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STATE OF ILLINOIS CITY OF SPRINGFIELD

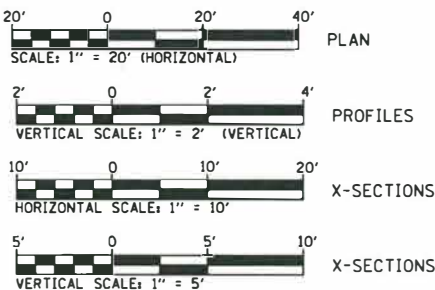
PLANS FOR PROPOSED IMPROVEMENT FOR SURFACE TRANSPORTATION - URBAN F.A.U. ROUTE 8011 (ARCHER ELEVATOR ROAD)

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8011	17-00431-02-PV	SANGAMON	79	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 93719		

IDOT STANDARDS

000001-07	602402-02	701501-06
001006	602406-10	701502-09
280001-07	602411-08	701701-10
420001-09	602416-08	701801-06
424001-11	602601-06	701901-08
424016-05	602701-02	720001-01
424026-03	604001-04	720006-04
542301-03	604006-05	728001-01
542306-03	604036-03	780001-05
601001-05	606001-07	B.L.R. 17-4
602301-04	701001-02	B.L.R. 21-9
602306-03	701006-05	B.L.R. 22-7
602401-06	701301-04	

**SECTION: 17-00431-02-PV
PROJECT NO: 66WG (930)
JOB NO: C-96-034-18
SANGAMON COUNTY**



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

UTILITIES

SANGAMON COUNTY WATER RECLAMATION DISTRICT
3017 N. EIGHTH STREET
SPRINGFIELD, IL. 62707
ATTENTION: GREGG HUMPHREY, 217-528-0491

COMCAST
711 SOUTH DIRKSEN PARKWAY
SPRINGFIELD, IL. 62703
ATTENTION: DAVE BLY 217-306-3759

A.T.&T.
1640 E. HAZEL DELL
SPRINGFIELD, IL. 62670
ATTENTION: JAMES DARR 217-789-8771

AMEREN
825 NORTH MACARTHUR
SPRINGFIELD, IL. 62702
ATTENTION: RICK COMBS, 217-753-5187 (GAS)

CITY WATER, LIGHT & POWER- WATER DEPARTMENT
401 N. 11TH STREET
SPRINGFIELD, IL. 62702
ATTENTION: MICHAEL JOHNSON 217-789-2323

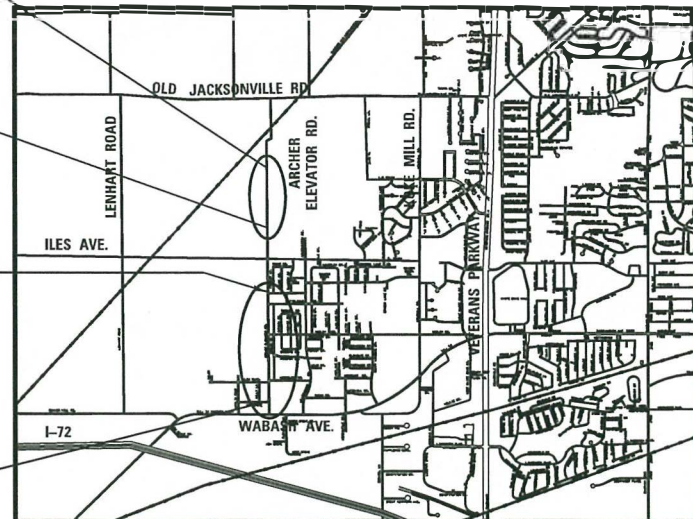
CITY WATER, LIGHT & POWER- ELECTRIC DEPARTMENT
1008 EAST MILLER ST.
SPRINGFIELD, IL. 62702
ATTENTION: DAVID MIHELIC 217-321-1373

**PROJECT ENDS
(NORTH SECTION)
ARCHER ELEVATOR RD.
STA. 89 + 30.00**

**PROJECT BEGINS
(NORTH SECTION)
ARCHER ELEVATOR RD.
STA. 76 + 22.84**

**PROJECT ENDS
(SOUTH SECTION)
ARCHER ELEVATOR RD.
STA. 49 + 71.36**

**PROJECT BEGINS
(SOUTH SECTION)
ARCHER ELEVATOR RD.
STA. 14 + 65.00**



LOCATION MAP



F.A.U. ROUTE 8011 (ARCHER ELEVATOR ROAD)
DESIGN DESIGNATION: MINOR ARTERIAL (URBAN)
DESIGN ADT = 9,700
DESIGN SPEED = 40 MPH
LENGTH OF IMPROVEMENT = 4,813.52 FEET = 0.912 MILES



APPROVED June 3 2019
North Botton
CITY ENGINEER, SPRINGFIELD, ILLINOIS

PASSED 6-4 2019
Ch L DeBell
DISTRICT SIX ENGINEER OF
LOCAL ROADS & STREETS

Releasing For
Bid Based on
Limited Review 6-4 2019
Jeffrey P Myer C.E.
REGION FOUR ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SEAL
SIGNATURE: Brian Bond
DATE SIGNED: 6/3/19
LICENSE EXPIRATION DATE: 11/30/19



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

CONTRACT NO. 93719

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

GENERAL NOTES

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," ADOPTED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION ON APRIL 1, 2016; AND THE LATEST EDITION OF THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS."
- WHERE SECTION OR SUB-SECTION STONES OR PROPERTY MARKERS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE STONES OR MARKERS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND PRESERVE ALL MONUMENTS AND PROPERTY MARKERS UNTIL AN AUTHORIZED AGENT OR LAND SURVEYOR HAS WITNESSED THEIR LOCATION. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR RE-SETTING SAID MONUMENTS AND/OR PROPERTY MARKERS.
- DEPRESS CURBS ACROSS ALL ENTRANCES, PER STD. 606001.
- DOMESTIC BUFFALO BOXES AND METER VAULTS IN THE AREA WHERE THE IMPROVEMENTS ARE TO TAKE PLACE SHALL BE MOVED OR ADJUSTED, IF NECESSARY, BY THE CONTRACTOR.
- THE LOCATIONS OF BURIED AND ABOVE GROUND UTILITIES SHOWN ