER THE COUPLING.
- PLANS AND DETAILS INDICATE THE GENERAL NATURE AND REQUIREMENTS. THEY DO NOT SHOW EVERY ACCESSORY AND ATTACHMENT, AND THEY DO NOT RELIEVE THE CONTRACTOR OF THE REQUIREMENTS OF THE SPECIFICATIONS AND SPECIAL PROVISIONS TO ASCERTAIN UTILITY REQUIREMENTS AND TO COORDINATE ACCORDINGLY, FURNISHING ALL ITEMS AND WORK NOT PROVIDED BY THE UTILITY, BUT NECESSARY FOR A COMPLETE SERVICE INSTALLATION IS REQUIRED AND SHALL BE INCLUDED IN THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.



SEALING BUSHING DETAIL

COPYRIGHT © 2009 BY BAXTER & WOODMAN, INC.
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 PROJECT NO. - 15-00020-00-FP
 DATE - 1/4/2008
 PROJECT NAME - ILLINOIS FEDERAL AID PROJECT NJW7(436)
 FILE NAME - W:\diststa\22x34\be228.dgn
 USER NAME - geglennobt
 DESIGNED -
 DRAWN -
 CHECKED - MEA
 DATE -
 REVISED - 03-03-06
 REVISED -
 REVISED -
 REVISED -
 STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
 ELECTRIC SERVICE INSTALLATION AERIAL, REMOTE DISCONNECT
 F.A. RTE. 423 SECTION 15-00020-00-FP COUNTY WILL TOTAL SHEETS 117 SHEET NO. 84
 BE-220 CONTRACT NO. 61H26
 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT NJW7(436)

FILE NAME =	USER NAME = geglennobt	DESIGNED -	REVISED - 03-03-06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ELECTRIC SERVICE INSTALLATION AERIAL, REMOTE DISCONNECT		F.A. RTE. 423	SECTION 15-00020-00-FP	COUNTY WILL	TOTAL SHEETS 117	SHEET NO. 84	
W:\diststa\22x34\be228.dgn		DRAWN -	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	BE-220		CONTRACT NO. 61H26		
PLOT SCALE = 50.0000' / IN.		CHECKED - MEA	REVISED -									
PLOT DATE = 1/4/2008		DATE -	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT NJW7(436)							

Benchmark: RR Spike in north side of power pole, SW of bridge. Elev. 706.79

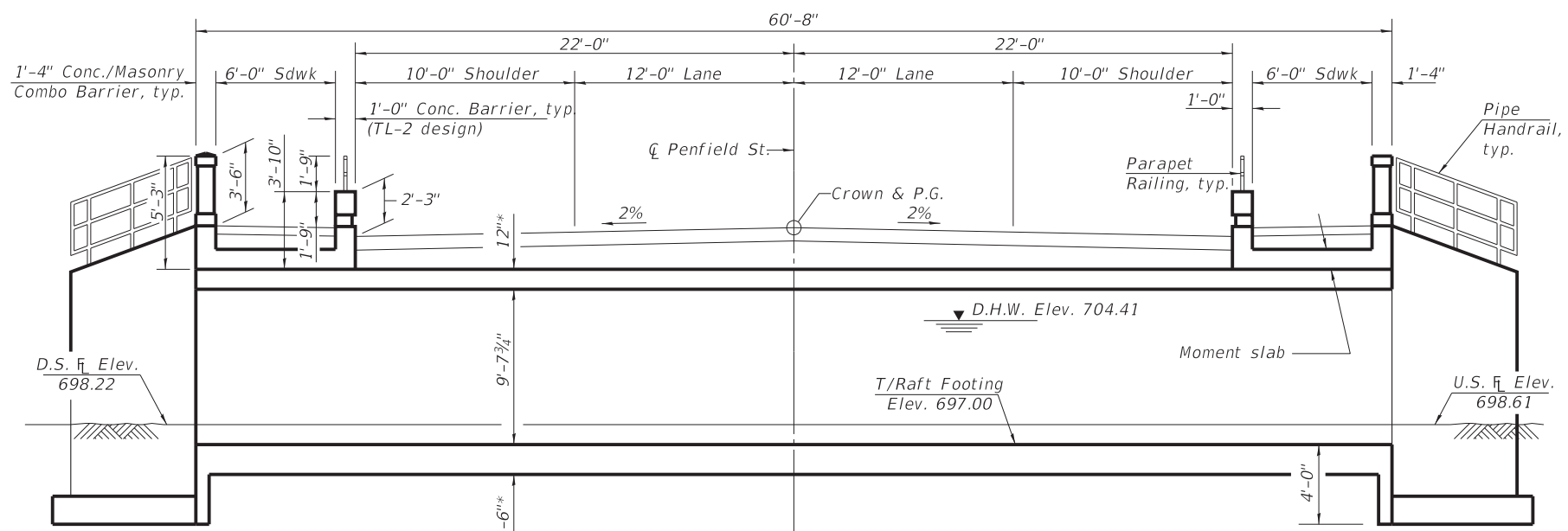
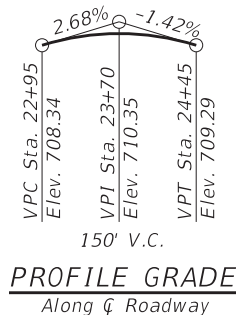
Existing Structure: Single-span concrete slab, 26' out to out width and 14.5' clear span. Closed concrete abutments on spread footings. Brick/concrete parapets. Structure to be removed and replaced. Traffic to be detoured during construction.

Salvage: Existing aluminum pedestrian bridge on north side shall be removed intact and relocated onto Village property approximately 600 feet to the north. The bridge shall be set on timber or concrete blocking at a location to be determined by Village staff. Cost of bridge salvage and relocation shall be included with the cost of Removal of Existing Structures.

WATERWAY INFORMATION

Drainage Area = 1.81 Sq Miles		Low Grade Elev. 707.82 @ Sta. 23+89							
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist. Prop.	Nat. H.W.E.	Head - Ft. Exist. Prop.	Headwater El. Exist. Prop.			
Design	10	304	65 111	703.61	0.39 0.03	704.00 703.64			
Base	30	418	76 129	704.41	0.54 0.05	704.95 704.46			
Overtopping	100	542	85 144	705.10	0.73 0.07	705.83 705.17			
Max. Calc.	500	710	94 161	705.89	1.02 0.11	706.91 706.00			

2-yr Q = 137 CFS



LONGITUDINAL SECTION
(Horiz. dims at rt. Z's to \bar{C} Penfield Street)

* Slab and wall thickness and shape may vary as per manufacturer's design.

DESIGN SPECIFICATIONS
2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

DESIGN STRESSES

- FIELD UNITS**
 $f'_c = 3,500$ psi
 $f'_c = 4,000$ psi (Concrete Superstructure)
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 50,000$ psi (M270 Grade 50)
- PRECAST UNITS**
 $f'_c = 5,000$ psi
 $f_y = 60,000$ psi (Reinforcement Bars)
 $f_y = 65,000$ psi (Welded Wire Fabric)

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
 Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.110g
 Design Spectral Acceleration at 0.2 sec. (S_{D5}) = 0.149g
 Soil Site Class = D

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface

INDEX OF SHEETS

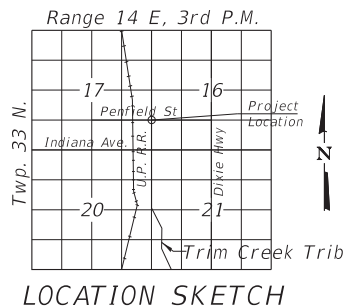
- General Plan
- Three-Sided Precast Concrete Structure
- Moment Slab Details
- Concrete Barrier Details
- Concrete / Masonry Combination Barrier Details
- Railing Details
- Boring Logs
- Boring Logs

TRIM CREEK TRIBUTARY
 BUILT 20__ BY
 CITY OF BEECHER
 SEC. 15-00020-00-FP
 F.A.U. RT. 423 STA. 23+74.30
 STR. NO. 099-6151 LOADING HL-93

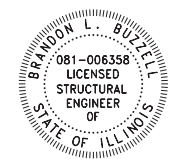
NAME PLATE
See Std. 515001

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Stone Riprap, Class A4	Sq Yd	96
Filter Fabric	Sq Yd	96
Fabric Formed Concrete Revetment Mat	Sq Yd	65
Removal of Existing Structures	Each	1
Concrete Superstructure	Cu Yd	26.0
Protective Coat	Sq Yd	93
Reinforcement Bars, Epoxy Coated	Pound	7,240
Pipe Handrail	Foot	70
Parapet Railing	Foot	48
Name Plates	Each	1
Geocomposite Wall Drain	Sq Yd	127
Membrane Waterproofing System for Buried Structures	Sq Yd	127
Brick Facade	Sq Ft	72
Three-Sided Precast Concrete Structures (Special) 22 Ft.	Foot	61



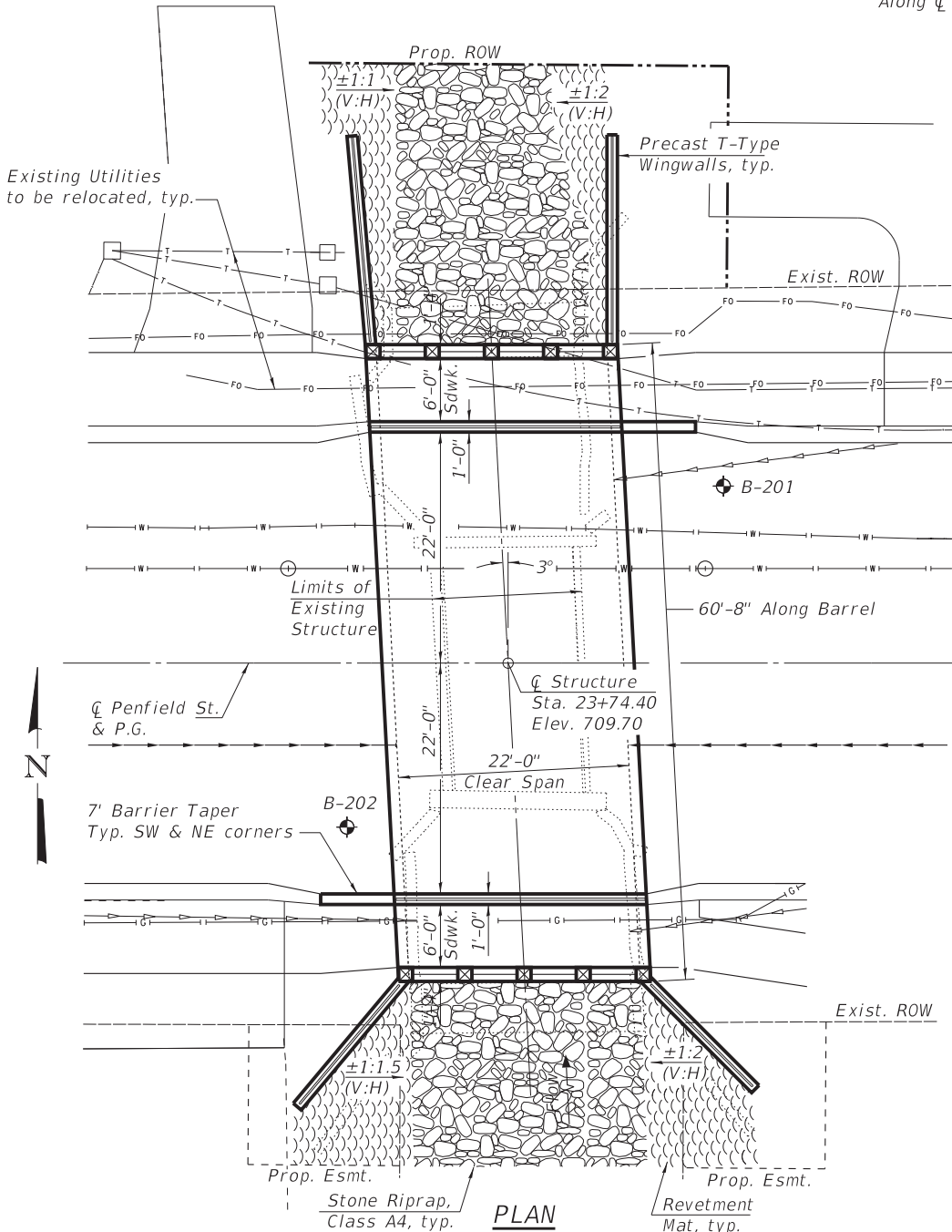
LOCATION SKETCH



DATE: 10/6/2022
 LICENSE EXPIRES 11/30/23

This seal only pertains to the design and detailing of Moment Slab, Conc. Barrier, Conc./Masonry Combo Barrier and Parapet Railing. The design of all other structural components is the responsibility of the Contractor's engineer in accordance with Special Provision Three Sided Precast Concrete Structure (Special).

GENERAL PLAN
PENFIELD STREET OVER
TRIM CREEK TRIBUTARY
SEC. 15-00020-00-FP
WILL COUNTY
STATION 23+74.40
STRUCTURE NO. 099-6151



PLAN

GENERAL NOTES

See Special Provision for Three-Sided Precast Concrete Structures for design and construction requirements.

Reinforcement bars designated (E) shall be epoxy coated.

Removal of Existing Structures shall include removal of existing highway bridge, two adjacent pedestrian bridges, and connecting retaining walls.

The Contractor shall obtain a construction permit from the Illinois Department of Natural Resources (IDNR), Office of Water Resources for any temporary construction activity placed in the water. This shall include the placement of material for run-arounds, causeways, cofferdams, etc. Any permit application by the Contractor shall refer to the IDNR 3704 Floodway Construction permit number allowing permanent construction as shown in the contract plans.

Layout of the slope protection systems may be varied to suit ground conditions in the field as directed by the Engineer.

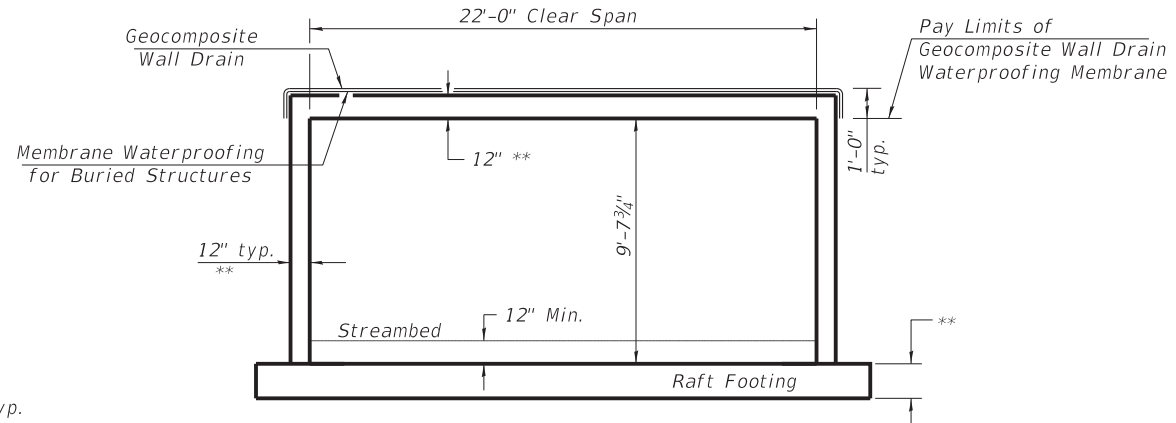
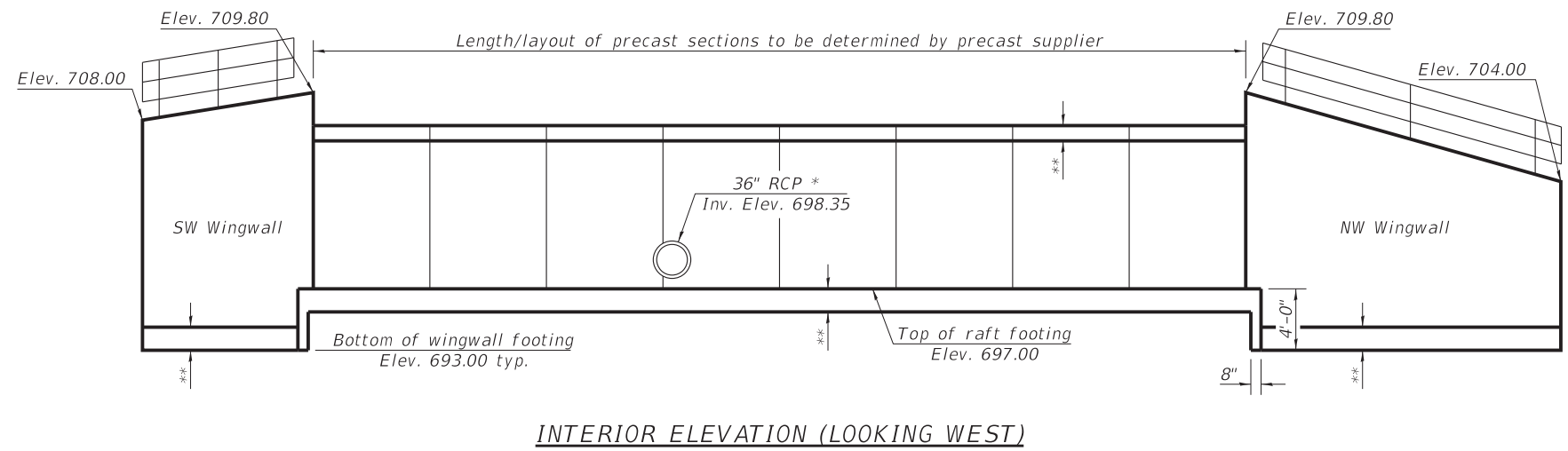
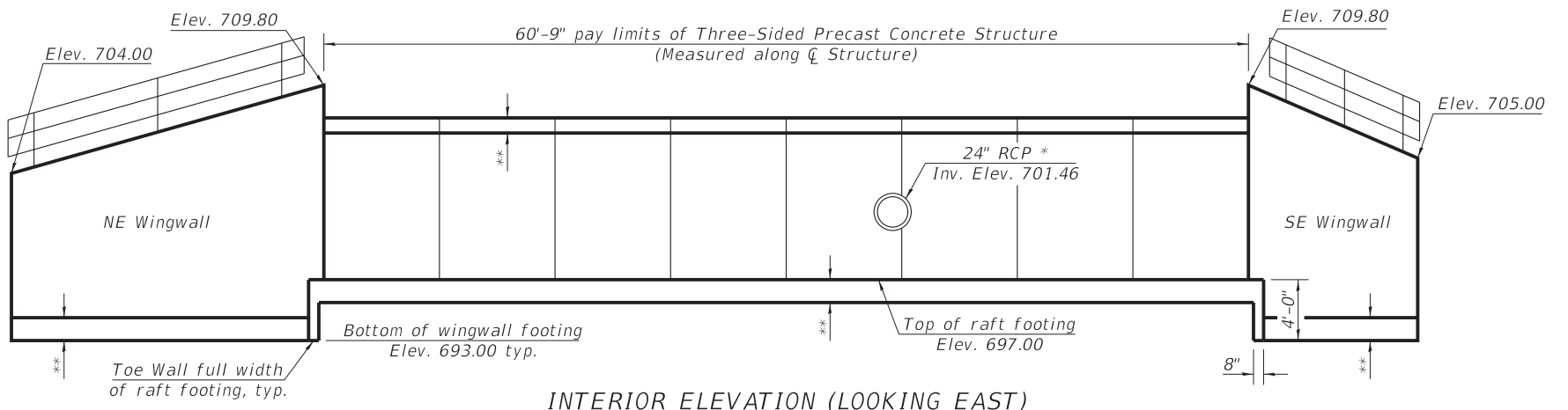
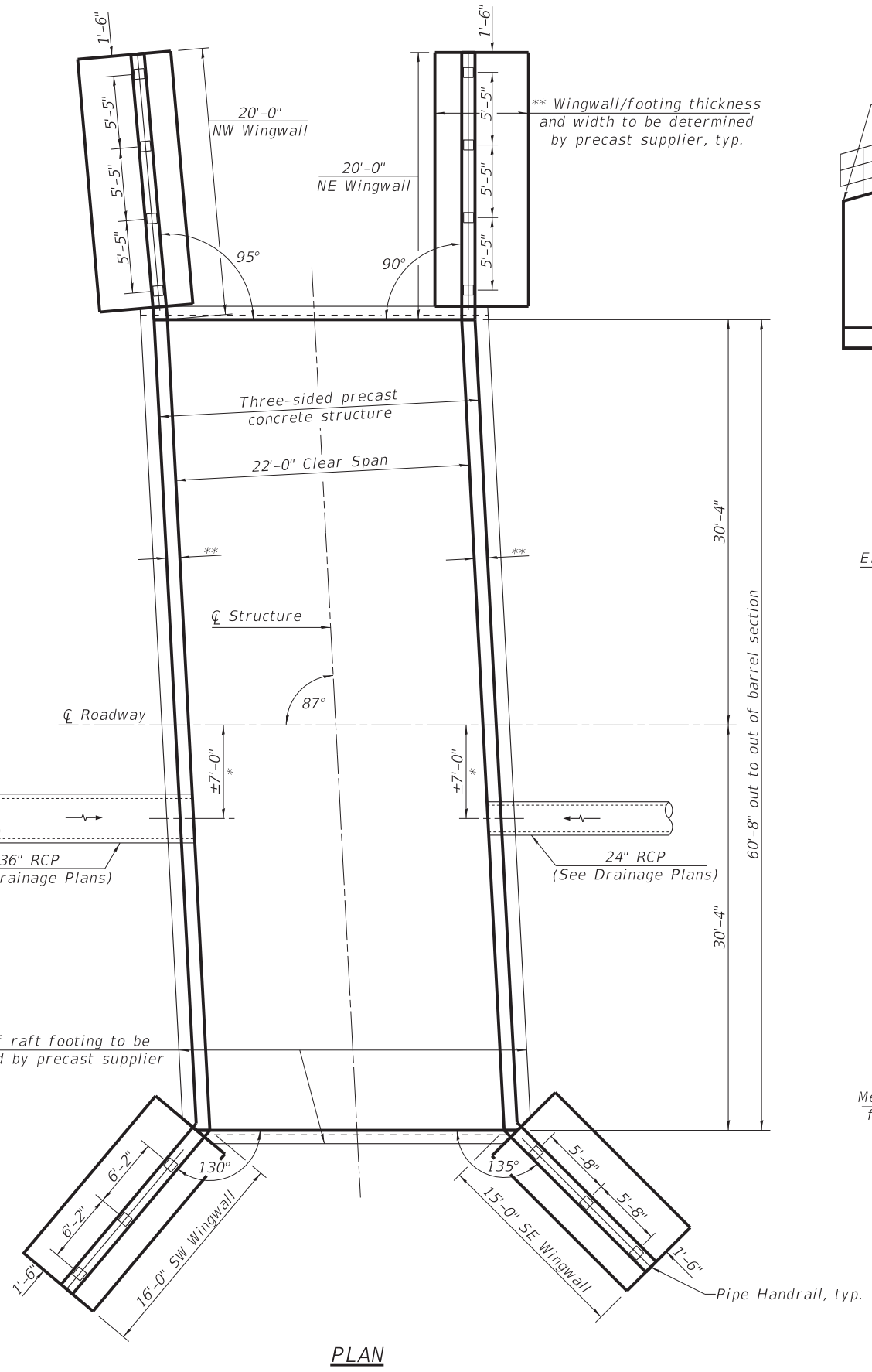
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE NO. 099-6151
GENERAL PLAN

SHEET 1 OF 8 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	85
CONTRACT NO. 61H26				
ILLINOIS FED. AID PROJECT			NW7(436)	

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* Contractor shall coordinate locations of precast segments with storm sewer locations. Offset of storm sewers may be adjusted slightly to accommodate precast joint locations.

** Dimensions to be determined by precast supplier. Moment slab and barrier dimensions are based on assumed slab and side wall thicknesses shown, and shall be adjusted according to actual dimensions as provided by the precast supplier.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Three-Sided Precast Concrete Structures (Special) 22 Ft	Foot	61

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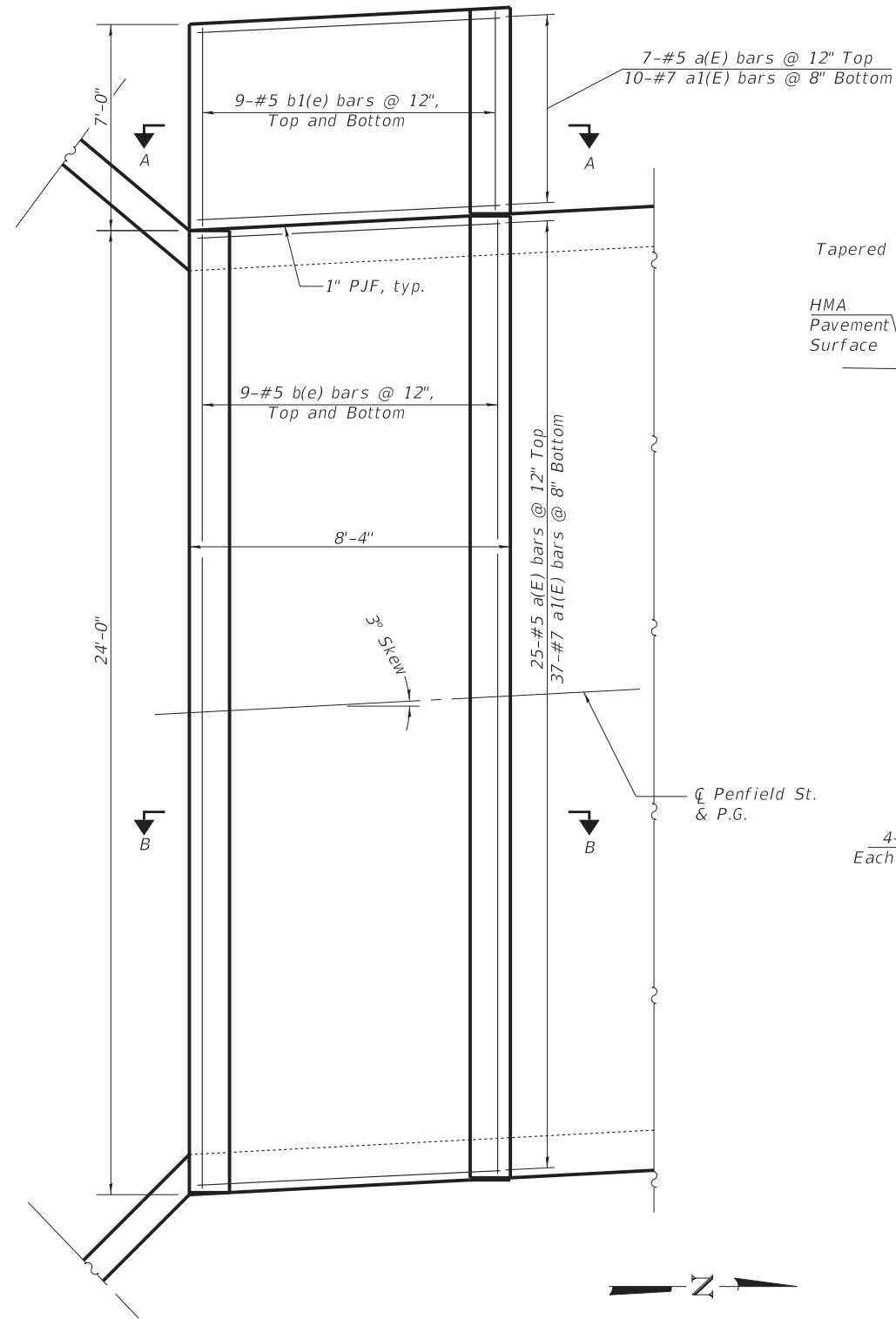
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

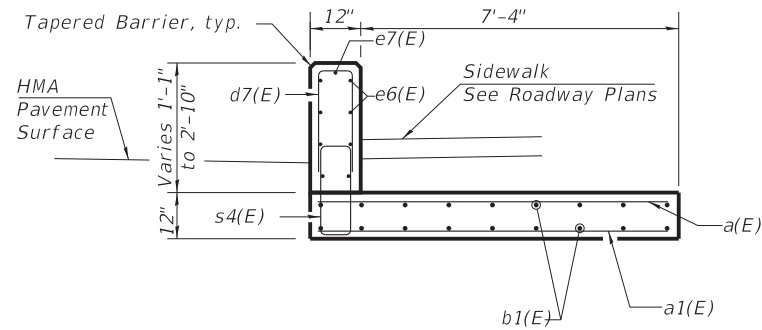
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THREE SIDED STRUCTURE**

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ILLINOIS FED. AID PROJECT NJW7(436)				

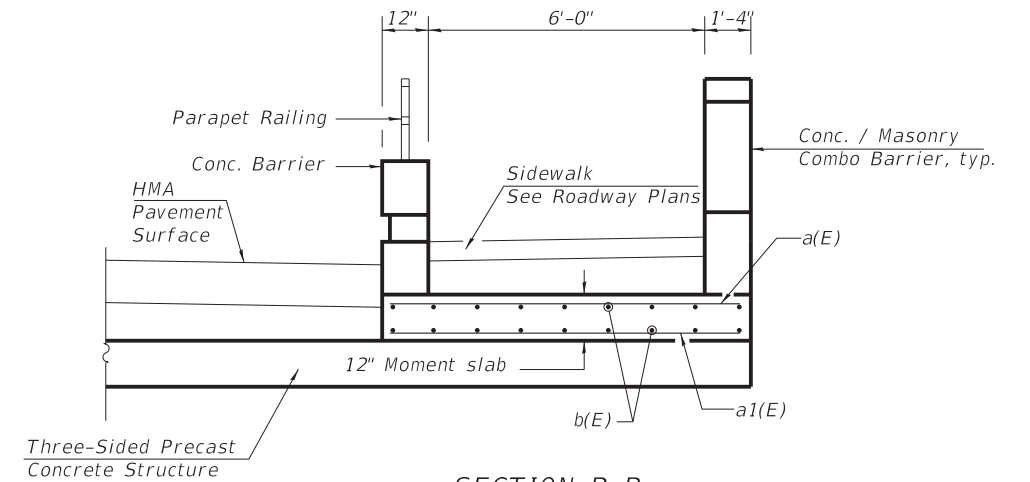
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MOMENT SLAB PLAN
 (Showing South - North Similar)

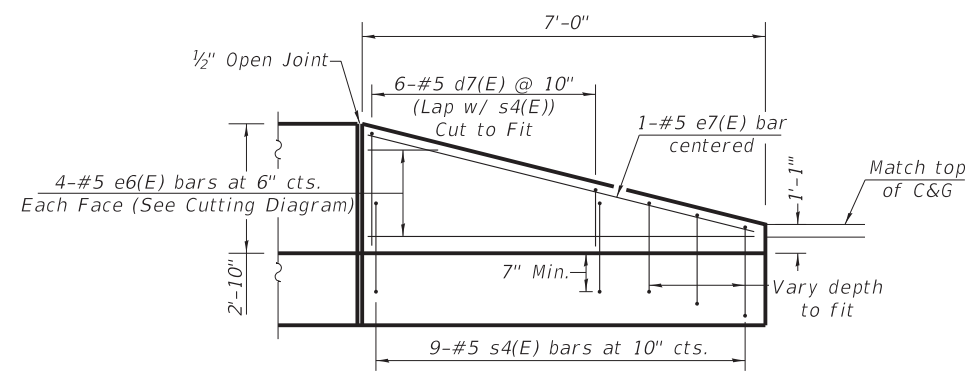


SECTION A-A

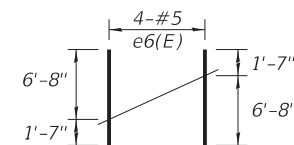


SECTION B-B

Note: Barrier reinforcing not shown. See Sheets 4 & 5 of 8.



TAPERED BARRIER ELEVATION
 (Typ. 2 Locations)



CUTTING DIAGRAM
 Cut bars along line and use half in each face

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	64	#5	8'-0"	—
a1(E)	94	#7	8'-0"	—
b(E)	36	#5	23'-8"	—
b1(E)	72	#5	6'-8"	—
d(E)	4	#7	3'-8"	┌
d1(E)	52	#4	4'-2"	┌
d2(E)	52	#7	8'-7"	┌
d3(E)	28	#4	4'-9"	┌
d4(E)	40	#6	5'-0"	┌
d5(E)	56	#5	5'-7"	┌
d6(E)	20	#4	4'-7"	┌
d7(E)	24	#5	5'-2"	┌
e(E)	24	#5	6'-9"	┌
e1(E)	8	#4	21'-0"	—
e2(E)	12	#6	20'-2"	—
e3(E)	16	#3	4'-6"	┌
e4(E)	6	#4	23'-8"	—
e5(E)	22	#5	23'-8"	—
e6(E)	8	#5	8'-3"	—
e7(E)	2	#5	6'-10"	—
s(E)	72	#3	3'-7"	□
s1(E)	4	#3	4'-7"	□
s2(E)	60	#4	4'-5"	□
s3(E)	56	#3	2'-7"	○
s4(E)	18	#5	5'-7"	□
Concrete Superstructure			Cu Yd	26.0
Reinforcement Bars, Epoxy Coated			Pound	7,240
Brick Facade			Sq Ft	72

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	DRAWN -	REVISED -
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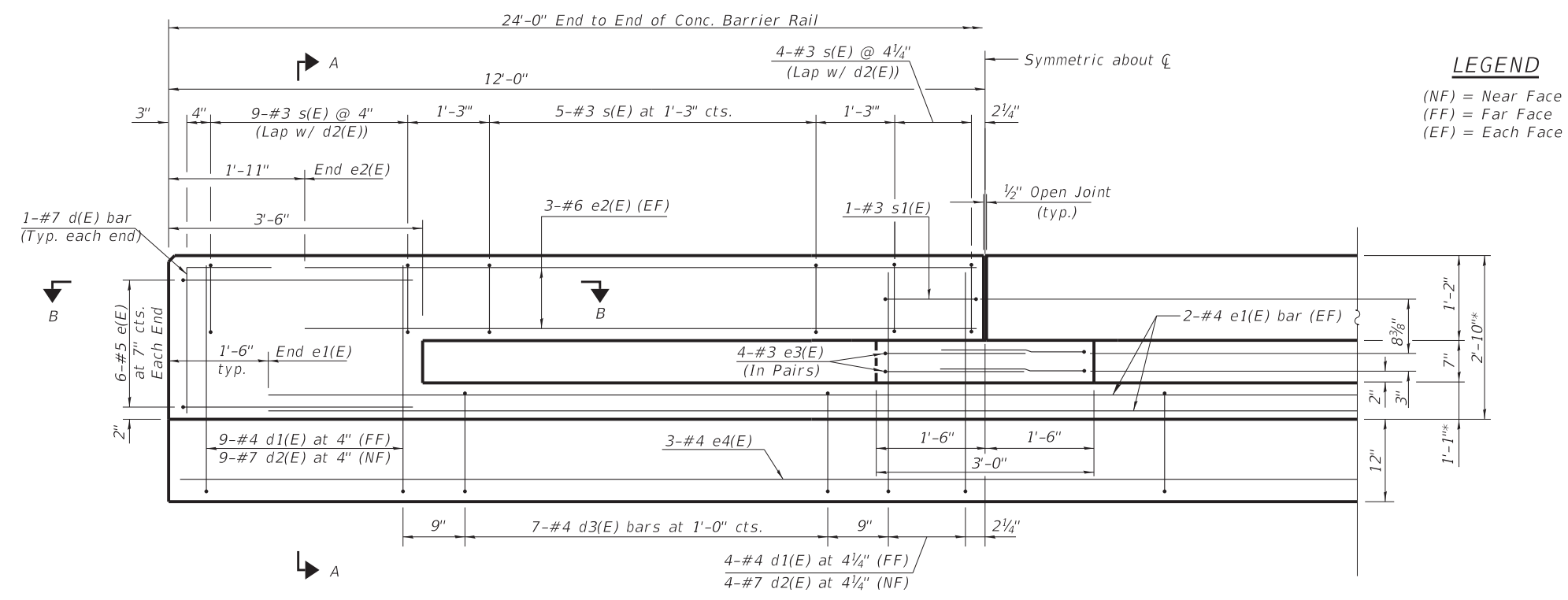
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**STRUCTURE NO. 099-6151
 MOMENT SLAB**

SHEET 3 OF 8 SHEETS

F.A.U. RTE. 423	SECTION 15-00020-00-FP	COUNTY WILL	TOTAL SHEETS 117	SHEET NO. 87
CONTRACT NO. 61H26			ILLINOIS FED. AID PROJECT NJW7(436)	

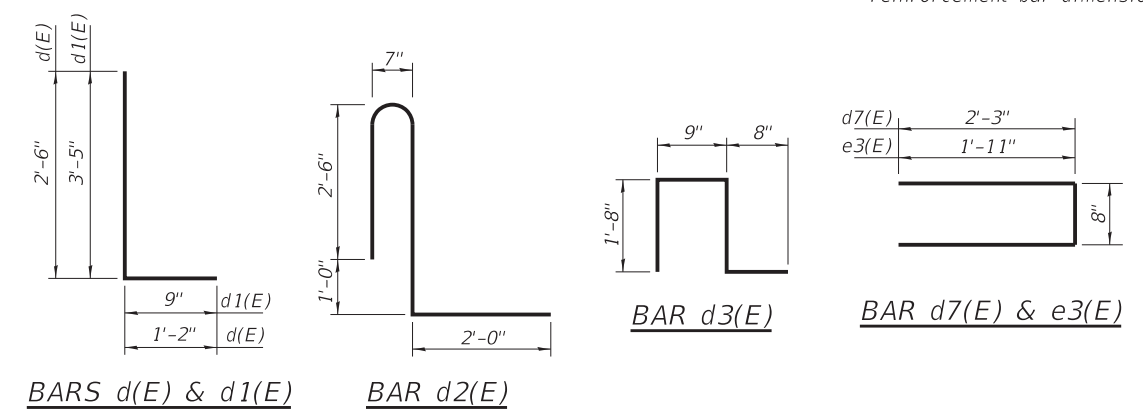
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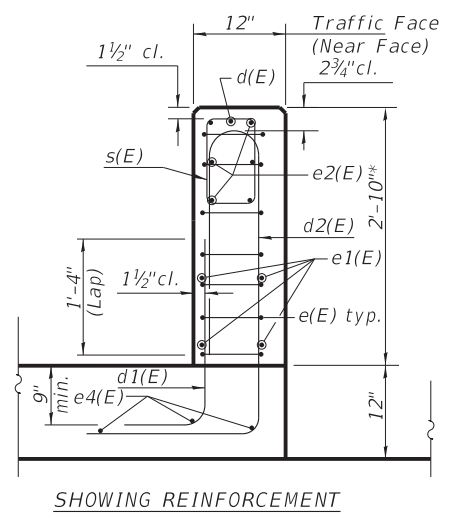
LEGEND
 (NF) = Near Face
 (FF) = Far Face
 (EF) = Each Face

PARTIAL ELEVATION
 (Along Traffic Face)

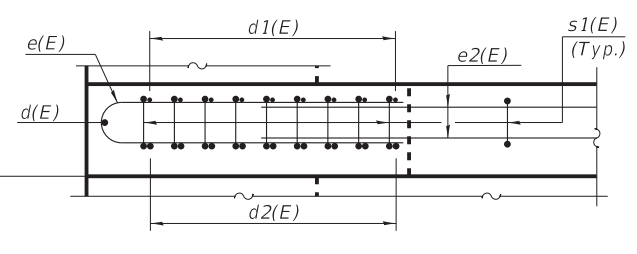
* Based on 12" Three-Sided Precast Concrete Structure top slab. Adjust reinforcement bar dimensions accordingly.



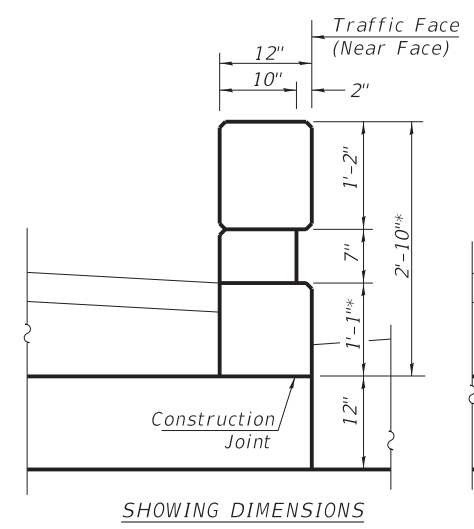
BENDING DIAGRAMS
 (All dimensions are out to out of bars)



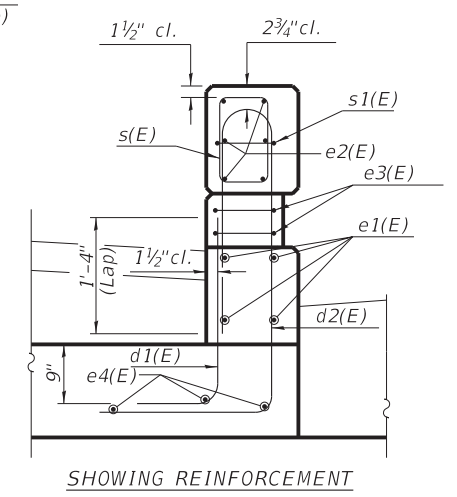
SECTION A-A



SECTION B-B

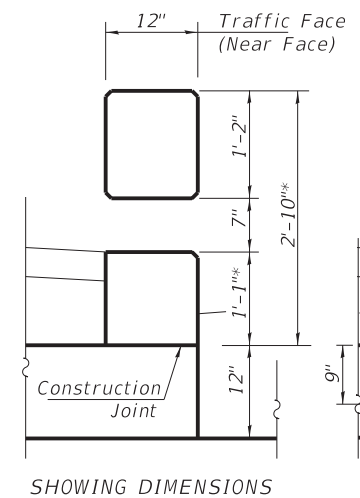


SHOWING DIMENSIONS

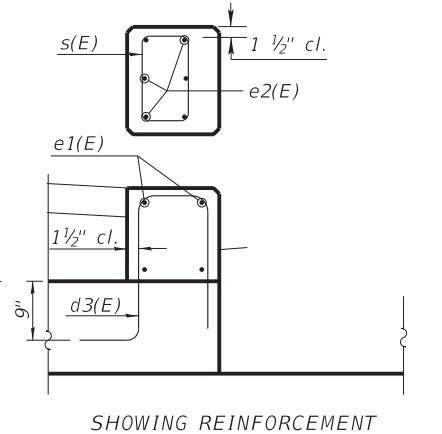


SHOWING REINFORCEMENT

TYPICAL SECTION THRU INTERIOR POST



SHOWING DIMENSIONS



SHOWING REINFORCEMENT

TYPICAL SECTION BETWEEN POSTS

See Sheet 3 of 8 for Bill of Material.

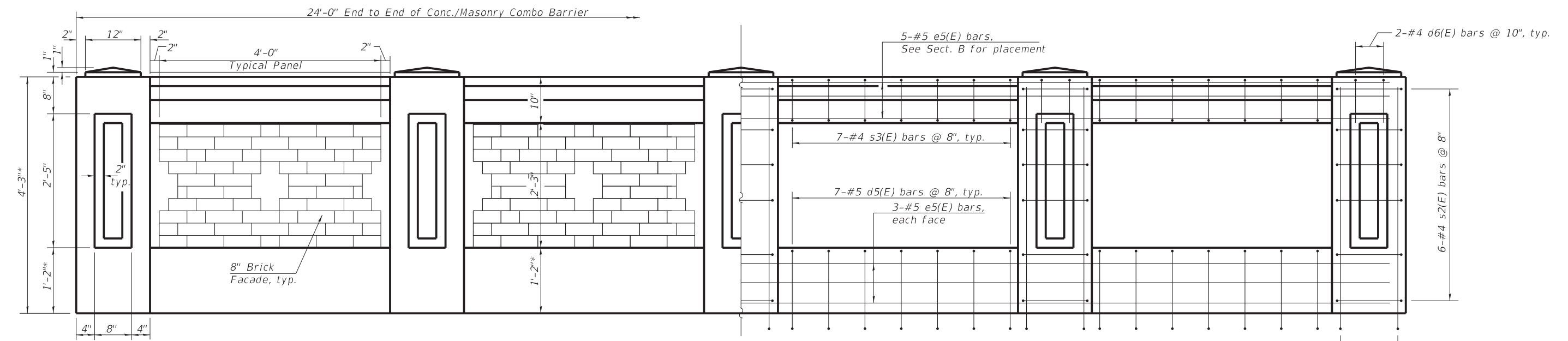
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

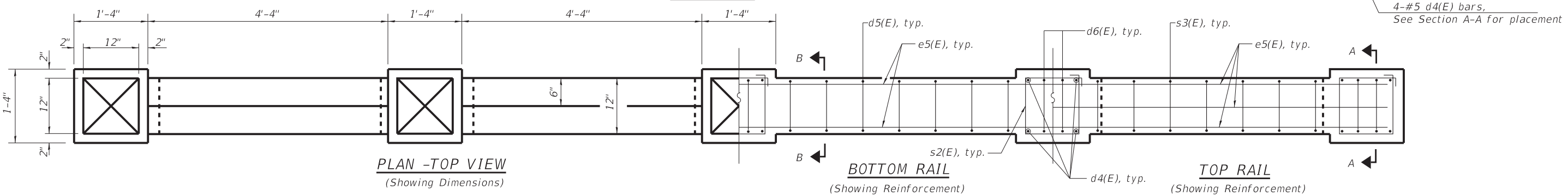
STRUCTURE NO. 099-6151
CONCRETE BARRIER

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 61H26	
		ILLINOIS	FED. AID PROJECT	NJW7(436)

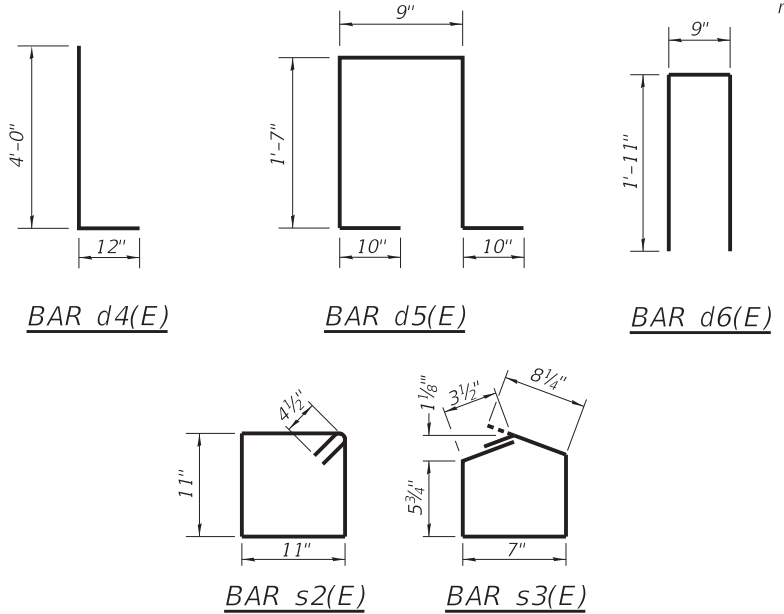
SHEET 4 OF 8 SHEETS



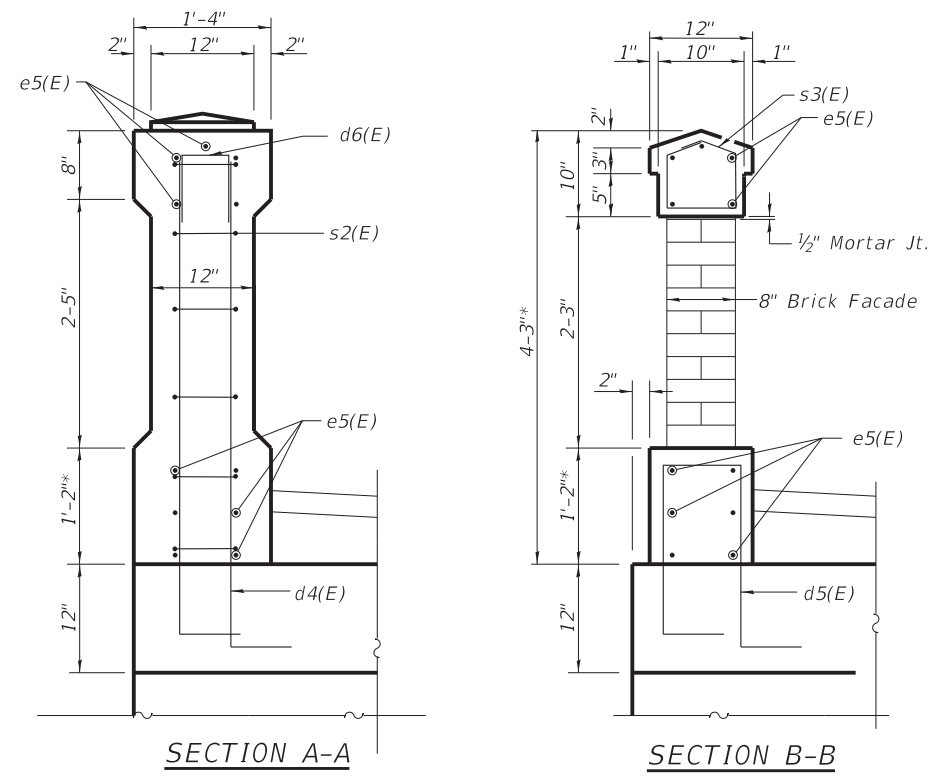
ELEVATION



* Based on 12" Three-Sided Precast Concrete Structure top slab. Adjust reinforcement bar dimensions accordingly.



BENDING DIAGRAMS (All dimensions are out to out of bars)



See Sheet 3 of 8 for Bill of Material.

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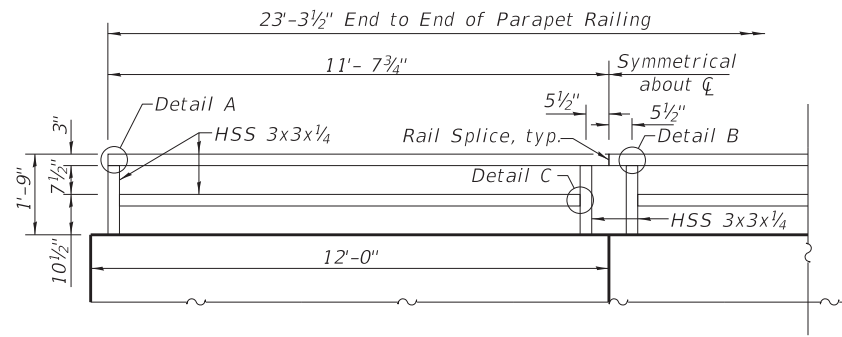
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

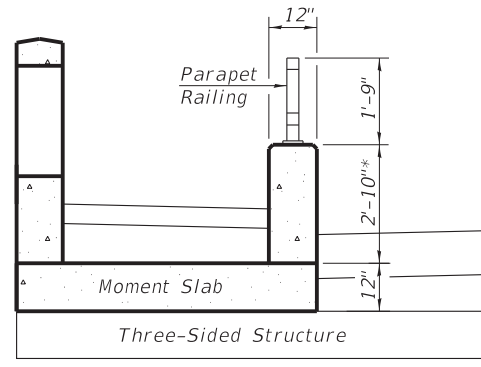
STRUCTURE NO. 099-6151
CONCRETE - MASONRY COMBINATION BARRIER

SHEET 5 OF 8 SHEETS

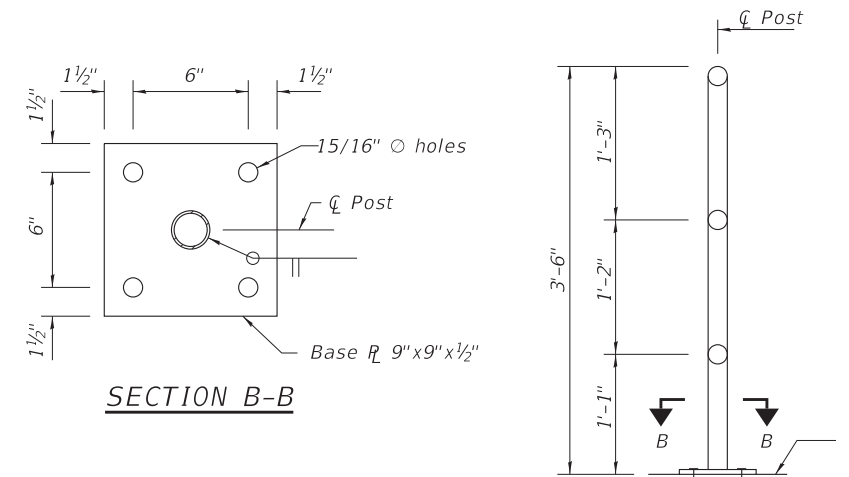
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	89
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61H26	
			NIJ7(436)	



PARAPET RAILING ELEVATION

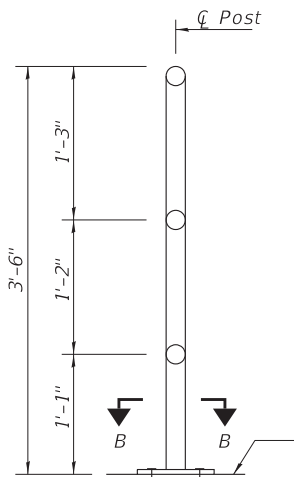


SECTION THRU RAILINGS

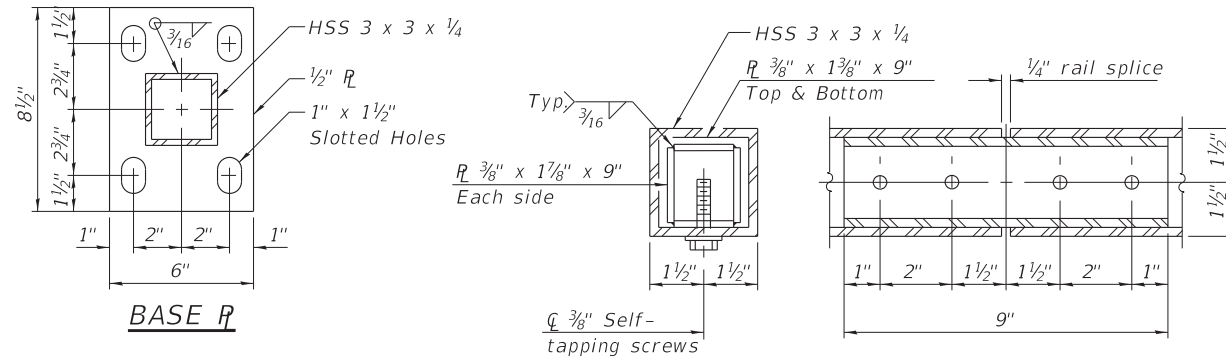


SECTION B-B

3/4" Stainless Steel Anchor Rods with Nut and Washer, typ.

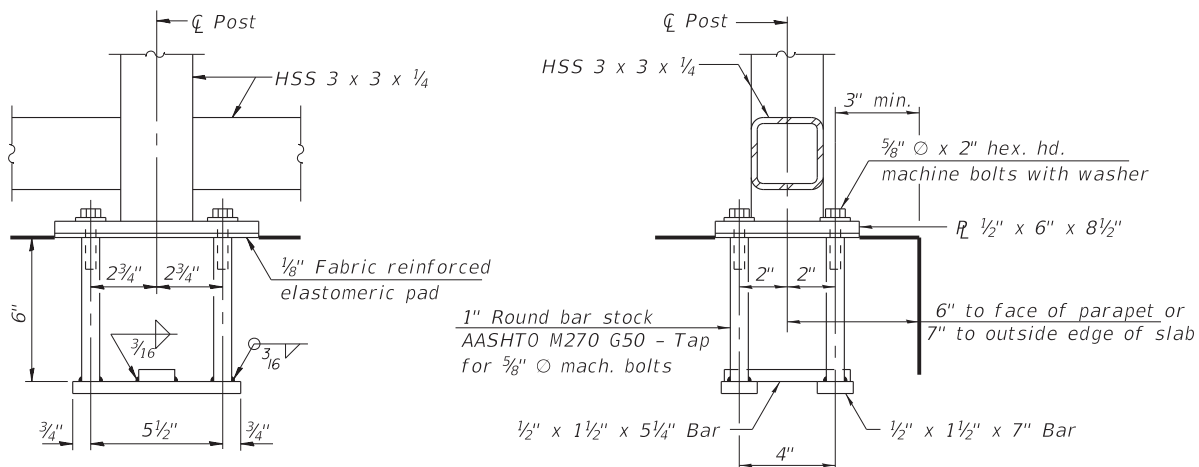


SECTION A-A



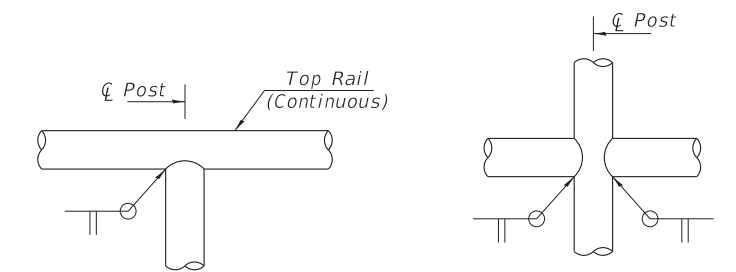
BASE PLATE

RAIL SPLICE



ANCHOR BOLT DETAILS

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" diameter anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.



DETAIL 1

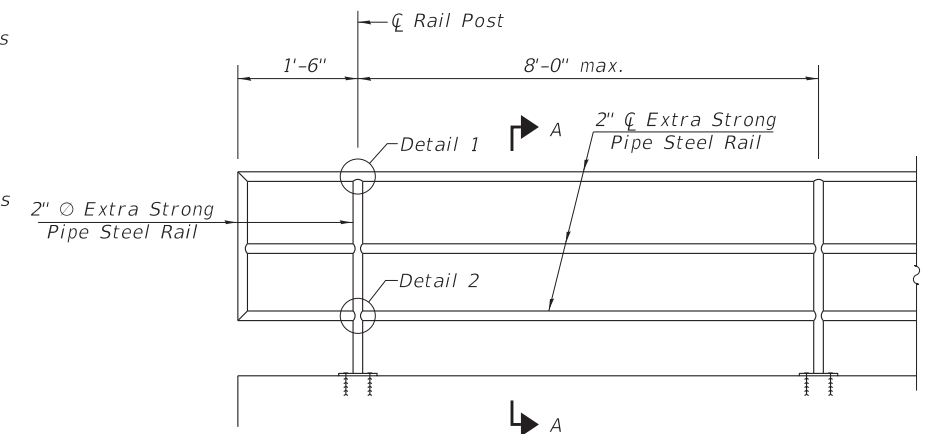
DETAIL 2

NOTES

Railings shall be according to the applicable portions of Section 509 of the Standard Specifications, except as noted, and will be paid for at the contract unit price per foot for Parapet Railing or Pipe Handrail. Hollow structural steel tubing shall conform to the requirements of ASTM designation A 500, Grade B, structural steel tubing. Hollow steel pipes shall conform to the requirements of ASTM A53 and shall be "standard weight". All other steel shapes and plates shall conform to the requirements of AASHTO M 270 Grade 36. All post, railing, splices, anchor devices, and bent plates shall be painted using the Organic Zinc Rich Primer / Epoxy / Urethane Paint System. The color of the final finish coat shall be matte black.

BILL OF MATERIAL

Item	Unit	Quantity
Pipe Handrail	Foot	70
Parapet Railing	Foot	48



PIPE HANDRAIL ELEVATION

Adjust angle of base plates and pipe connections to match slope of precast concrete wingwalls. Coordinate slopes and post anchor locations with precast supplier.

MODEL: Default
FILE NAME: \\corp.baxwood.com\Projects\Azure\BEECH\130899-Perfield - Street\CADD\Phase II - Sheets\Structural\6 - Railing Details.dgn

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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STRUCTURE NO. 099-6151
RAILING DETAILS**

SHEET 6 OF 8 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	90
CONTRACT NO. 61H26				
ILLINOIS		FED. AID PROJECT	NIW7(436)	

SMC SOIL AND MATERIAL CONSULTANTS, INC. File No. 21916 **BORING LOG** 201
 Client: Baxter & Woodman, Inc. Sheet 1 of 3
 Project: Penfield Street Trim Creek Culvert Date: 12/29/16
 Location: Beecher, IL Drilled By: AC
 Equipment: CME 45B H.A. Other Logged By: DA

Elev. ft.	Description	Depth ft.	S	T	R	B	N	Pen.	W	Lw	Qu
707.6'	Bluish concrete - 4.0'										
706.6'	Dark brown sand & gravel, damp - 8.0'				2						
	Dark brown-brown-black silt, some clay, trace sand & gravel, damp, loose to medium dense - fill		1	SS	13"	4	7	20.3			
					3						
					4						
					5						
702.1'			2	SS	16"	7	11	20.8			
	Brown clay, some silt, trace sand & gravel, damp, very tough to hard				3						
					4						
			3	SS	18"	5	10	3.0	20.8	104.7	2.6
					5						
					10						
			4	SS	18"	13	23	4.5+	16.3	114.0	5.8
					5						
					8						
695.1'			5	SS	18"	11	19	4.5+	17.2	111.7	3.4
	Gray clay, some silt, trace sand & gravel, damp, very tough				3						
693.6'			6		5			2.5	14.9	117.5	3.0
	Gray fine-medium sand, trace coarse sand & gravel, very damp-saturated, medium dense				16				9.8		
					3						
					4						
691.1'			8	SS	18"	5	9	2.25	18.8	116.9	1.2
	Gray clay, some silt, trace sand & gravel, damp, tough				11						
					10						
	Gray medium-coarse sand & gravel, some fine sand, saturated, medium dense				20				7.9		

Water Level— depth ft. elev. ft.
 - while drilling: 14.0
 - after drilling: 18.0
 - hrs. after drilling: _____

S - sample T - type: S (wet), SS (split spoon), ST (shrub tube) R - recovery length ft.
 B - Standard Penetration Test (SPT), blow/ft interval W - water content, %
 N - SPT, blow/foot to drive 2" O.D. split-spacer sampler with 140 lb. hammer falling 30"
 Pen - pocket penetrometer reading, tons/sq. ft. Lw - dry unit weight of soil, lbs./cu. ft.
 Qu - unconfined compressive strength, tons/sq. ft.

SMC SOIL AND MATERIAL CONSULTANTS, INC. File No. 21916 **BORING LOG** 201
 Client: Baxter & Woodman, Inc. Sheet 2 of 3
 Project: Penfield Street Trim Creek Culvert Date: 12/29/16
 Location: Beecher, IL Drilled By: AC
 Equipment: CME 45B H.A. Other Logged By: DA

Elev. ft.	Description	Depth ft.	S	T	R	B	N	Pen.	W	Lw	Qu
	Gray medium-coarse sand & gravel, some fine sand, saturated, medium dense					11					
						13					
684.6'			10	SS	11"	7	20		12.5		
						2					
						4					
	Gray clay, some silt, trace sand & gravel, very damp-damp, stiff to tough		25	11	SS	18"	5	9	1.25	16.8	126.1
						3					
						4					
			12	SS	18"	6	10	1.25	17.2	120.1	0.6
						3					
						4					
						3					
						4					
			20	13	SS	18"	5	9	1.25	16.1	122.9
						3					
						4					
674.1'						3					
	Gray clay, some silt, trace sand & gravel, very damp-damp, stiff		36	14	SS	18"	5	9	1.25	15.7	120.1
						4					
						6					
670.6'						2					
	Gray fine sand, very damp-saturated, loose					2					
						2					
687.6'			40	15	SS	18"	4	6		18.2	

Water Level— depth ft. elev. ft.
 - while drilling: 14.0
 - after drilling: 18.0
 - hrs. after drilling: _____

S - sample T - type: S (wet), SS (split spoon), ST (shrub tube) R - recovery length ft.
 B - Standard Penetration Test (SPT), blow/ft interval W - water content, %
 N - SPT, blow/foot to drive 2" O.D. split-spacer sampler with 140 lb. hammer falling 30"
 Pen - pocket penetrometer reading, tons/sq. ft. Lw - dry unit weight of soil, lbs./cu. ft.
 Qu - unconfined compressive strength, tons/sq. ft.

SMC SOIL AND MATERIAL CONSULTANTS, INC. File No. 21916 **BORING LOG** 201
 Client: Baxter & Woodman, Inc. Sheet 3 of 3
 Project: Penfield Street Trim Creek Culvert Date: 12/29/16
 Location: Beecher, IL Drilled By: AC
 Equipment: CME 45B H.A. Other Logged By: DA

Elev. ft.	Description	Depth ft.	S	T	R	B	N	Pen.	W	Lw	Qu
	Gray fine sand, very damp-saturated, medium dense					5					
						9					
			45	16	SS	18"	13	22		19.8	
						5					
						9					
658.6'						5					
	Gray fine sand, trace silt, very damp, medium dense		60	17	SS	18"	12	21		20.6	
						5					
						9					
655.6'						4					
	Gray clay, some silt, trace sand & gravel, damp, tough					4					
						6					
			66	18	SS	18"	7	13	1.5	15.5	120.1
						4					
						6					
650.6'						5					
	Gray clay & silt, trace sand & gravel, very damp, soft					5					
						6					
			60	19	SS	18"	7	13	1.0	16.9	120.4
						5					
647.6'						6					

Water Level— depth ft. elev. ft.
 - while drilling: 14.0
 - after drilling: 18.0
 - hrs. after drilling: _____

S - sample T - type: S (wet), SS (split spoon), ST (shrub tube) R - recovery length ft.
 B - Standard Penetration Test (SPT), blow/ft interval W - water content, %
 N - SPT, blow/foot to drive 2" O.D. split-spacer sampler with 140 lb. hammer falling 30"
 Pen - pocket penetrometer reading, tons/sq. ft. Lw - dry unit weight of soil, lbs./cu. ft.
 Qu - unconfined compressive strength, tons/sq. ft.

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**STRUCTURE NO. 099-6151
 BORING LOGS**

SHEET 7 OF 8 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	91
CONTRACT NO. 61H26				
ILLINOIS		FED. AID PROJECT	NIW7(436)	

SMC SOIL AND MATERIAL CONSULTANTS, INC. File No. 21916 BORING LOG 202

Client: Baxter & Woodman, Inc. Sheet 1 of 3

Project: Penfield Street Tris Creek Culvert Date: 12/29/16

Location: Beecher, IL Drilled By: AC

Equipment: CME 45B H.A. Other Logged By: DA

Elev. ft.	Description	Depth, ft.	D	S	T	R	B	N	Pen.	W	Uw	Qu
707.4'	Bituminous concrete - 5.5"											
705.9'	Crushed gravel, damp - 12.5"											
	Black-brown-dark brown silt, some clay, trace sand & gravel, damp, loose - Fill	1	SS	15"	4	9			17.2			
703.9'												
702.4'	Black silt, some clay, trace sand, damp, medium dense (topsoil)	2	SS	10"	6	11			22.6			
	Brown clay, some silt, trace sand & gravel, damp, very tough to hard											
		3	SS	12"	5	9		2.75	20.5			
		10	SS	18"	10	17		4.5+	17.2	113.0	7.2	
		5	SS	18"	12	23		4.5+	17.2	113.7	5.6	
693.9'												
	Brown clay, some silt, trace sand & gravel, damp, very tough	16	SS	18"	7	11		3.0	18.1	110.6	3.6	
691.4'												
	Gray clay, some silt, trace sand & gravel, damp, very tough	7	SS	18"	8	13		2.5	17.4	112.4	2.4	
688.9'												
	Gray clay, some silt, trace sand & gravel, damp, tough	20	SS	18"	6	10		1.5	21.7	119.6	1.5	

Water Level - depth, ft. elev. ft.

- while drilling: 23.0

- after drilling: 22.0

- hrs. after drilling: _____

S - sample T - type, J, Jar, SS (split spoon), ST (split tube) R - recovery length, ft.

B - Standard Penetration Test (SPT), blow/ft interval W - water content, %

N - SPT, blow/ft to drive 2" O.D. split spoon sampler with 140 lb. hammer falling 30"

Pen. - pocket penetrometer reading, tons/sq. ft. Uw - dry unit weight of soil, lbs./cu. ft.

Qu - unconfined compressive strength, tons/sq. ft.

F-111b

SMC SOIL AND MATERIAL CONSULTANTS, INC. File No. 21916 BORING LOG 202

Client: Baxter & Woodman, Inc. Sheet 2 of 3

Project: Penfield Street Tris Creek Culvert Date: 12/29/16

Location: Beecher, IL Drilled By: AC

Equipment: CME 45B H.A. Other Logged By: DA

Elev. ft.	Description	Depth, ft.	D	S	T	R	B	N	Pen.	W	Uw	Qu
	Gray clay, some silt, trace sand & gravel, damp, tough											
		9	SS	18"	7	13		2.25	19.2	109.0	1.9	
684.4'												
	Gray fine-medium sand, trace coarse sand & gravel, saturated, loose	10	SS						14.6			
683.4'												
	Gray clay, some silt, trace sand & gravel, very damp-damp, tough	25	SS	18"	4	8		1.25	16.1	116.8	1.0	
681.4'												
	Gray clay, some silt, trace sand & gravel, very damp-damp, stiff to tough	12	SS					1.5	17.7	117.2	0.7	
		30	SS	18"	4	8		1.25	16.3	122.8	0.8	
		35	SS	18"	5	9		1.5	15.4	122.5	1.3	
670.4'												
	Gray fine sand, very damp-saturated, medium dense											
		40	SS	18"	7	12			19.1			
667.4'												

Water Level - depth, ft. elev. ft.

- while drilling: 23.0

- after drilling: 22.0

- hrs. after drilling: _____

S - sample T - type, J, Jar, SS (split spoon), ST (split tube) R - recovery length, ft.

B - Standard Penetration Test (SPT), blow/ft interval W - water content, %

N - SPT, blow/ft to drive 2" O.D. split spoon sampler with 140 lb. hammer falling 30"

Pen. - pocket penetrometer reading, tons/sq. ft. Uw - dry unit weight of soil, lbs./cu. ft.

Qu - unconfined compressive strength, tons/sq. ft.

F-111b

SMC SOIL AND MATERIAL CONSULTANTS, INC. File No. 21916 BORING LOG 202

Client: Baxter & Woodman, Inc. Sheet 3 of 3

Project: Penfield Street Tris Creek Culvert Date: 12/29/16

Location: Beecher, IL Drilled By: AC

Equipment: CME 45B H.A. Other Logged By: DA

Elev. ft.	Description	Depth, ft.	D	S	T	R	B	N	Pen.	W	Uw	Qu
	Gray fine sand, very damp-saturated, medium dense											
		45	SS	18"	11	18			19.3			
		60	SS	18"	7	14			21.5			
655.4'												
	Brown-gray silt & fine sand, very damp, medium dense											
		56	SS	18"	15	24			21.7			
650.4'												
	Gray clay & silt, trace sand & gravel, very damp-damp, stiff											
		60	SS	18"	7	13		1.5	16.6	121.9	0.7	
647.4'												

Water Level - depth, ft. elev. ft.

- while drilling: 23.0

- after drilling: 22.0

- hrs. after drilling: _____

S - sample T - type, J, Jar, SS (split spoon), ST (split tube) R - recovery length, ft.

B - Standard Penetration Test (SPT), blow/ft interval W - water content, %

N - SPT, blow/ft to drive 2" O.D. split spoon sampler with 140 lb. hammer falling 30"

Pen. - pocket penetrometer reading, tons/sq. ft. Uw - dry unit weight of soil, lbs./cu. ft.

Qu - unconfined compressive strength, tons/sq. ft.

F-111b

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

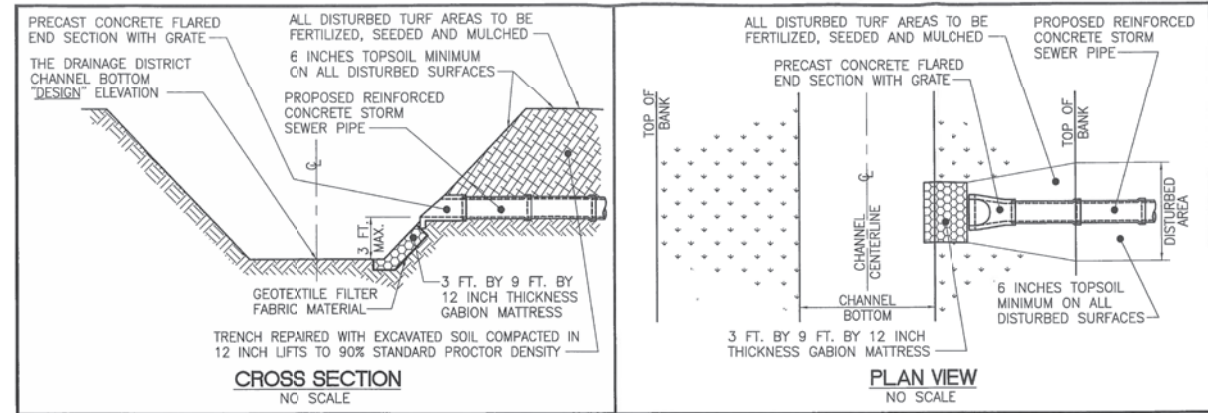
STRUCTURE NO. 099-6151
BORING LOGS

SHEET 8 OF 8 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	92
CONTRACT NO. 61H26				
ILLINOIS	FED. AID PROJECT	NIW7(436)		

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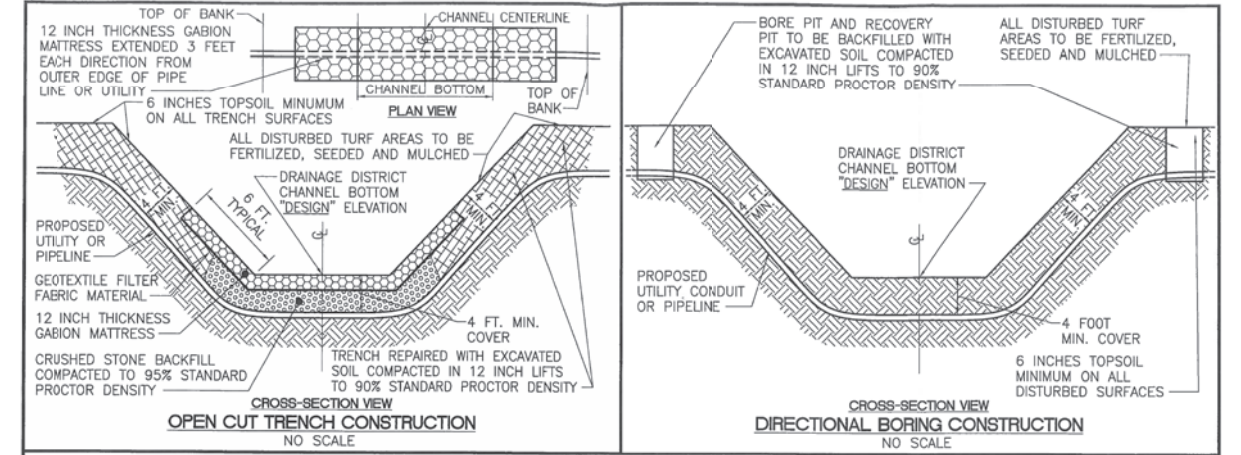
NOTES:

- PERFORM ALL WORK IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", LATEST EDITION.
- STORM SEWERS IN THE DRAINAGE DISTRICT'S EASEMENTS OR RIGHTS-OF-WAY SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 550 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", LATEST EDITION.
- ALL CONSTRUCTION ACTIVITIES WITHIN THE DRAINAGE DISTRICT'S EASEMENTS OR RIGHTS-OF-WAY SHALL BE SUBJECT TO REVIEW AND ACCEPTANCE BY THE DRAINAGE DISTRICT. WORK NOT ACCEPTABLE TO THE DRAINAGE DISTRICT SHALL BE MODIFIED BY THE AGENCY OR PERSON CONSTRUCTING THE STORM SEWER IN A MANNER SATISFACTORY TO THE DRAINAGE DISTRICT.
- TRENCHES SHALL BE BACKFILLED WITH FINE GRAINED MATERIAL AND COMPACTED IN 12 INCH LIFTS TO NOT LESS THAN 90 PERCENT STANDARD PROCTOR DENSITY.
- GABION MATTRESSES SHALL BE INSTALLED IN COMPLIANCE WITH THE REQUIREMENTS OF SECTION 284 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", LATEST EDITION.
- FERTILIZING, SEEDING AND MULCHING OF ALL DISTURBED AREAS SHALL COMPLY WITH THE PROVISIONS OF SECTIONS 250 AND 251 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", LATEST EDITION.
- SEED SHALL BE CLASS 3 - SLOPE MIXTURE OR CLASS 6 - CONSERVATION MIXTURE, APPLIED AT A RATE OF 200 PERCENT OF THAT INDICATED IN THE STANDARD SPECIFICATIONS.
- CONSTRUCTING AGENCY SHALL PROVIDE THE DRAINAGE DISTRICT WITH "AS-BUILT" DATA CONCERNING THE LOCATION OF THE STORM SEWER OUTLET.
- NOTIFY THE DRAINAGE DISTRICT NOT LESS THAN 48 HOURS BEFORE BEGINNING CONSTRUCTION ACTIVITIES.

CONSTRUCTION REQUIREMENTS FOR STORM SEWER OUTLETS INTO OPEN CHANNEL DRAINAGE DISTRICT NUMBER 3 OF THE TOWN OF WASHINGTON WILL COUNTY, ILLINOIS

BERNS, CLANCY AND ASSOCIATES, P.C.
 ENGINEERS • SURVEYORS • PLANNERS
 409 EAST MAIN STREET - POST OFFICE BOX 755
 URBANA, ILLINOIS 61803-0755
 PHONE: 317.584-1144 • FAX: 317.584-3355

FILE: 5413-S06.DWG DATE: 090904 SHEET 1 OF 1
 JOB: 5413



NOTES:

- PERFORM ALL WORK IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", LATEST EDITION.
- TOP OF GABION MATTRESS IN CHANNEL BOTTOM SHALL BE SET 6 INCHES BELOW THE DESIGN ELEVATION FOR THE CHANNEL BOTTOM.
- TRENCH BACKFILL BENEATH GABION MATTRESS SHALL BE GRADATION CA-7, CRUSHED STONE, MEETING THE REQUIREMENTS OF SECTION 1004 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".
- GABION MATTRESSES SHALL BE INSTALLED IN COMPLIANCE WITH THE REQUIREMENTS OF SECTION 284 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".
- FERTILIZING, SEEDING AND MULCHING OF ALL DISTURBED TURF AREAS SHALL COMPLY WITH THE PROVISIONS OF SECTION 250 AND SECTION 251 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".
- SEED SHALL BE CLASS 3 - SLOPE MIXTURE OR CLASS 6 - CONSERVATION MIXTURE, APPLIED AT A RATE OF 200 PERCENT OF THAT INDICATED IN THE STANDARD SPECIFICATIONS.
- ALL CONSTRUCTION ACTIVITIES WITHIN THE DRAINAGE DISTRICT'S EASEMENTS OR RIGHT-OF-WAY SHALL BE SUBJECT TO REVIEW AND ACCEPTANCE BY THE DRAINAGE DISTRICT. WORK NOT ACCEPTABLE TO THE DRAINAGE DISTRICT SHALL BE MODIFIED BY THE AGENCY OR PERSON CONSTRUCTING THE CROSSING IN A MANNER SATISFACTORY TO THE DRAINAGE DISTRICT.
- CONSTRUCTING AGENCY SHALL PROVIDE THE DRAINAGE DISTRICT WITH "AS-BUILT" DATA CONCERNING THE DEPTH AND LOCATION OF THE UTILITY CONDUIT OR PIPELINE.
- NOTIFY THE DRAINAGE DISTRICT NOT LESS THAN 48 HOURS BEFORE BEGINNING CONSTRUCTION ACTIVITIES.

CONSTRUCTION REQUIREMENTS FOR UTILITY OR PIPELINE CROSSING OF DRAINAGE DISTRICT CHANNEL DRAINAGE DISTRICT NUMBER 3 OF THE TOWN OF WASHINGTON WILL COUNTY, ILLINOIS

BERNS, CLANCY AND ASSOCIATES, P.C.
 ENGINEERS • SURVEYORS • PLANNERS
 409 EAST MAIN STREET - POST OFFICE BOX 755
 URBANA, ILLINOIS 61803-0755
 PHONE: 317.584-1144 • FAX: 317.584-3355

FILE: 5413-S02.DWG DATE: 090904 SHEET 1 OF 1
 JOB: 5413

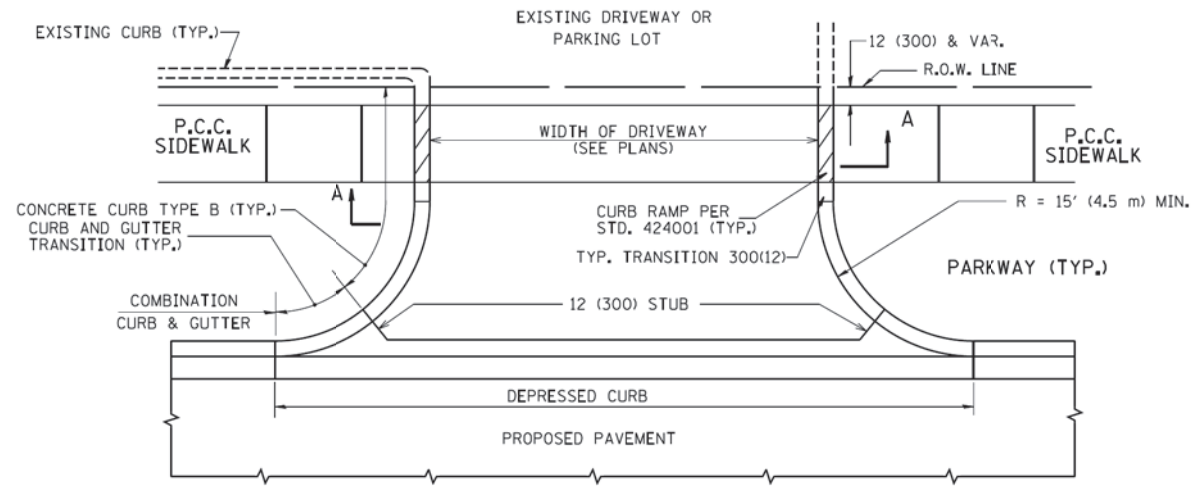
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

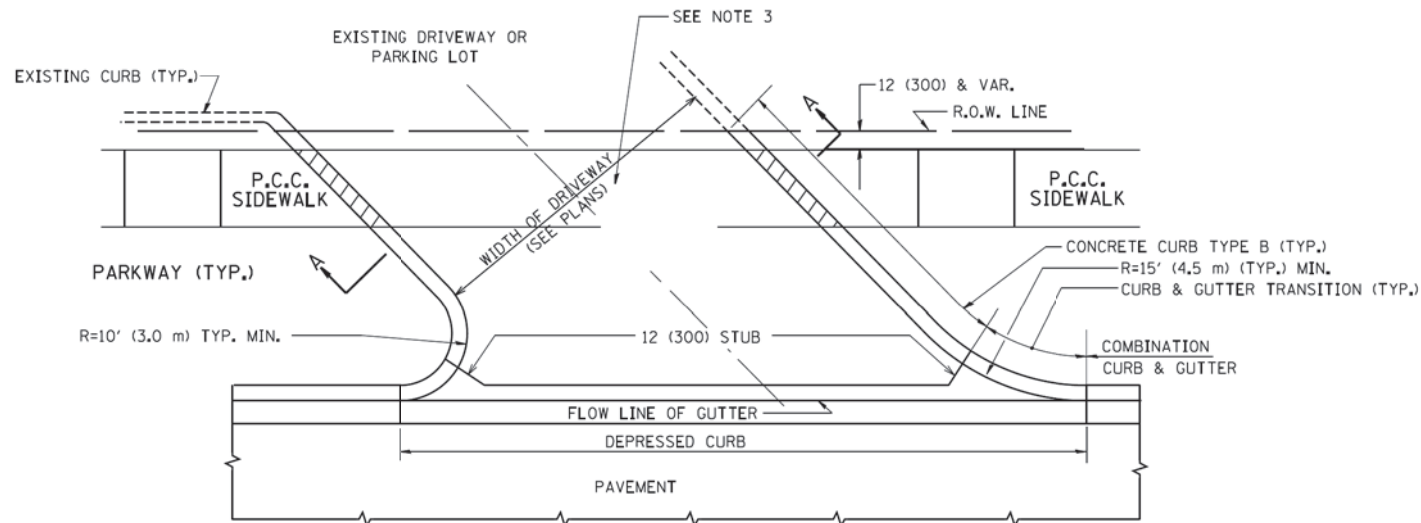
MISCELLANEOUS DETAILS

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

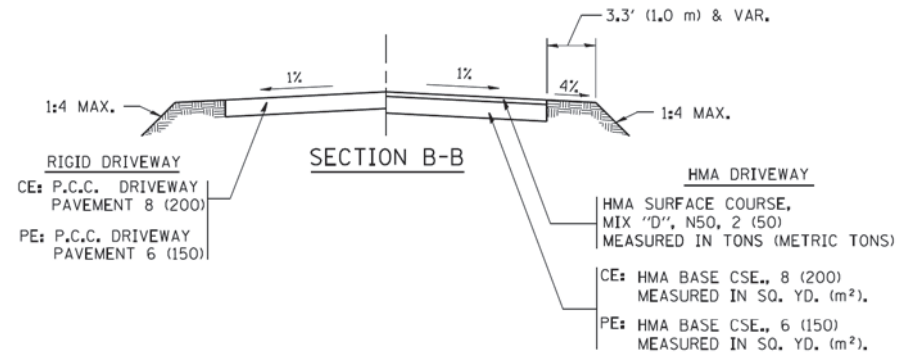
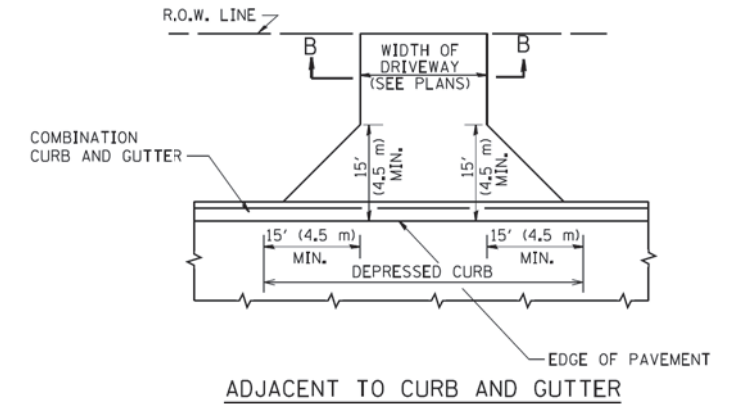
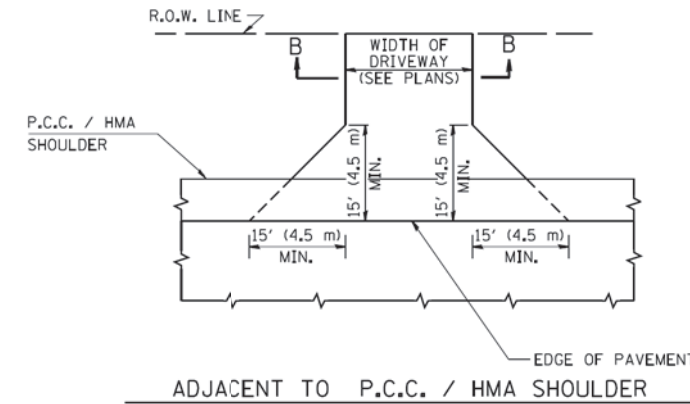
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	93
				CONTRACT NO. 61H26
		ILLINOIS	FED. AID PROJECT	NIW7(436)



WITH CONCRETE CURB, TYPE B



WITH CONCRETE CURB, TYPE B



RURAL FIELD ENTRANCE (FE)

HMA SURFACE COURSE, MIX "D", N50, 2 (50) MEASURED IN TONS (METRIC TONS)

AGGREGATE BASE CSE., TYPE B, 8 (200) MEASURED IN SQ. YD. (m²).

GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

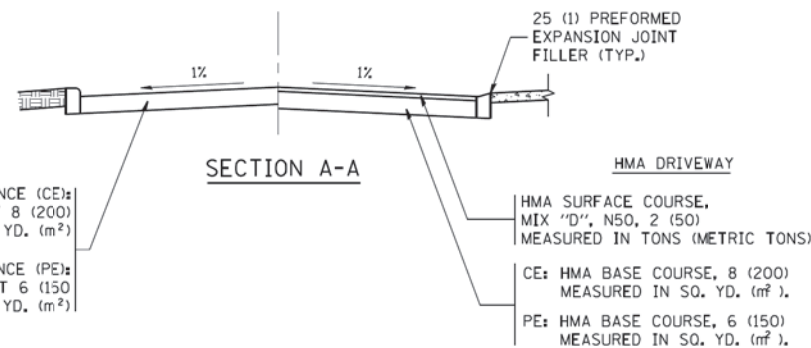
COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.



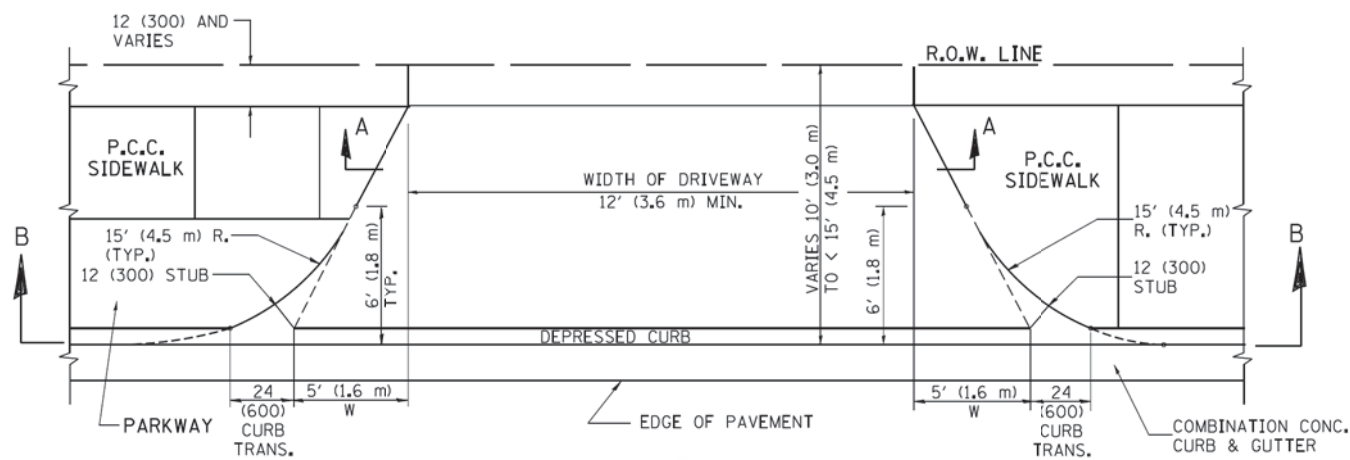
COPYRIGHT © 2020 BY BAXTER & WOODMAN, INC.
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 PROJECT NO. - 1811-104721-01
 PROJECT NAME - 104721-01
 PROJECT LOCATION - 104721-01

FILE NAME =	USER NAME = lrysa	DESIGNED - R. SHAH	REVISED - P. LoFLUER 04-15-03
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		CHECKED -	REVISED - R. BORO 06-11-08
		DATE - 11-04-95	REVISED - R. BORO 09-06-11

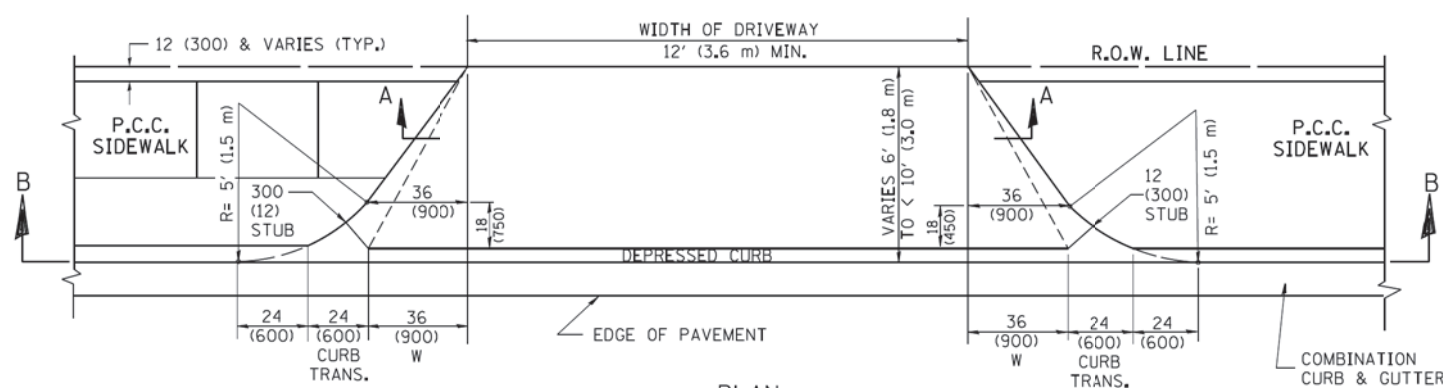
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

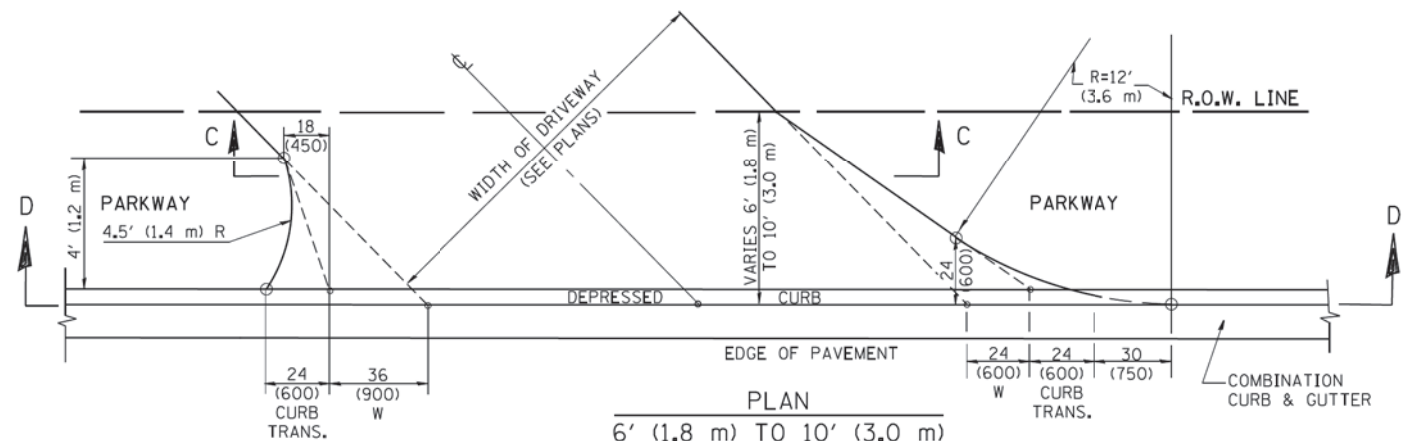
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	94
BD0156-07 (BD-01)		CONTRACT NO. 61H26		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT NJW7(436)				



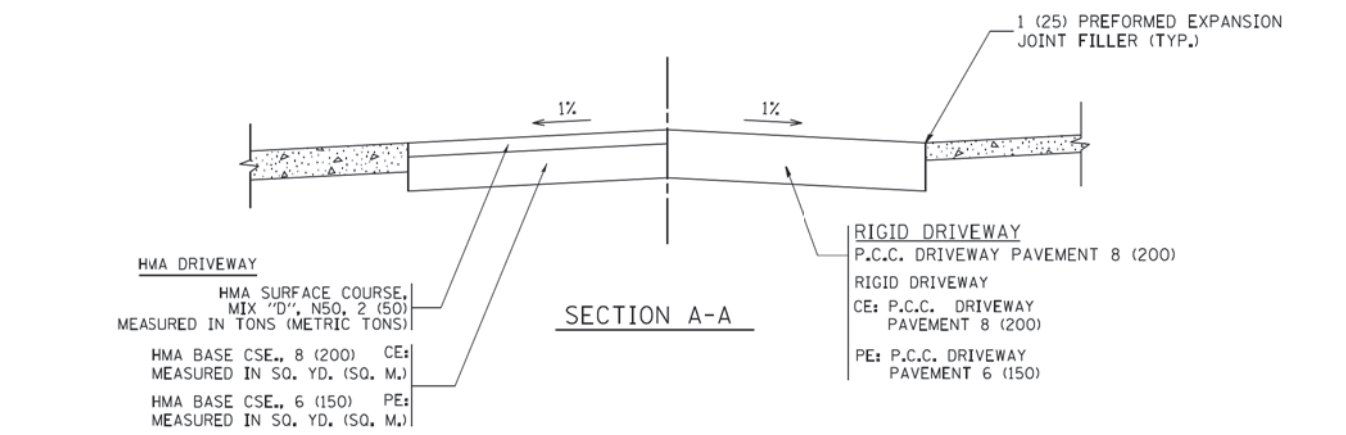
PLAN
10' (3.0 m) TO < 15' (4.5 m)



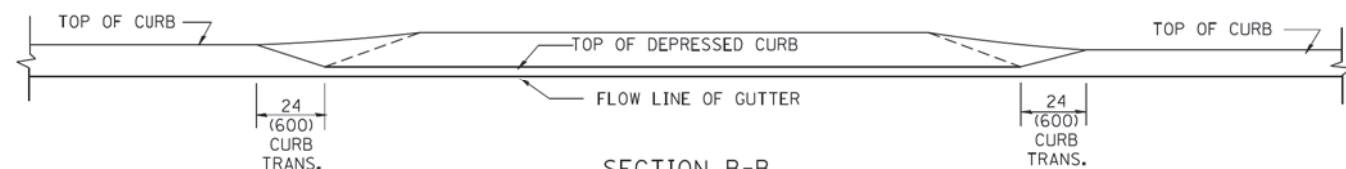
PLAN
6' (1.8 m) TO < 10' (3.0 m)



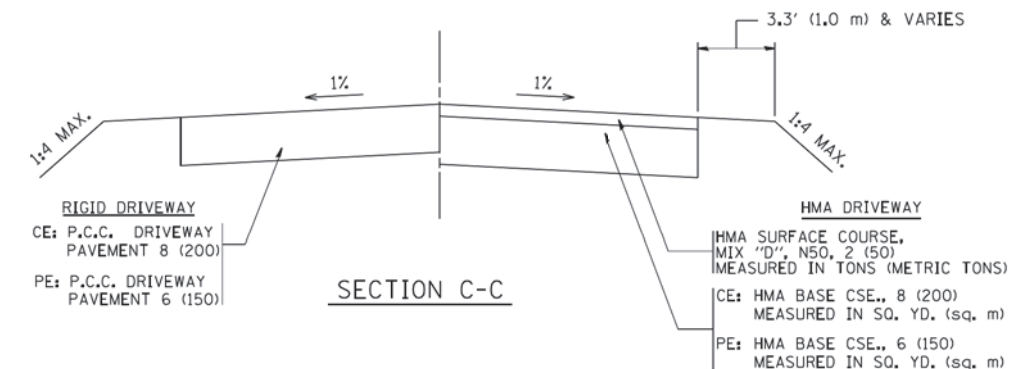
PLAN
6' (1.8 m) TO 10' (3.0 m)



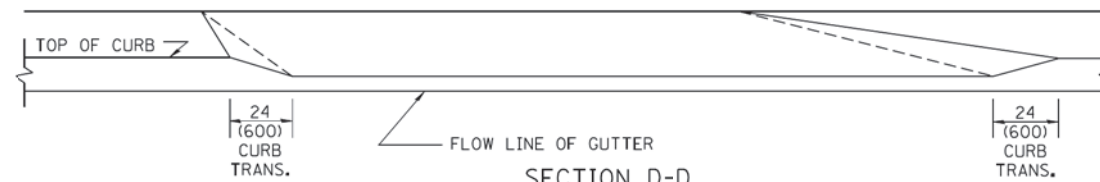
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

THE 1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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

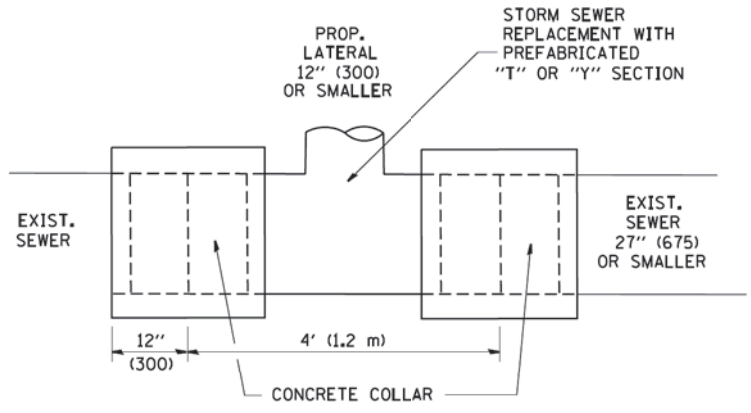
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 104727 AM
 10/28/2011

FILE NAME =	USER NAME = lcyss	DESIGNED - R. SHAH	REVISED - M. GOMEZ 04-05-01
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	PLOT DATE = 10/28/2011	DATE - 11-06-95	REVISED - R. BORO 09-06-11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

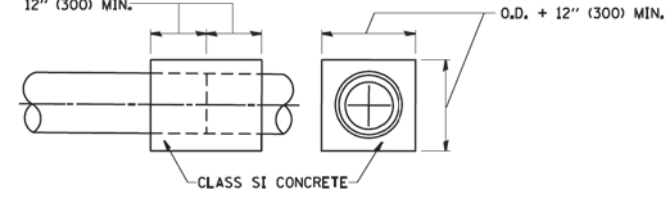
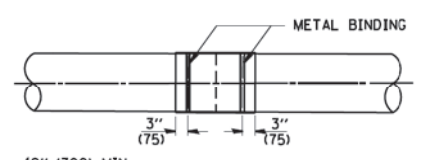
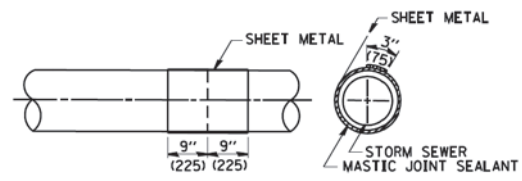
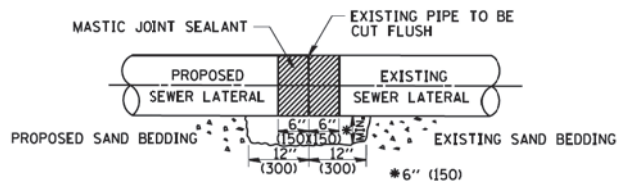
DRIVEWAY DETAILS			
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	95
BD400-02 (BD-02)			CONTRACT NO. 61H26	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT NJW7(436)				



DETAIL "A"

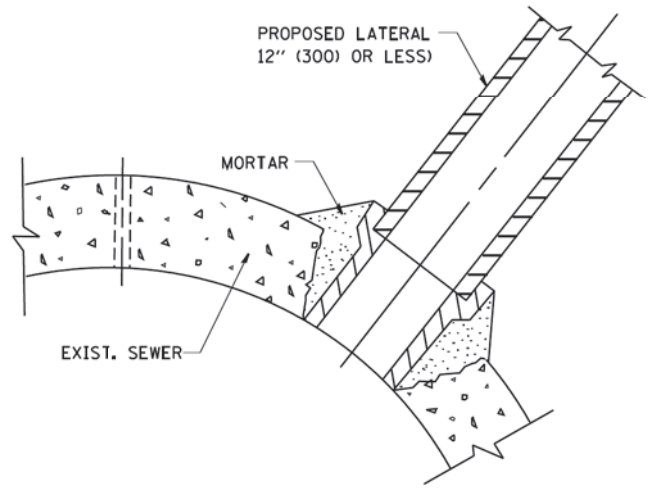
LATERAL CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER



DETAIL "B"
CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12" x 6" (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.



DETAIL "C"

PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER

NOTES

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS. THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

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

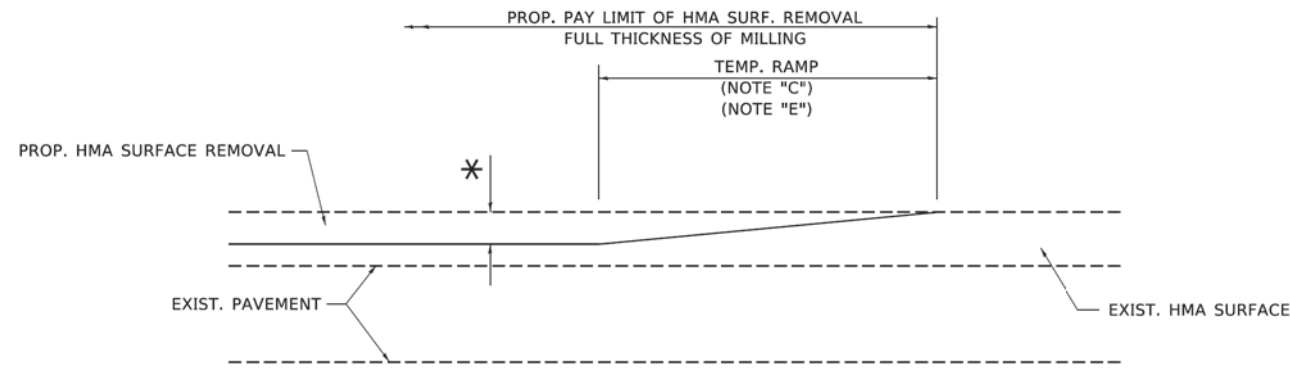
COPYRIGHT © 2020 BY BAXTER & WOODMAN, INC. STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM. PROJECT: 15-00020-00-FP. SHEET: 117 OF 117. DATE: 1/4/2020.

FILE NAME =	USER NAME = geglennobt	DESIGNED - M. DE YONG	REVISED - M. DE YONG 05-08-92
W:\diststa\22x34\ba07.dgn		DRAWN -	REVISED - R. SHAH 09-09-94
		CHECKED -	REVISED - R. SHAH 10-25-94
		DATE - 07-25-90	REVISED - R. SHAH 06-12-96

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

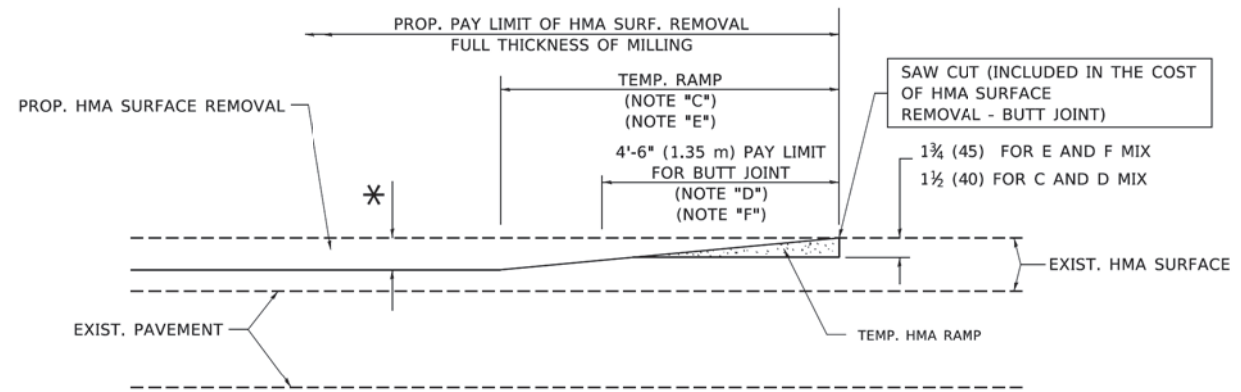
DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	96
BD500-01 (BD-7)			CONTRACT NO. 61H26	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT NJW7(436)				



MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

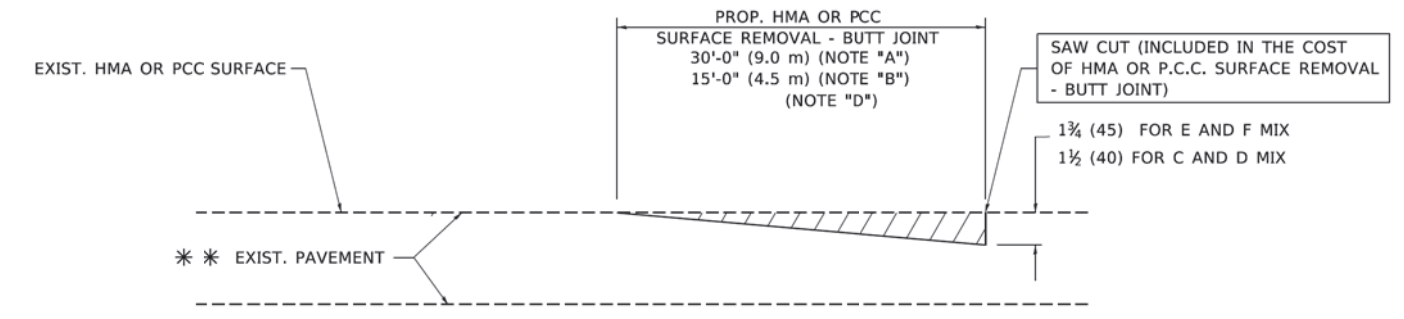
OPTION 1



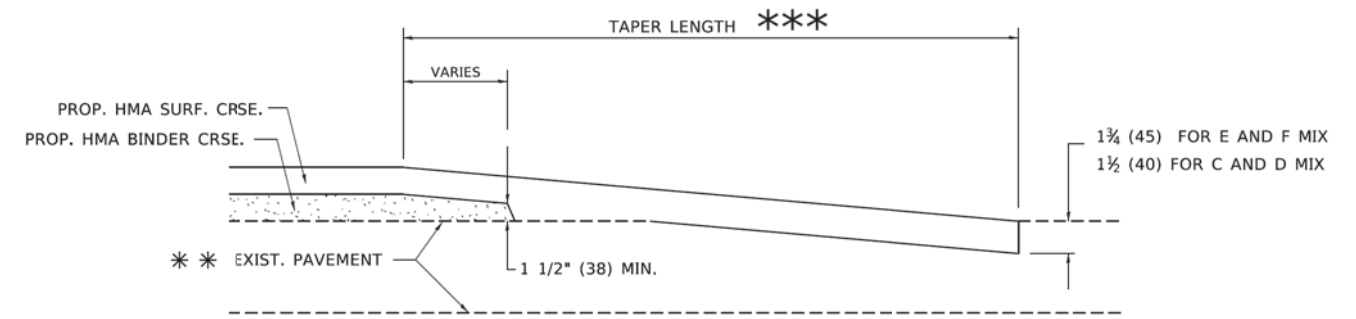
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

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.

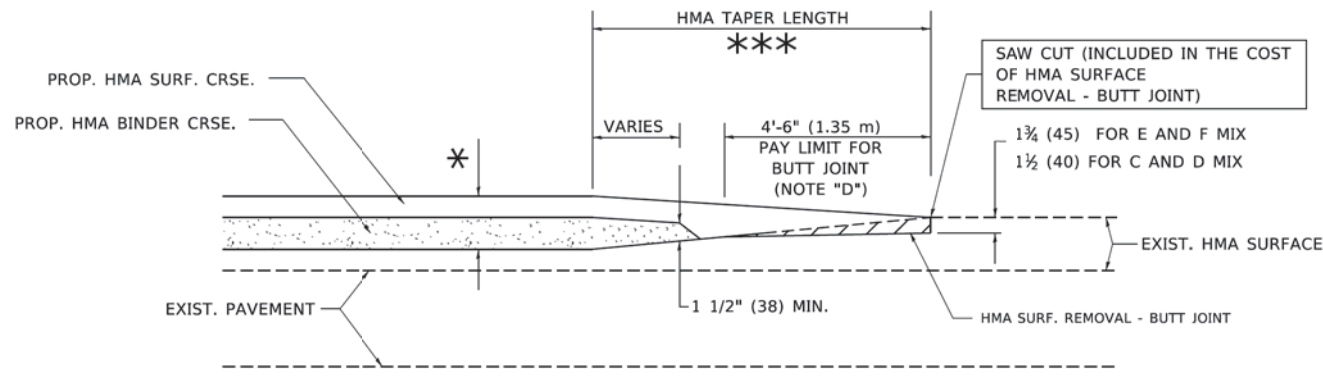
NOTES

- A. MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- 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'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
- F. INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT.
* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- G. 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

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".

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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 PROJECT: ILLINOIS STATE HIGHWAY 150 - WEST SIDE
 CONTRACT NO. 15-00020-00-FP
 SHEET NO. 117 OF 126
 DATE: 06/13/2019

USER NAME = footemj	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
	DRAWN -	REVISED - A. ABBAS 03-21-97
PLOT SCALE = 50,0000' / 1"	CHECKED -	REVISED - M. GOMEZ 04-26-01
PLOT DATE = 3/27/2019	DATE - 06-13-90	REVISED - R.BORO 01-01-07

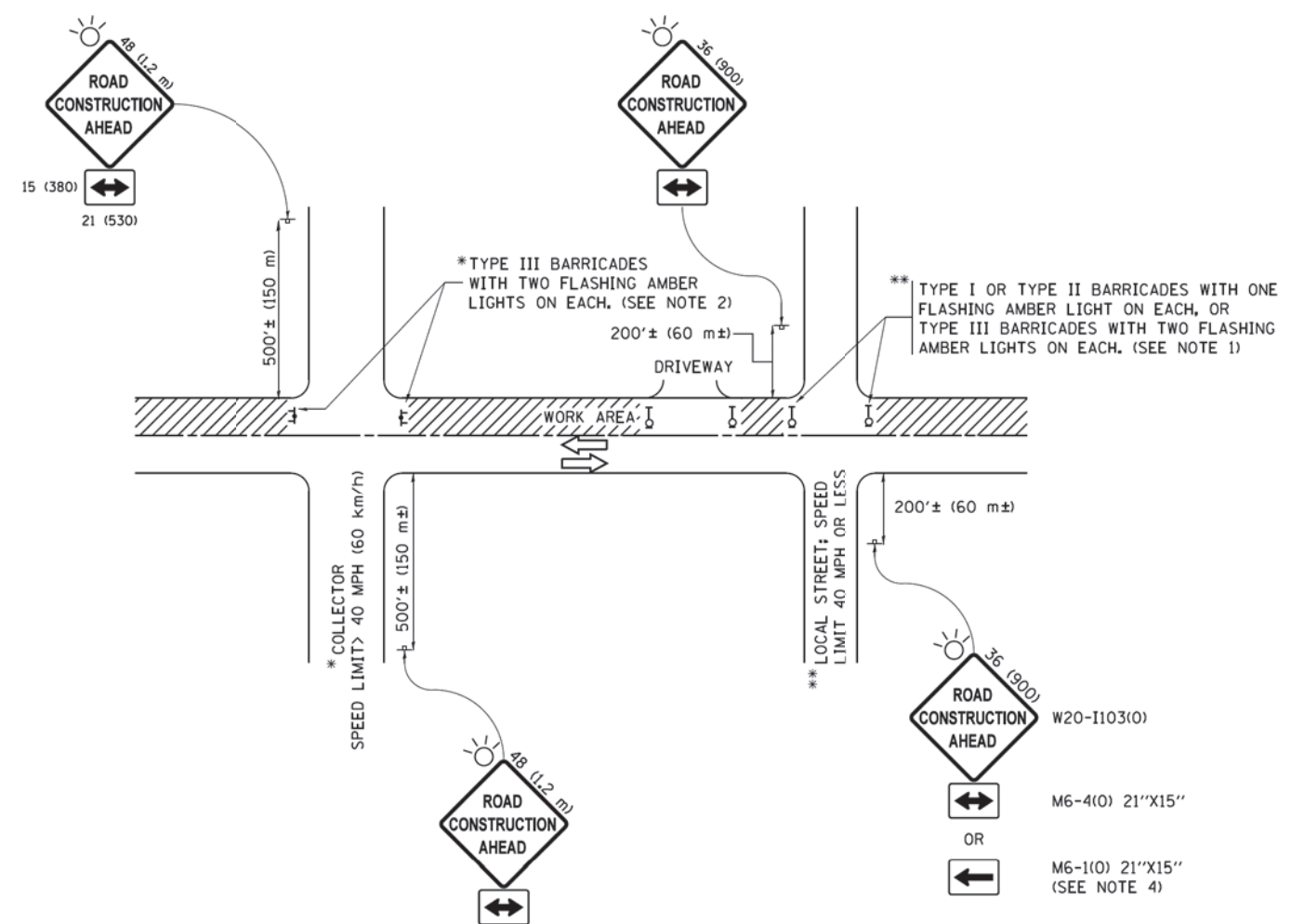
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BUTT JOINT AND HMA TAPER DETAILS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	97
BD400-05 BD32		CONTRACT NO. 61H26		
ILLINOIS FED. AID PROJECT NJW7(436)				

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 TEL: (773) 462-1000 FAX: (773) 462-1001
 WWW.BAXTERANDWOODMAN.COM



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) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY 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. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE 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.

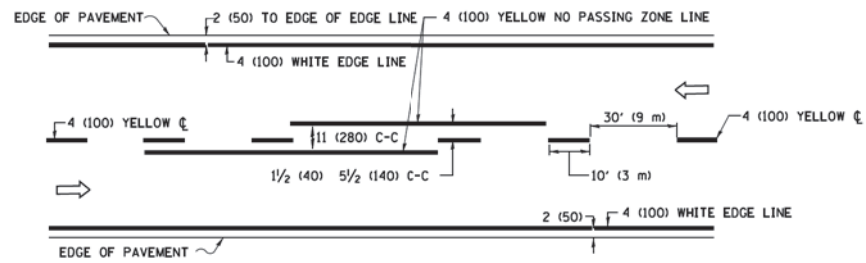
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

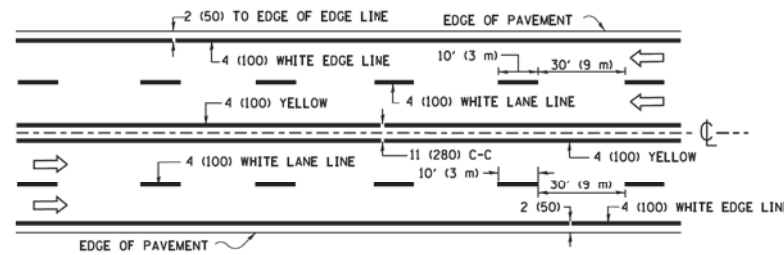
**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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

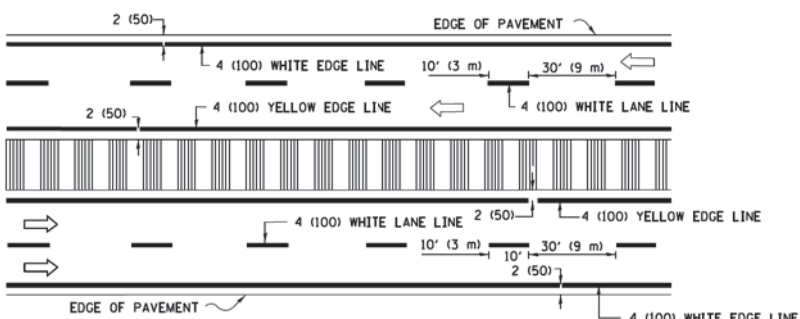
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	98
TC-10			CONTRACT NO. 61H26	
ILLINOIS FED. AID PROJECT NJW7(436)				



2-LANE ROADWAY

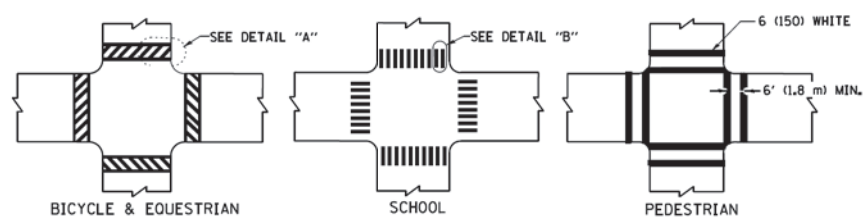


MULTI-LANE UNDIVIDED



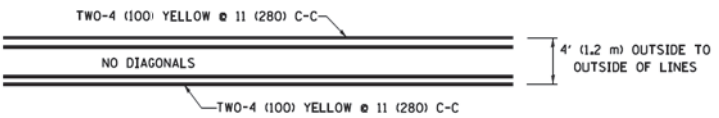
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

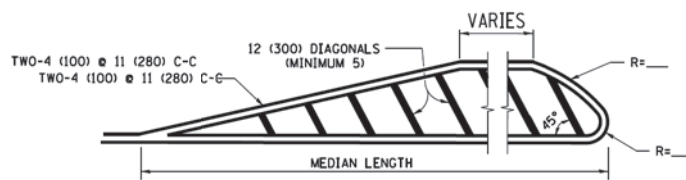


DETAIL "A" TYPICAL CROSSWALK MARKING

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

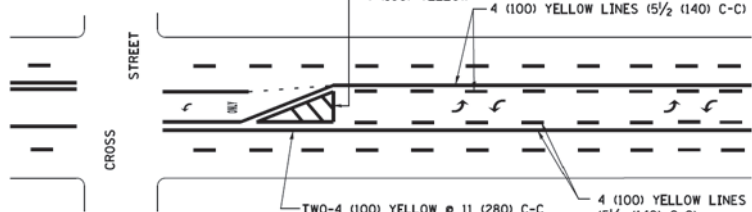


4' (1.2 m) WIDE MEDIANS ONLY

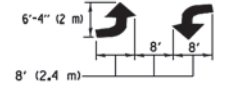


DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

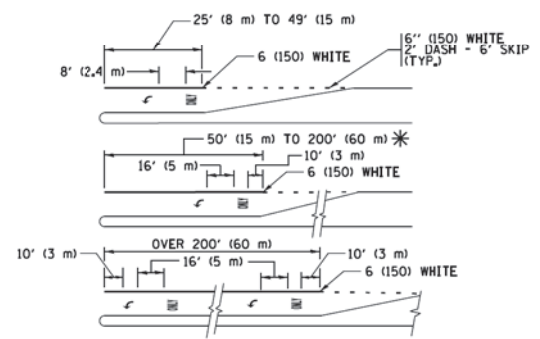
MEDIANS OVER 4' (1.2 m) WIDE



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.



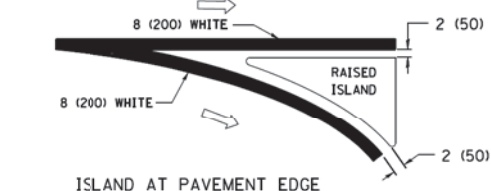
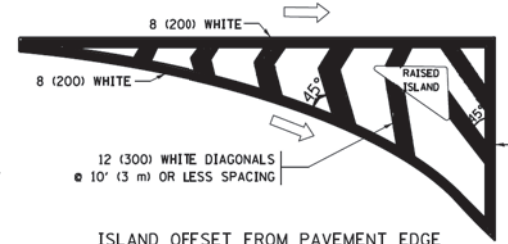
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING



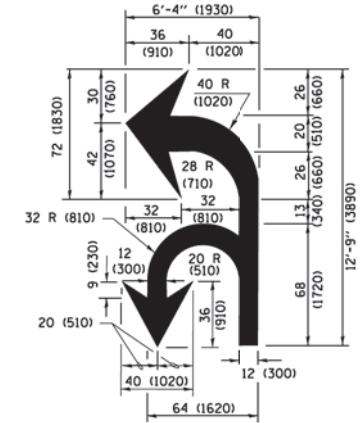
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) AREA = 20.8 SQ. FT. (1.9 m²)

* 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".

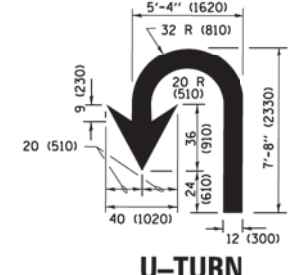
TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING



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; WHITE; WHITE	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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		PLOT DATE = 6/23/2017	DATE - 03-19-90
			REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE			
TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	99
TC-13		CONTRACT NO. 61H26		
ILLINOIS FED. AID PROJECT NJW7(436)				

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

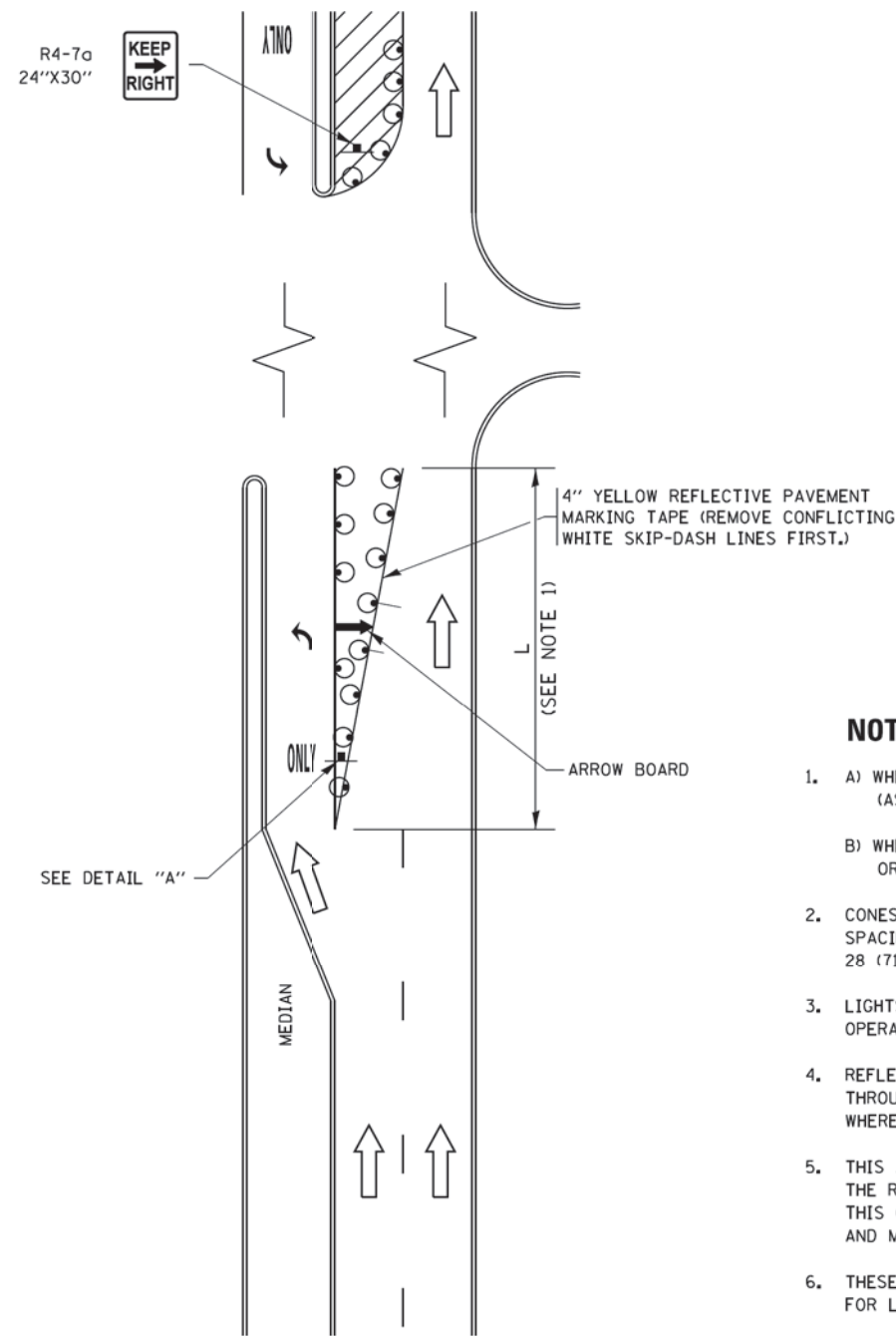


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

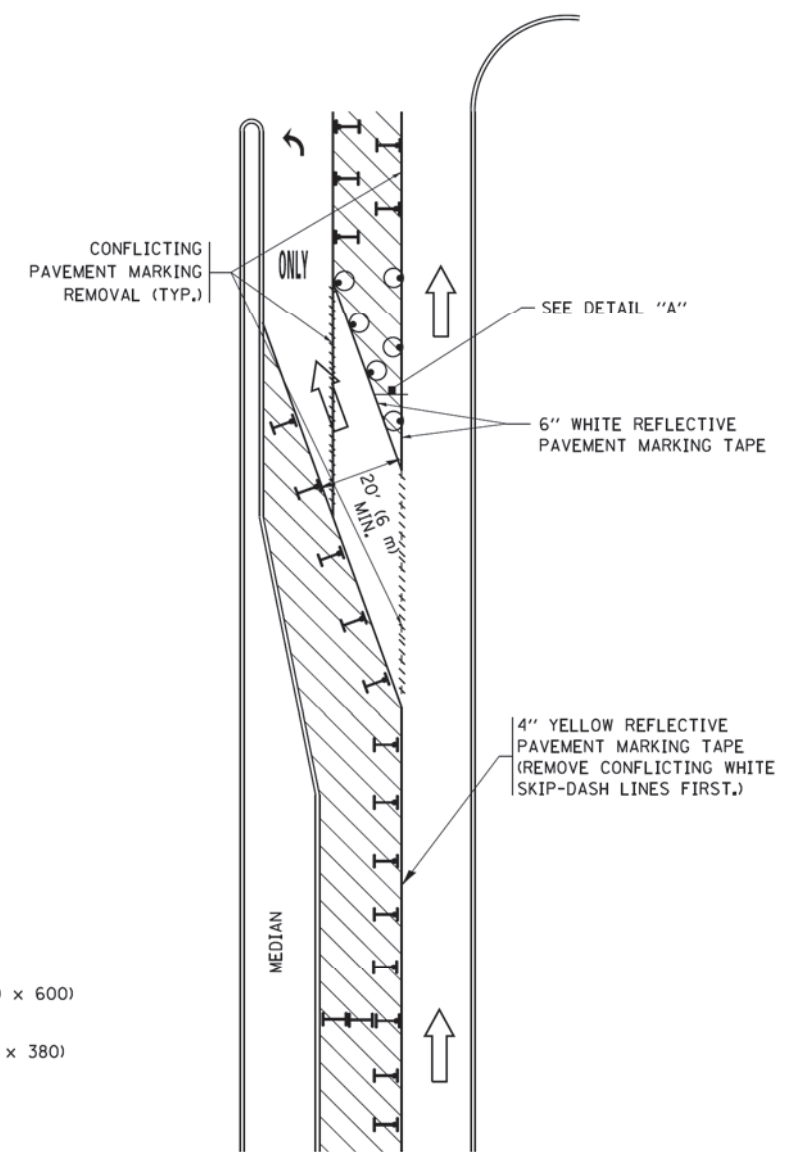


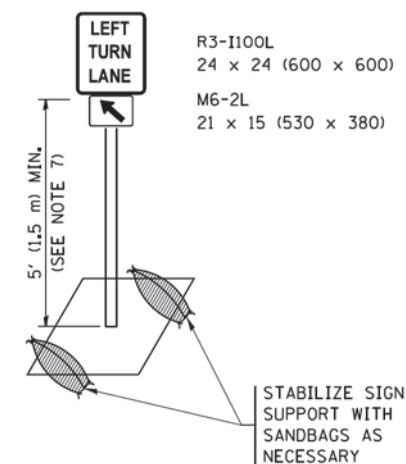
FIGURE 2

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES:

1. A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
 B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. 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.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



DETAIL A

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

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 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 PROJECT NO. - 15-00020-00-FP
 SHEET NO. - 61H26
 DATE - 04/2021
 PROJECT LOCATION - I-55/US-41/US-150
 PROJECT NAME - I-55/US-41/US-150
 PROJECT PHASE - PENFIELD STREET
 PROJECT NO. - 15-00020-00-FP
 SHEET NO. - 61H26
 DATE - 04/2021

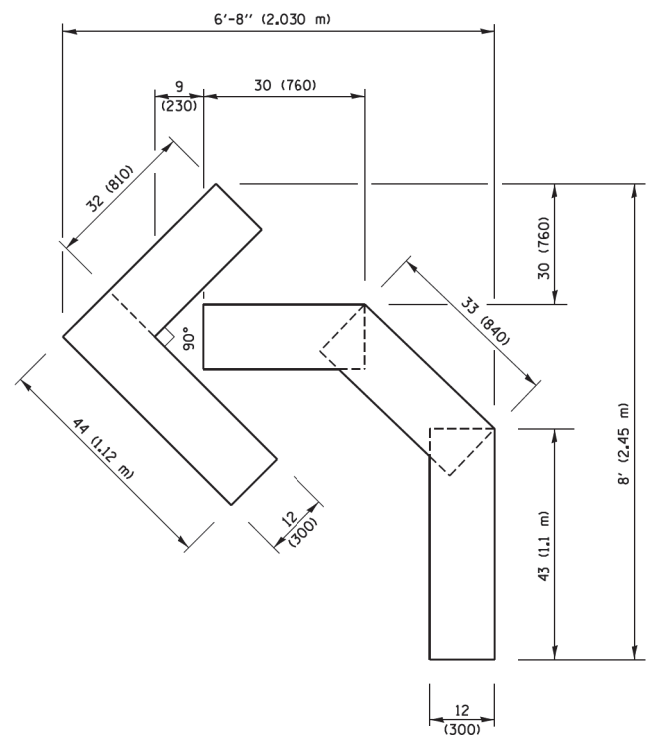
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		REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
		REVISED - T. RAMMACHER 01-06-00	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

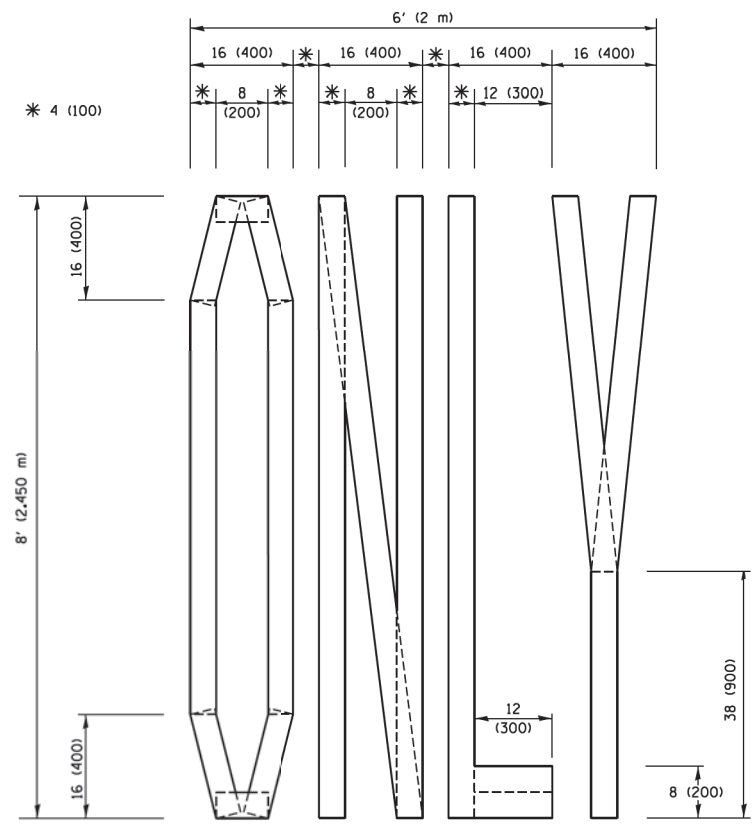
TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)

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

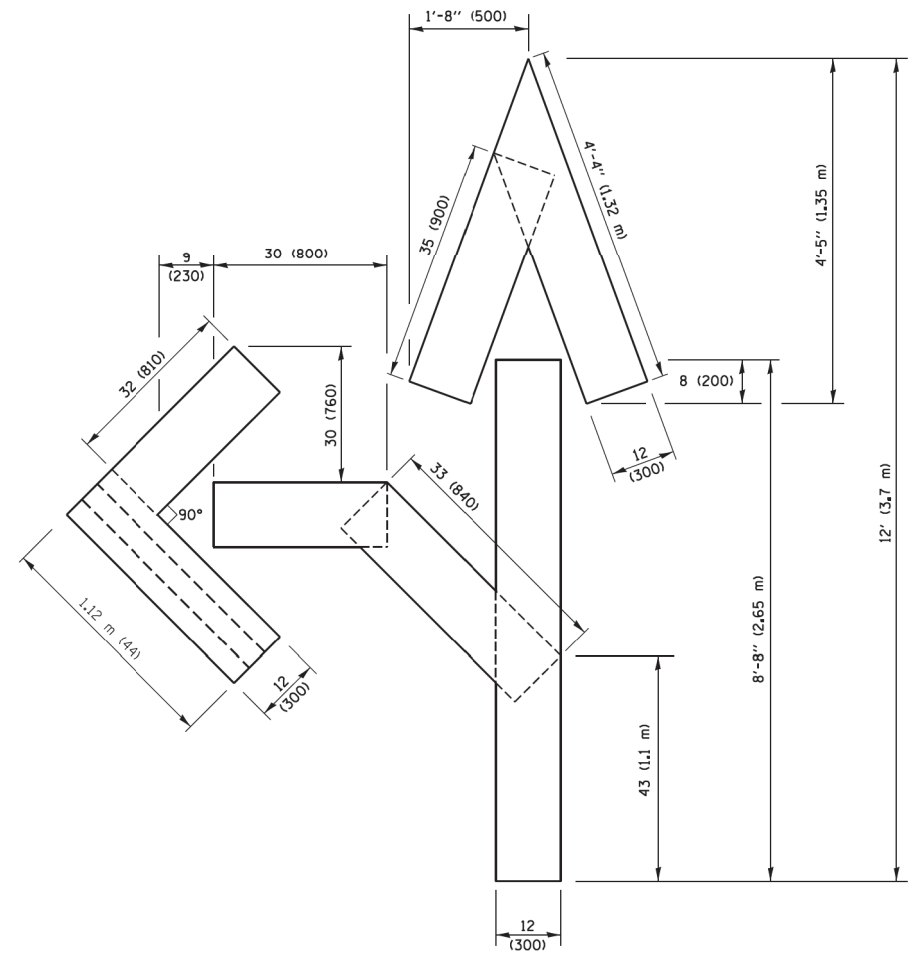
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	100
TC-14		CONTRACT NO. 61H26		
ILLINOIS FED. AID PROJECT NJW7(436)				



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

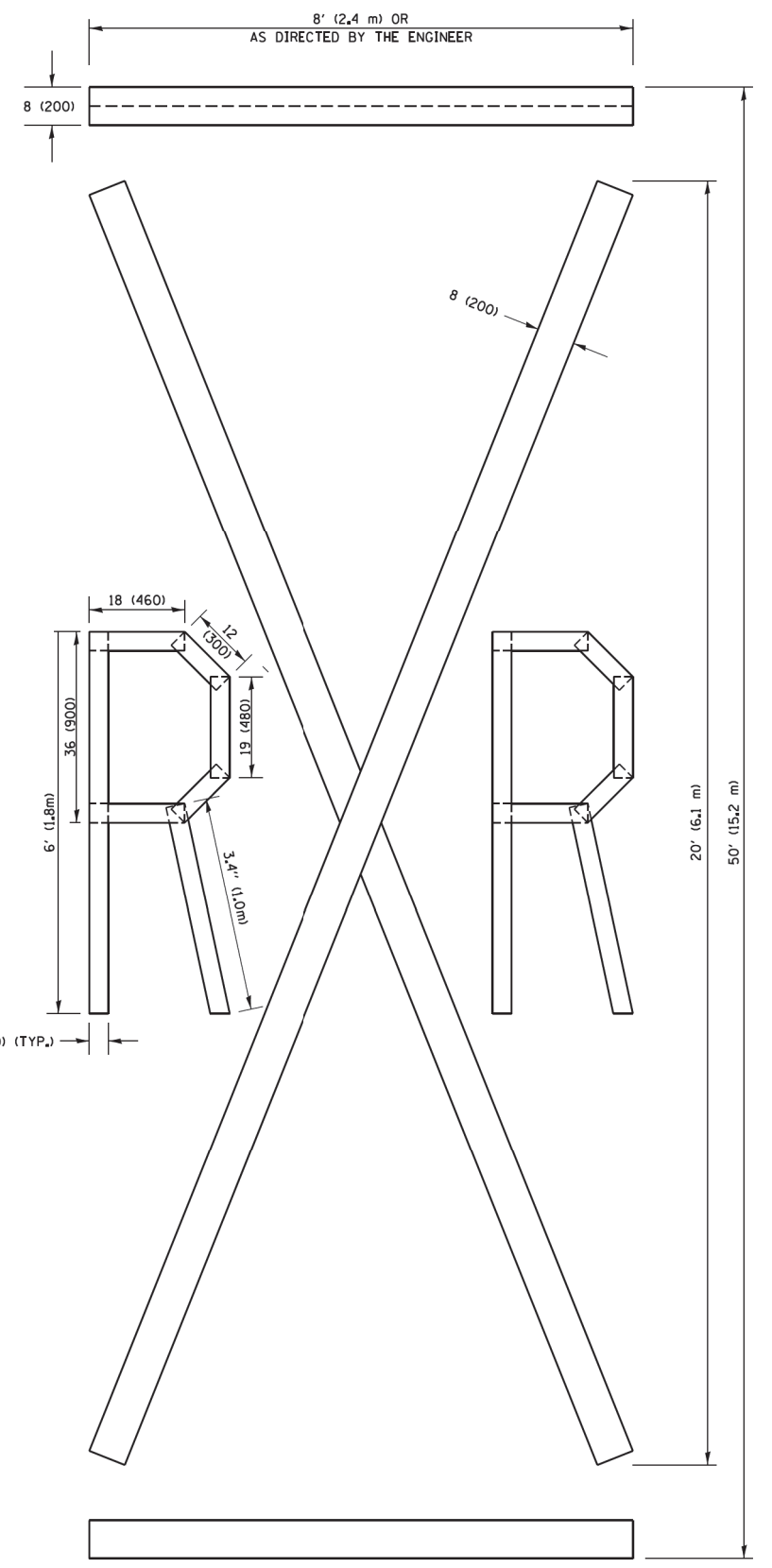


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



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)

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 PROJECT NO. 15-00020-00-FP
 DRAWING NO. 61H26
 DATE: 9/15/2016

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PLOT DATE = 9/15/2016			

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE. 423	SECTION 15-00020-00-FP	COUNTY WILL	TOTAL SHEETS 117	SHEET NO. 101
TC-16		CONTRACT NO. 61H26		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT NJW7(436)				

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 PROJECT NO. 15-00020-00-FP
 SHEET NO. 117 OF 102
 CONTRACT NO. 61H26
 ILLINOIS FED. AID PROJECT NJW7(436)

ROUTE MARKERS

FOR U.S. ROUTES
M1-40-2424

FOR ILLINOIS ROUTES
M1-50-2424

R.R. UNMARKED ROUTES
SPECIAL 24" x 18" VARIABLE
4" BLACK LETTERS ON WHITE
REFLECTIVE BACKGROUND

ARROWS SIGNS

M5-1L-2115

M5-1R-2115

M6-1-2115

M6-2-2115

M6-3-2115

CARDINAL DIRECTION & DETOUR SIGNS

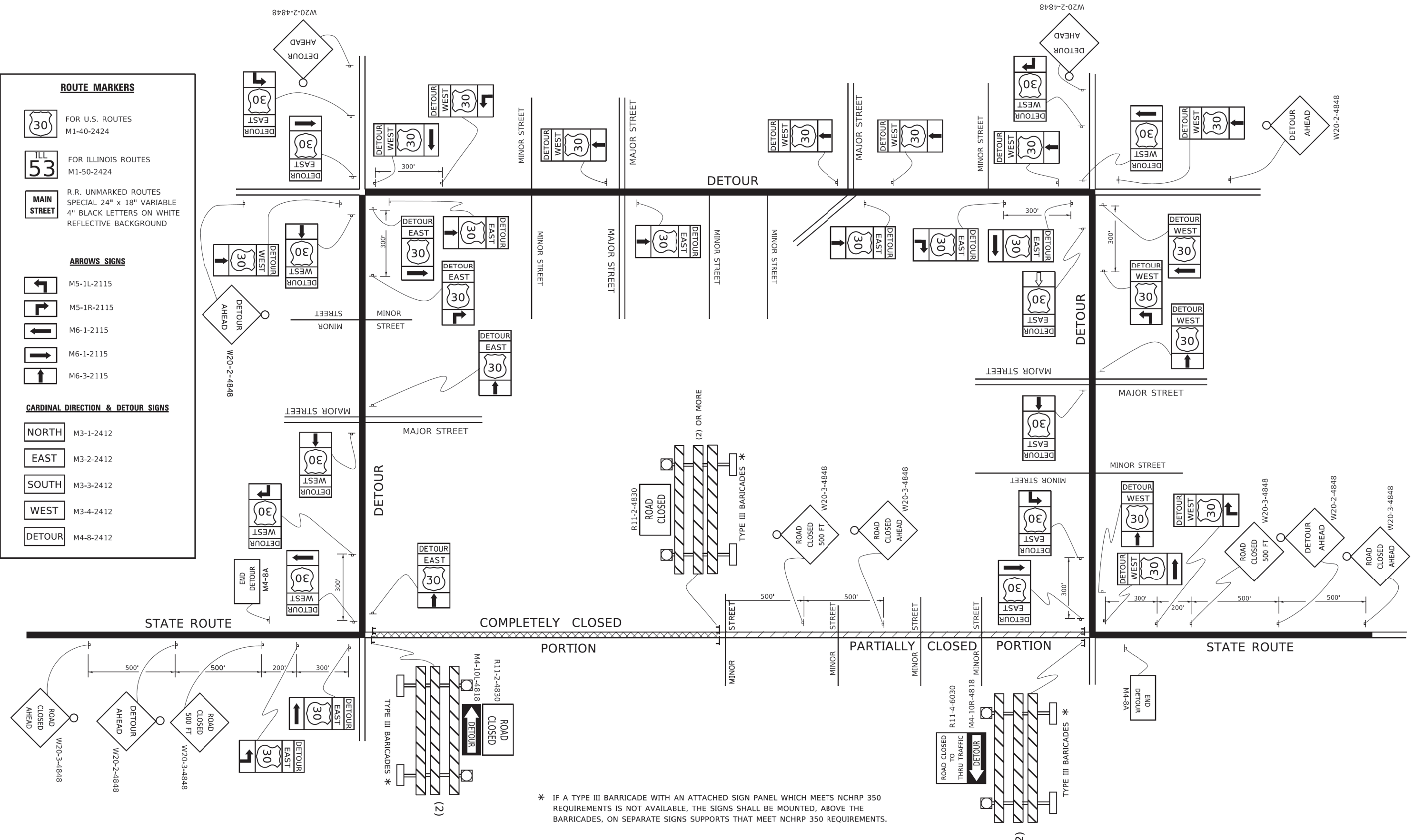
NORTH M3-1-2412

EAST M3-2-2412

SOUTH M3-3-2412

WEST M3-4-2412

DETOUR M4-8-2412



* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

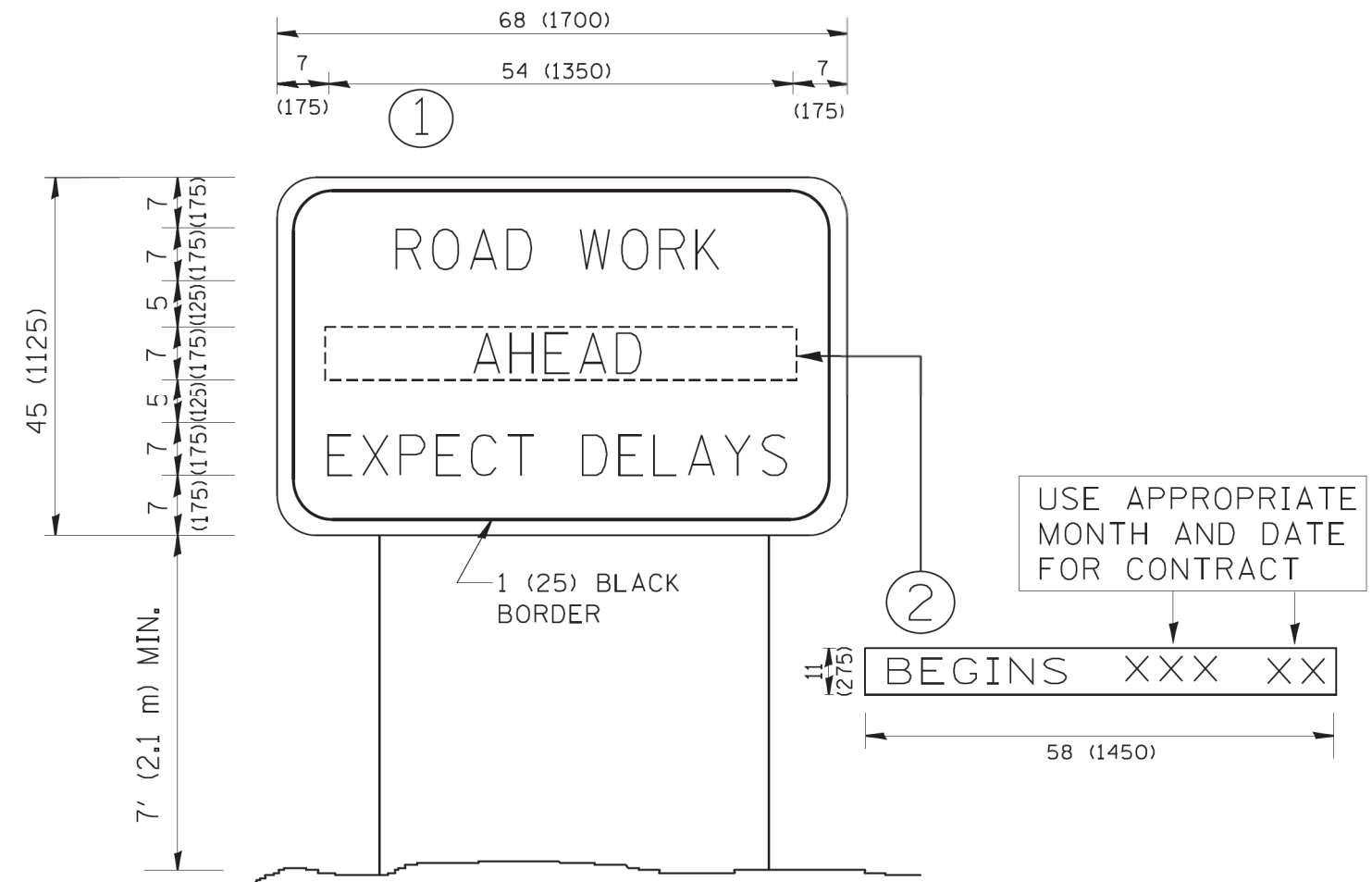
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PLOT DATE = 3/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETOUR SIGNING FOR CLOSING STATE HIGHWAYS			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	102
TC-21			CONTRACT NO. 61H26	
ILLINOIS FED. AID PROJECT NJW7(436)				

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 USER: geglennob
 PLOT DATE: 1/4/2020
 FILE NAME: W:\diststd\22x34\te22.dgn



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.

FILE NAME =	USER NAME = geglennob	DESIGNED -	REVISED - R. MIRS 09-15-97
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	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 1/4/2020	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	103
TC-22		CONTRACT NO. 61H26		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT NJW7(436)				



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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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRIVEWAY ENTRANCE SIGNING

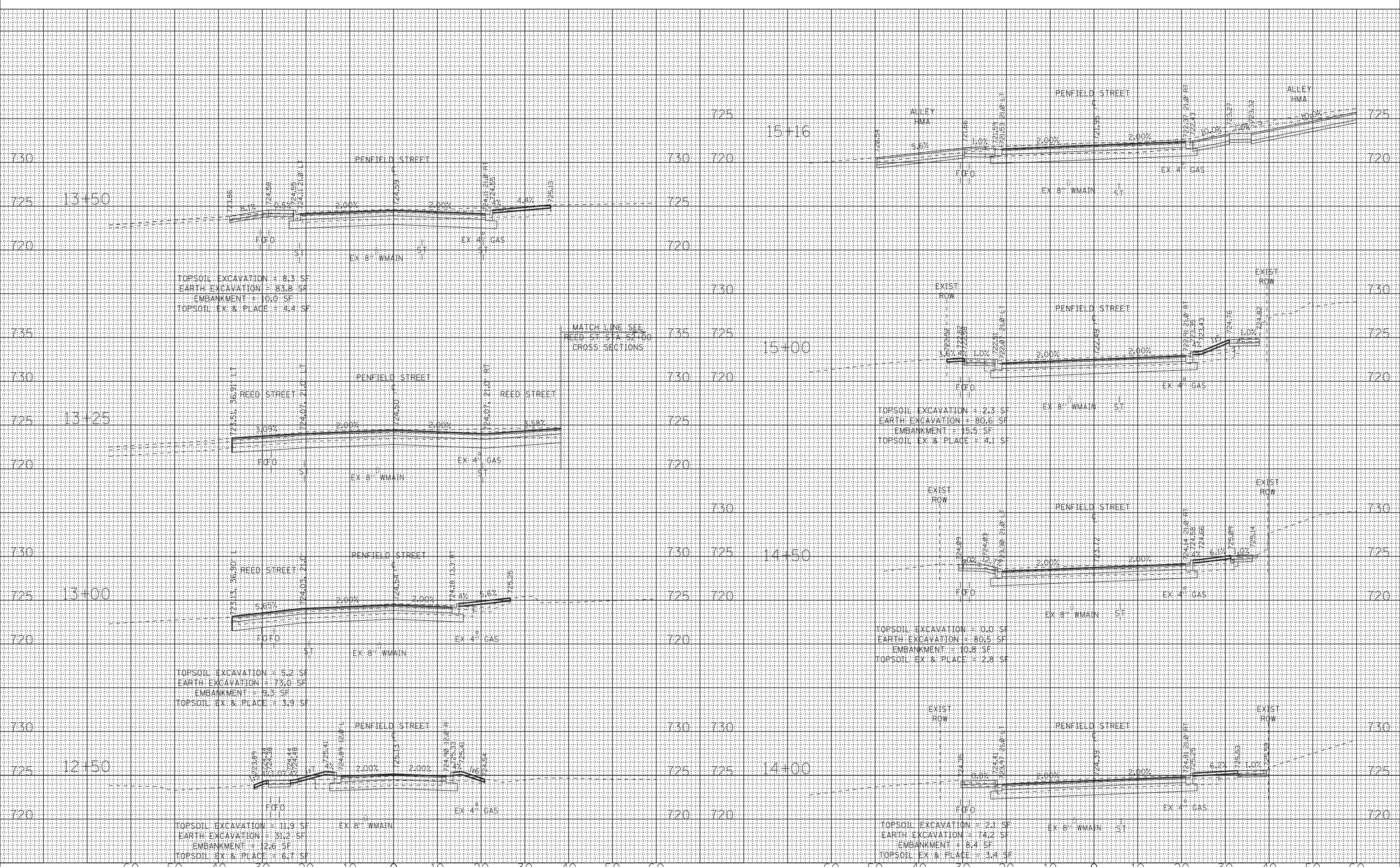
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423	15-00020-00-FP	WILL	117	104
TC-26			CONTRACT NO. 61H26	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT NJW7(436)				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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PLOT DATE =	1/4/2022	DATE -	12-17-21	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
PENFIELD STREET**

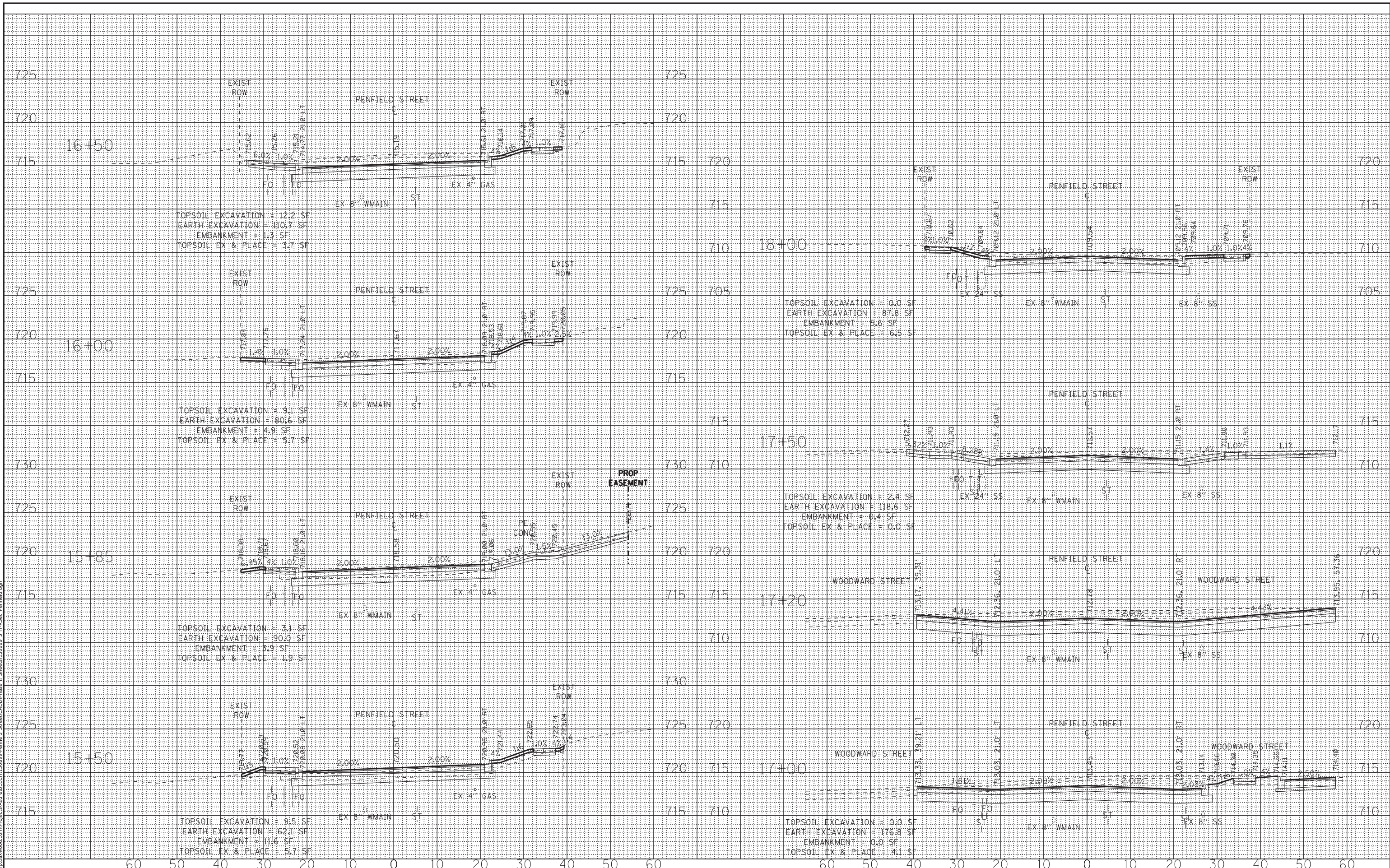
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			CONTRACT NO. 61H26	
		ILLINOIS	FED. AID PROJECT	

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

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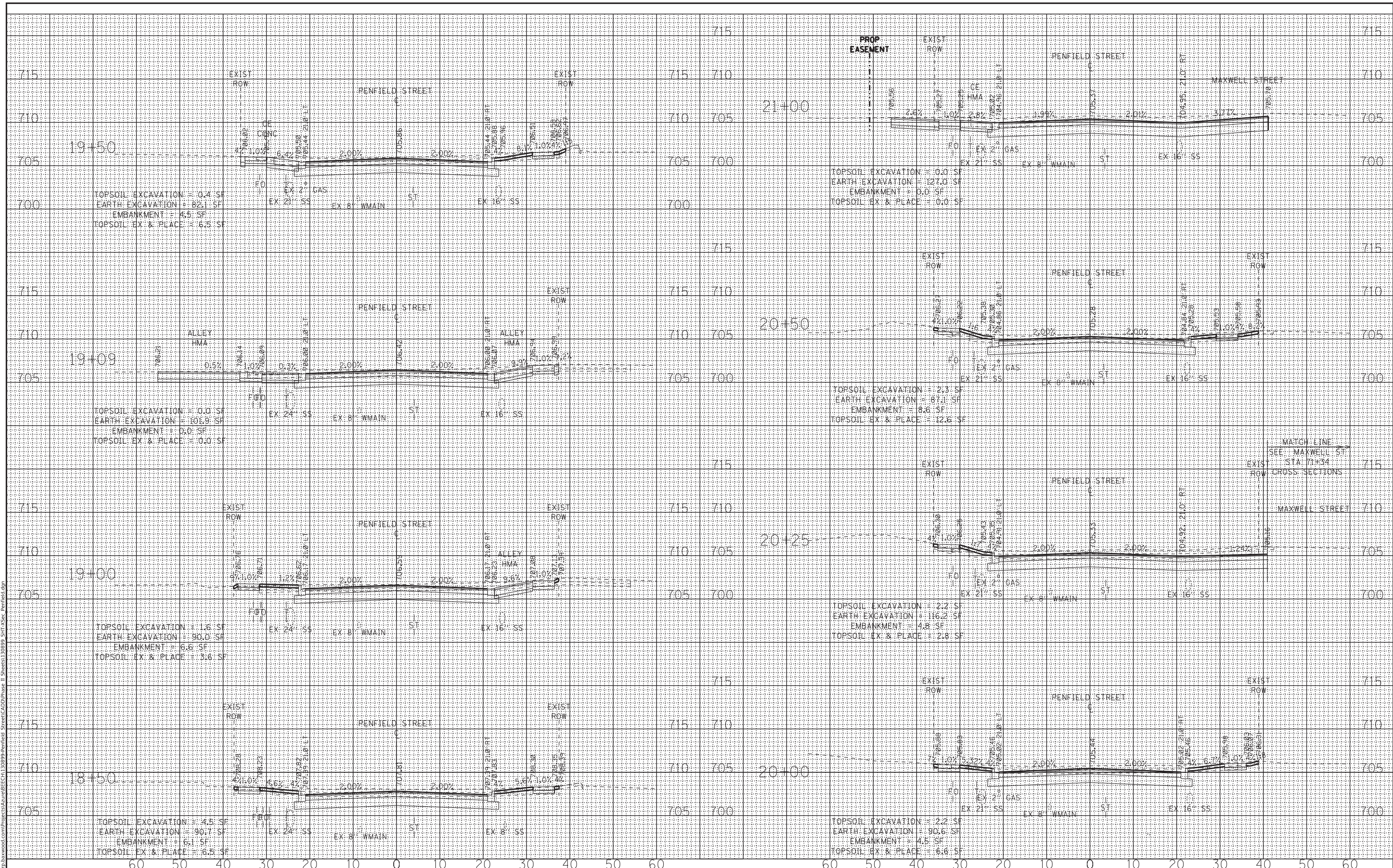
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS PENFIELD STREET			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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SHEET OF SHEETS STA. 15+50 TO STA. 18+00			CONTRACT NO. 61H26				
			ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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DATE	
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USER NAME =	kroberson	DESIGNED -		REVISED -	
		DRAWN -	KAR	REVISED -	
PLOT SCALE =	10.0000' / in.	CHECKED -	TMS	REVISED -	
PLOT DATE =	1/4/2022	DATE -	12-17-21	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
PENFIELD STREET**

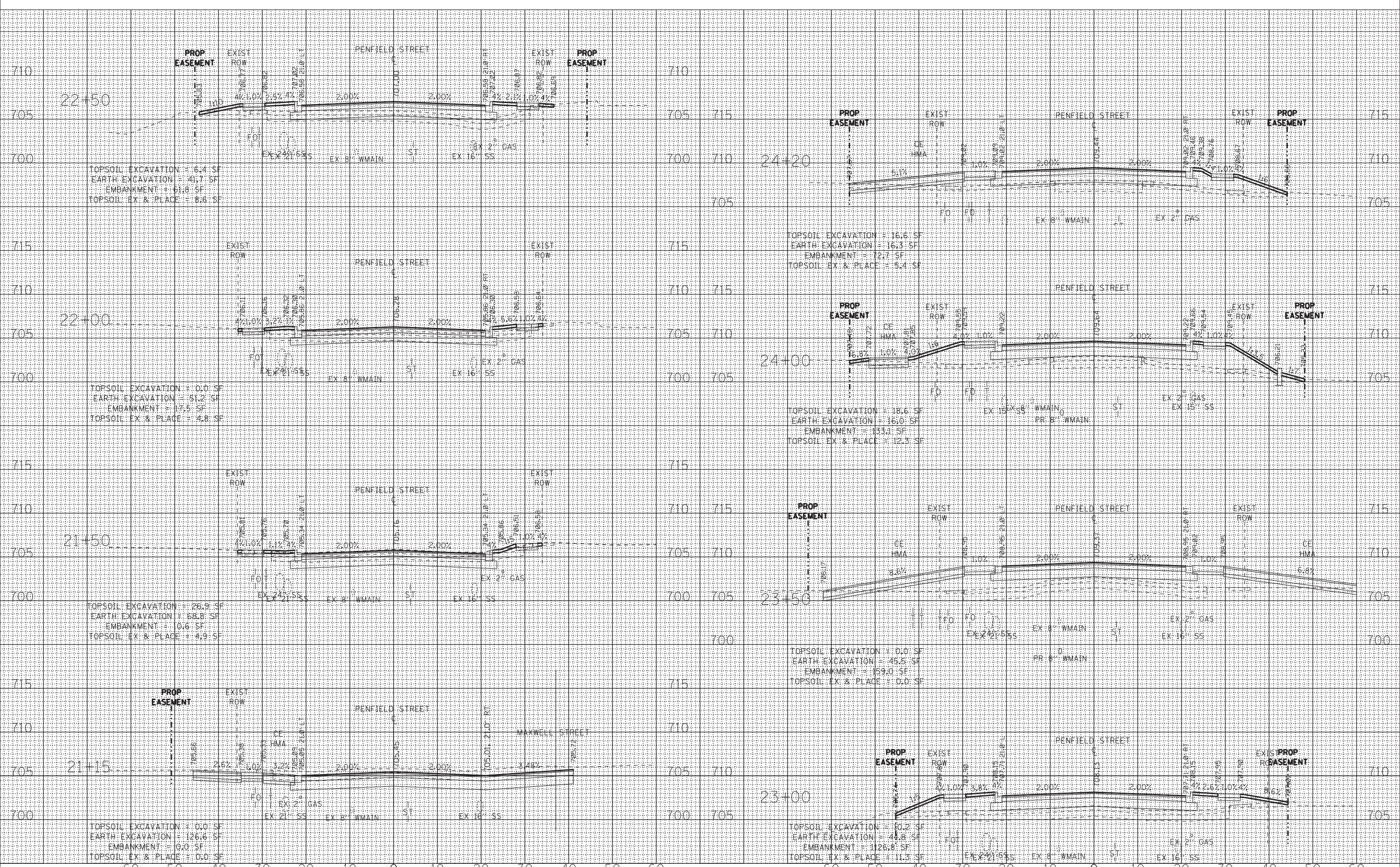
SCALE: H:1"=10'; V:1"=5' SHEET OF SHEETS STA. 18+50 TO STA. 21+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	107
				CONTRACT NO. 61H26
		ILLINOIS	FED. AID PROJECT	

DATE	
BY	
FINAL SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
NO.	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
NO.	
AREAS CHECKED	

MODEL: Default
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USER NAME =	kraberson	DESIGNED -		REVISED -	
		DRAWN -	KAR	REVISED -	
		CHECKED -	TMS	REVISED -	
		DATE -	12-17-21	REVISED -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 PENFIELD STREET**

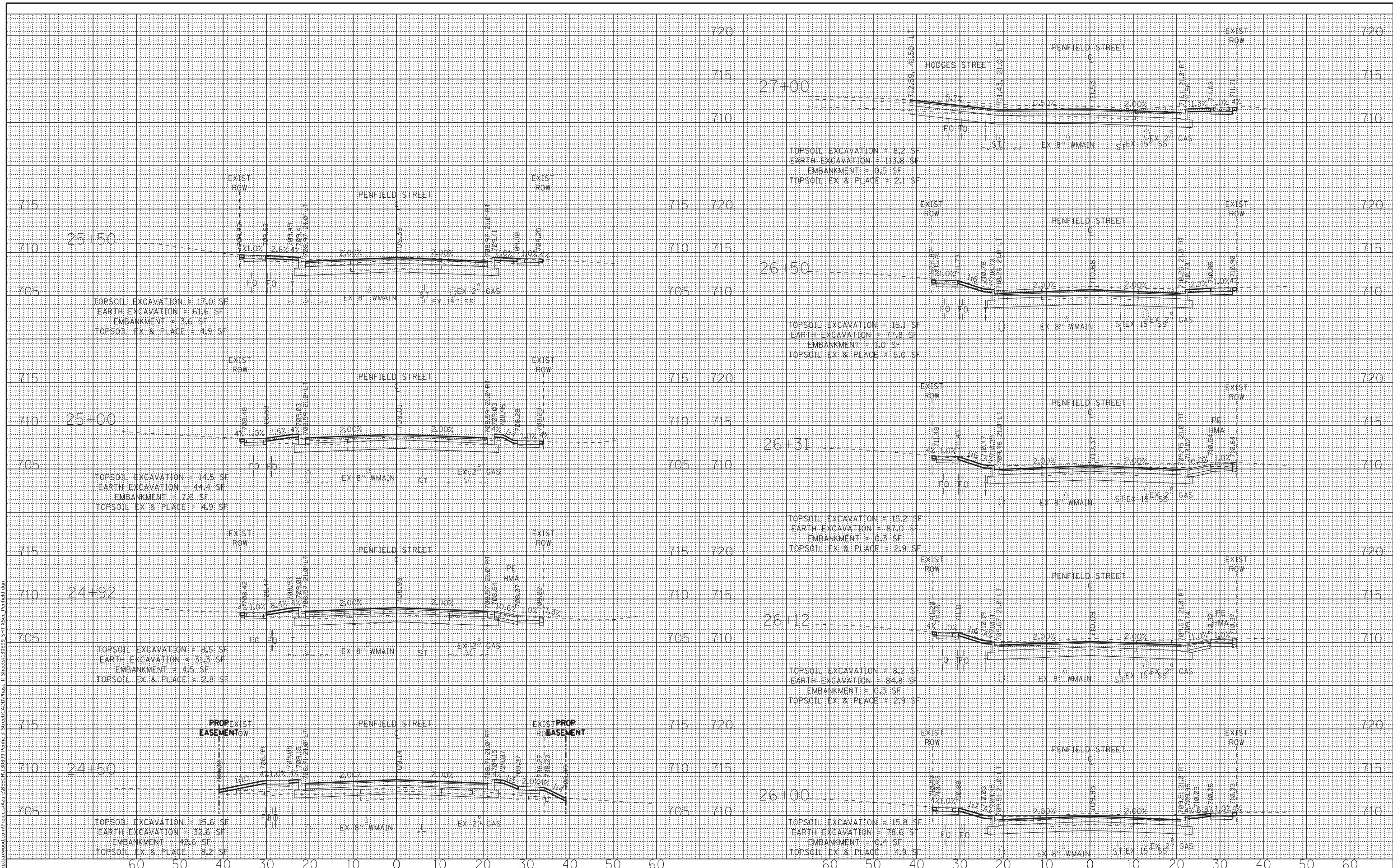
SCALE: H:1"=10'; V:1"=5' SHEET OF SHEETS STA. 21+15 TO STA. 24+20

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	108
				CONTRACT NO. 61H26
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

USER NAME =	kroberson	DESIGNED -	KAR	REVISED -	
		DRAWN -	KAR	REVISED -	
PLOT SCALE =	10.0000' / in.	CHECKED -	TMS	REVISED -	
PLOT DATE =	1/4/2022	DATE -	12-17-21	REVISED -	

SCALE: H:1"=10' V:1"=5'	SHEET	OF	SHEETS	STA. 24+50	TO STA. 27+00
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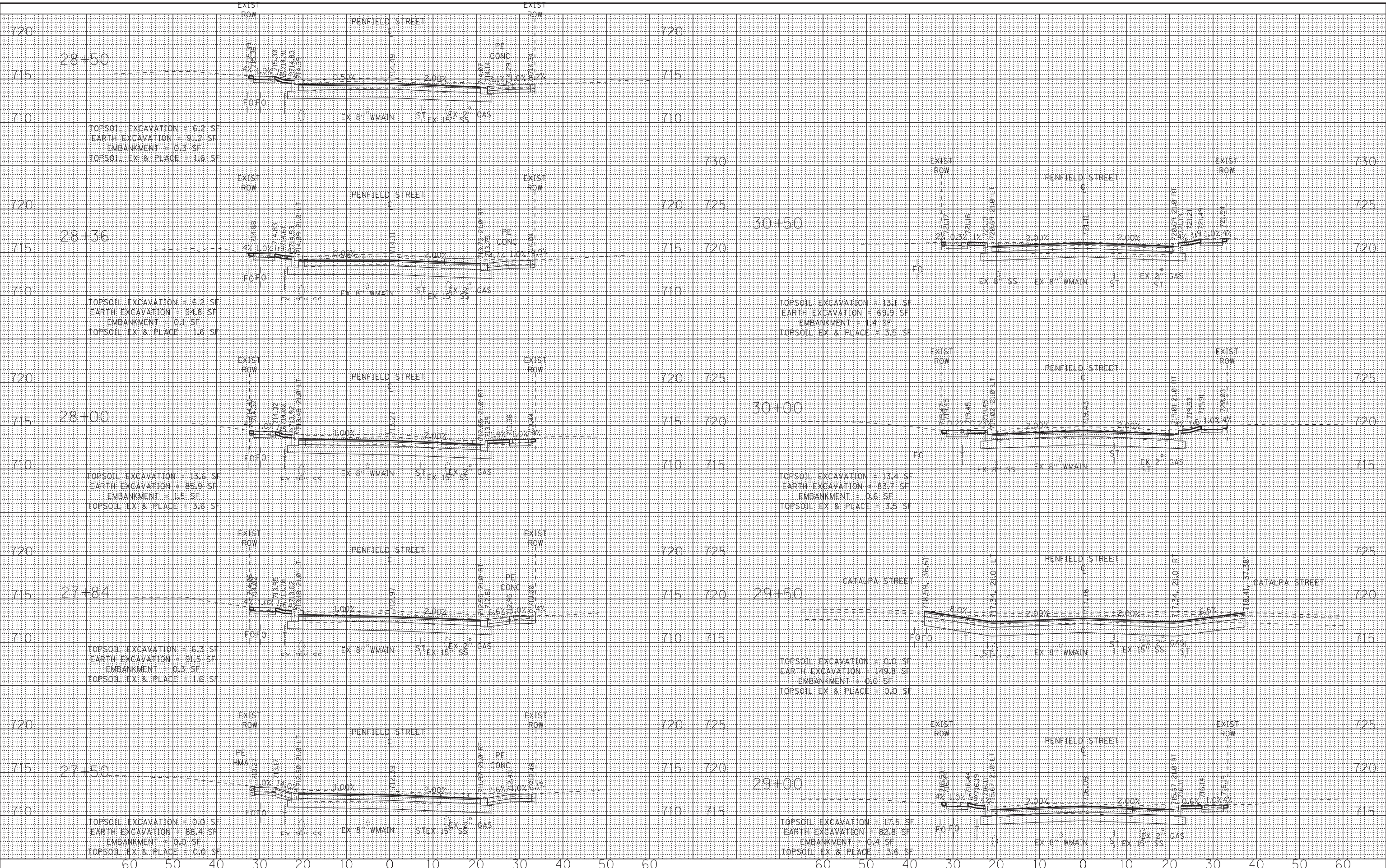
**CROSS SECTIONS
 PENFIELD STREET**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	109
			CONTRACT NO. 61H26	
		ILLINOIS	FED. AID PROJECT	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NO. BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NO. BOOK	
AREAS CHECKED	
NO.	

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USER NAME =	kroberson	DESIGNED -	KAR	REVISED -	
		DRAWN -	KAR	REVISED -	
PLOT SCALE =	10.0000' / in.	CHECKED -	TMS	REVISED -	
PLOT DATE =	1/4/2022	DATE -	12-17-21	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
PENFIELD STREET**

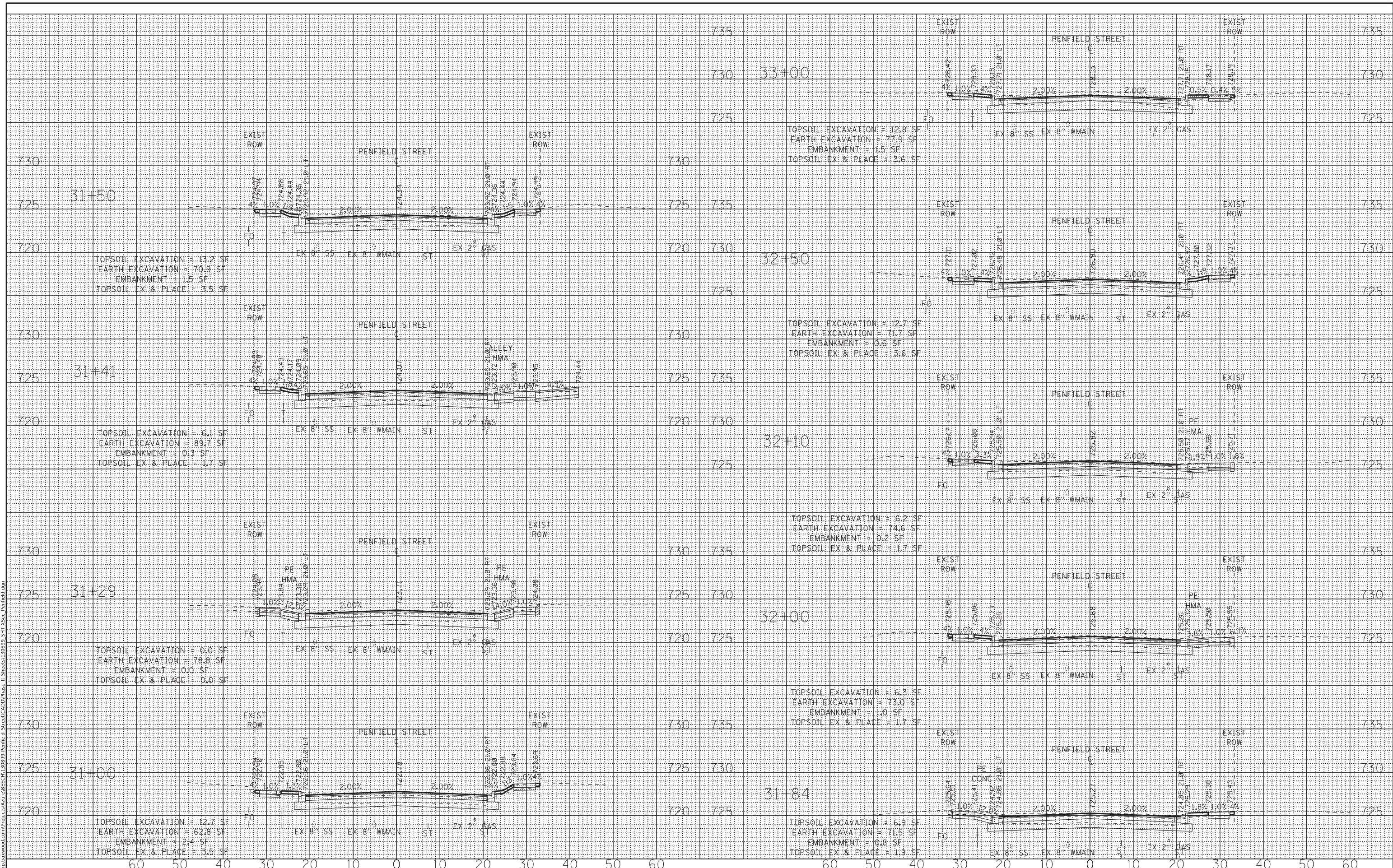
SCALE: H:1"=10' V:1"=5' SHEET OF SHEETS STA. 27+50 TO STA. 30+50

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	110
				CONTRACT NO. 61H26
				ILLINOIS FED. AID PROJECT

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	
FINAL SURVEY	
NOTE BOOK	
NO.	
AREAS CHECKED	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	
AREAS CHECKED	

MODEL: Default
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
PENFIELD STREET**

USER NAME = kroberson	DESIGNED -	REVISED -
	DRAWN - KAR	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - TMS	REVISED -
PLOT DATE = 1/4/2022	DATE - 12-17-21	REVISED -

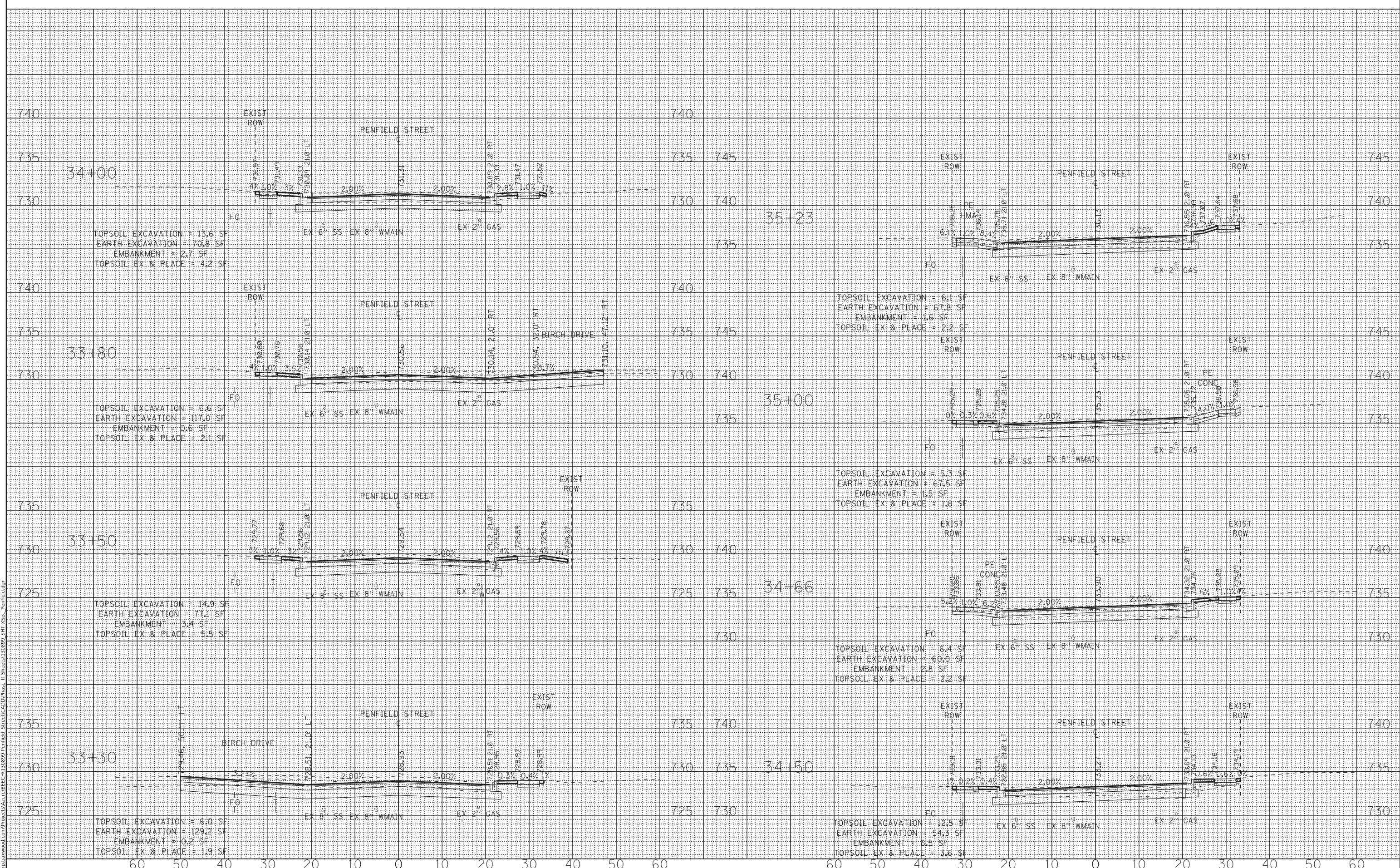
SCALE: H:1"=10'; V:1"=5' SHEET OF SHEETS STA. 31+00 TO STA. 33+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	111
CONTRACT NO. 61H26				
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		

MODEL: Default
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USER NAME =	kroberson	DESIGNED -		REVISED -	
		DRAWN -	KAR	REVISED -	
PLOT SCALE =	10.0000' / in.	CHECKED -	TMS	REVISED -	
PLOT DATE =	1/4/2022	DATE -	12-17-21	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
PENFIELD STREET**

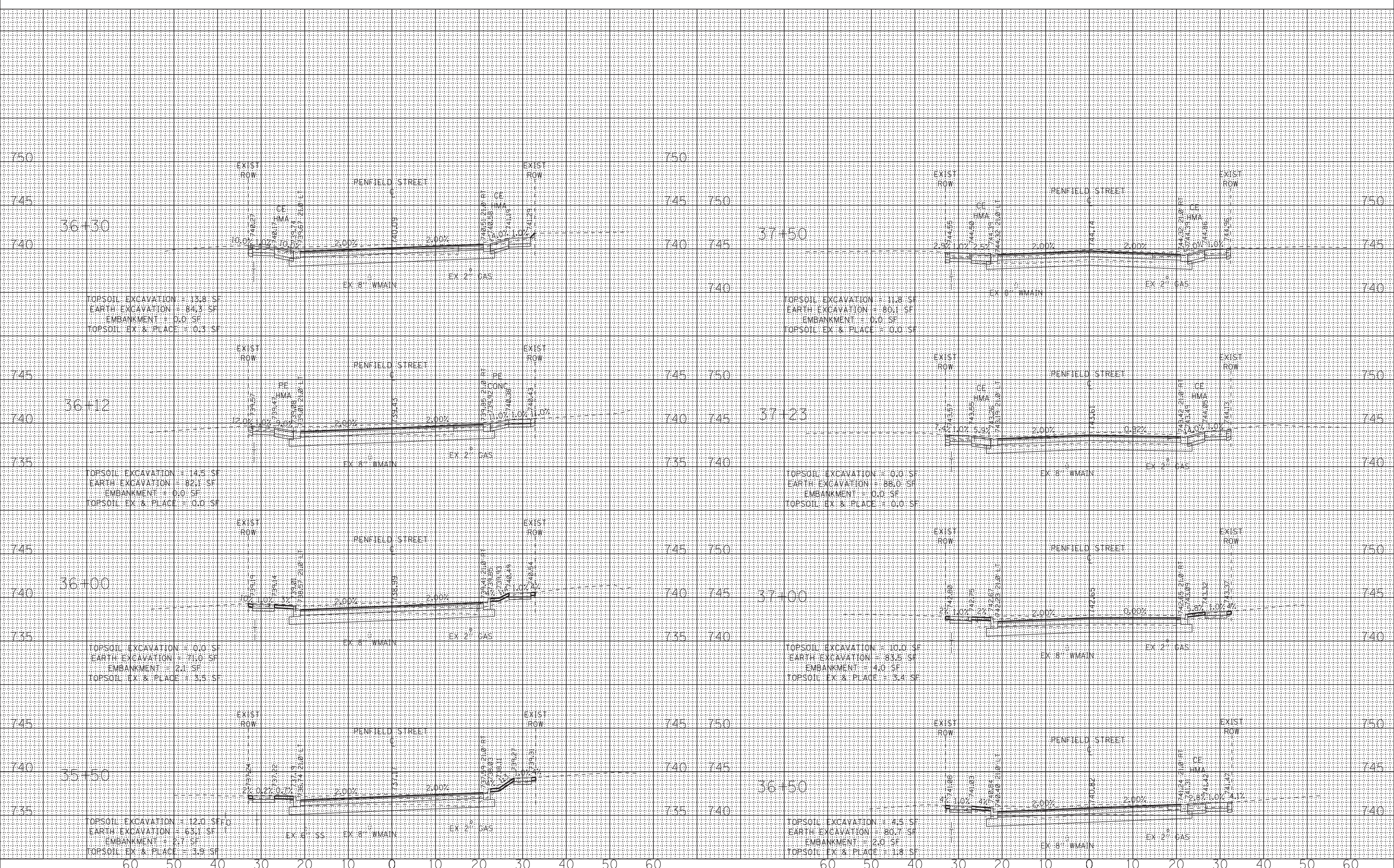
SCALE: H:1"=10'; V:1"=5' SHEET OF SHEETS STA. 33+30 TO STA. 35+23

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	112
				CONTRACT NO. 61H26
		ILLINOIS	FED. AID PROJECT	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

MODEL: Default
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USER NAME =	kroberson
DESIGNED -	
DRAWN -	KAR
CHECKED -	TMS
DATE -	12-17-21
REVISED -	
REVISED -	
REVISED -	
REVISED -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCALE: H:1"=10'; V:1"=5'	SHEET	OF	SHEETS	STA. 35+50	TO STA. 37+50
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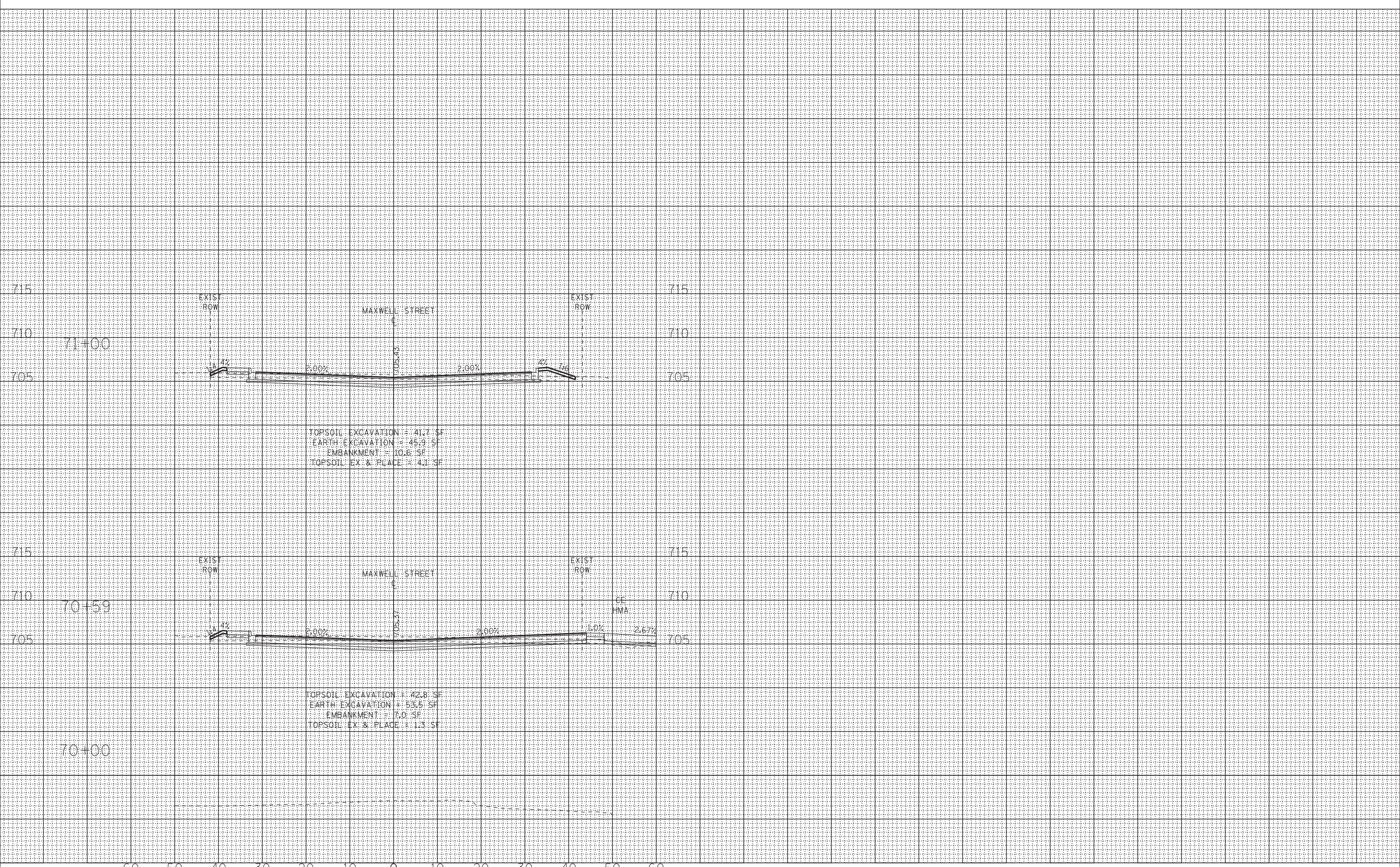
**CROSS SECTIONS
 PENFIELD STREET**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	113
				CONTRACT NO. 61H26
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

MODEL: Default
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USER NAME =	kroberson	DESIGNED -		REVISED -	
		DRAWN -	KAR	REVISED -	
PLOT SCALE =	10.0000' / in.	CHECKED -	TMS	REVISED -	
PLOT DATE =	1/4/2022	DATE -	12-17-21	REVISED -	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 MAXWELL STREET

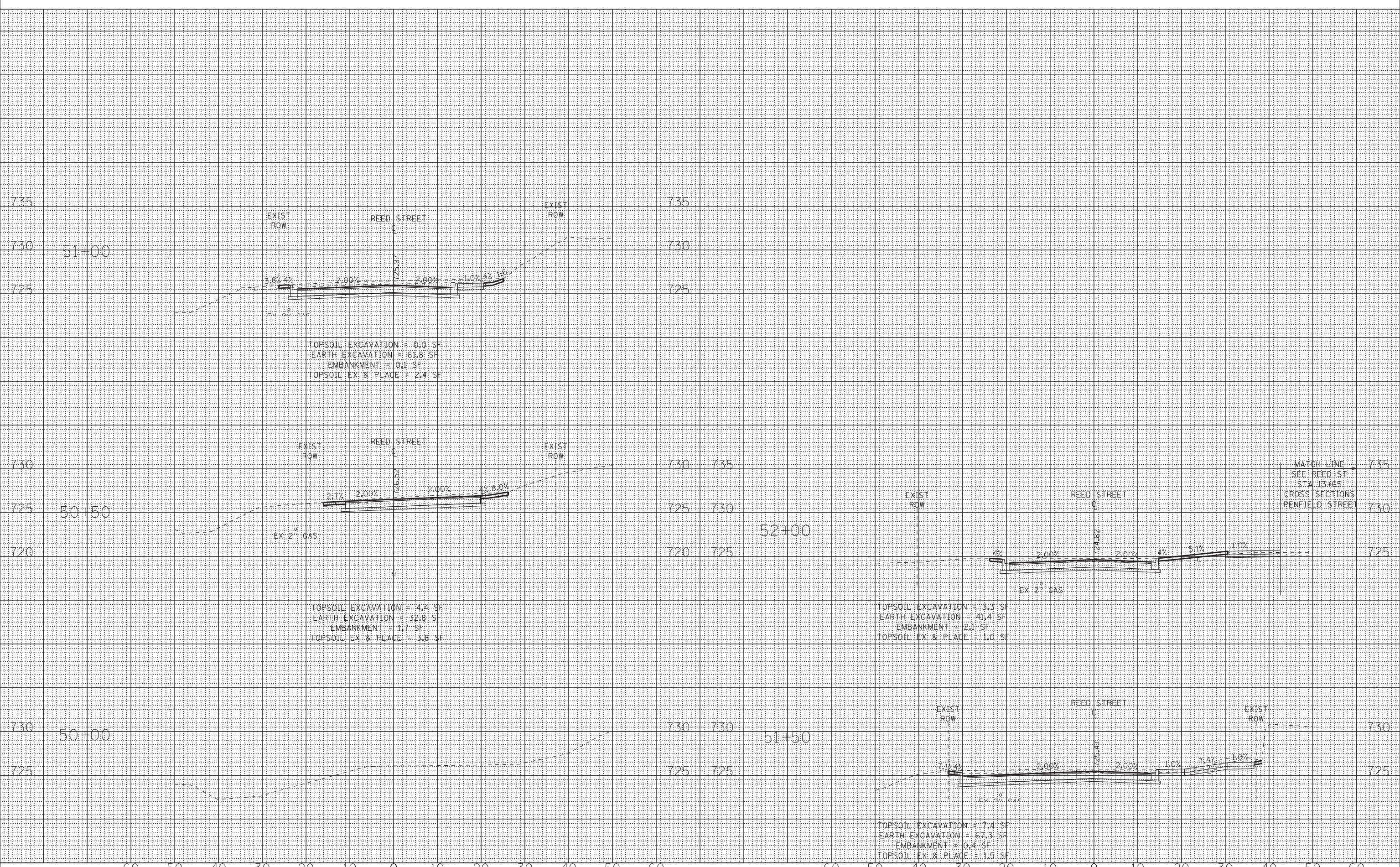
SCALE: H:1"=10'; V:1"=5' SHEET OF SHEETS STA. 70+00 TO STA. 71+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	114
CONTRACT NO. 61H26				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

MODEL: Default
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USER NAME =	kroberson	DESIGNED -		REVISED -	
		DRAWN -	KAR	REVISED -	
PLOT SCALE =	10.0000' / in.	CHECKED -	TMS	REVISED -	
PLOT DATE =	1/4/2022	DATE -	12-17-21	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
REED STREET**

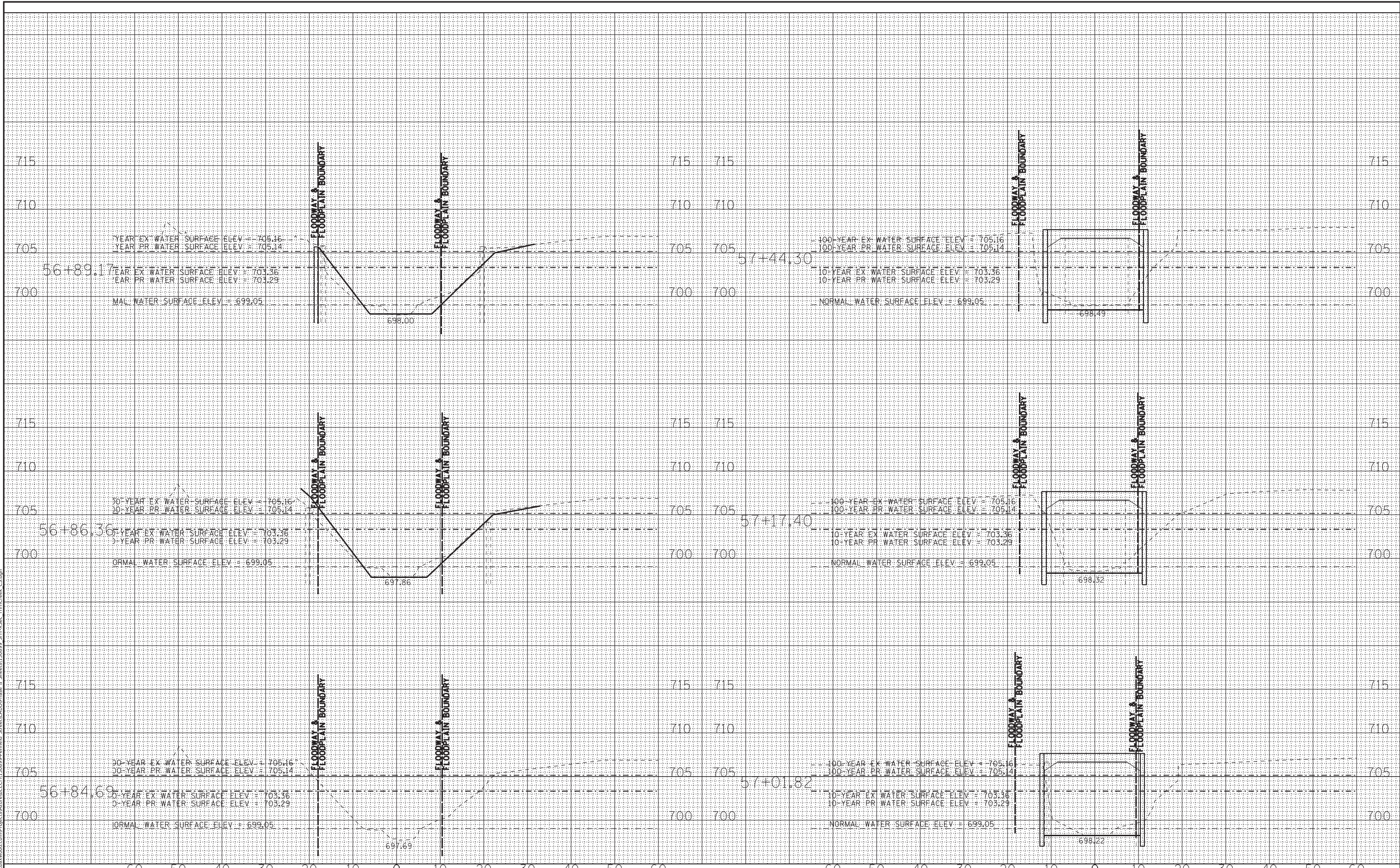
SCALE: H:1"=10'; V:1"=5' SHEET OF SHEETS STA. 50+00 TO STA. 52+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	115
				CONTRACT NO. 61H26
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS CHECKED	
	AREAS CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS CHECKED	
	AREAS CHECKED	

MODEL: Default
FILE NAME: W:\p\bxw\wood\Projects\Aurora\BEECH130899-Permitted_Street\ADD\Phase II Sheets\130899_SHT-VSec_TrimCreek_C5.dgn



BAXTER & WOODMAN
Consulting Engineers

USER NAME =	kroberson
DESIGNED -	
DRAWN -	KAR
PLLOT SCALE =	10.0000' / in.
PLLOT DATE =	1/4/2022

REVISIED -	
CHECKED -	TMS
DATE -	12-17-21
REVISIED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
TRIM CREEK

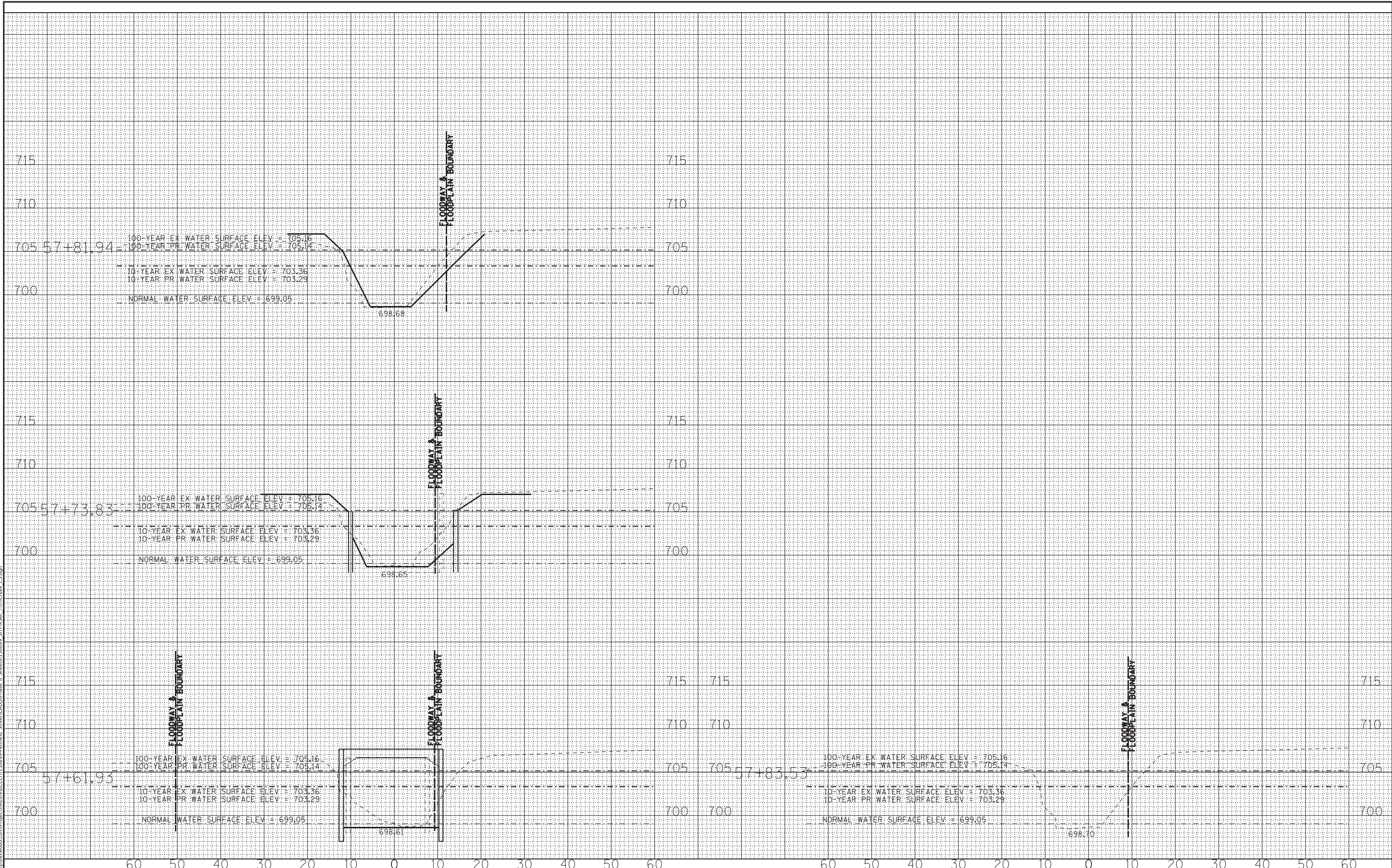
SCALE: H:1"=10'; V:1"=5' SHEET 1 OF 2 SHEETS STA. 56+84.69 TO STA. 57+44.30

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	116
				CONTRACT NO. 61H26
		ILLINOIS	FED. AID PROJECT	

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED

MODEL: Default
 FILE NAME: W:\p\boxwood.com\Projects\Aurora\BEECH130899-Permitted Street\CADD\Phase II Sheets\130899_SHT-VSec_TrimCreek_C5.dgn



BAXTER & WOODMAN
 Consulting Engineers

USER NAME =	kroberson	DESIGNED -		REVISED -	
		DRAWN -	KAR	REVISED -	
PLOT SCALE =	10.0000' / in.	CHECKED -	TMS	REVISED -	
PLOT DATE =	1/4/2022	DATE -	12-17-21	REVISED -	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 TRIM CREEK

SCALE: H:1"=10'; V:1"=5' SHEET 2 OF 2 SHEETS STA. 57+61.93 TO STA. 57+83.53

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
423	15-00020-00-FP	WILL	117	117
				CONTRACT NO. 61H26
		ILLINOIS	FED. AID PROJECT	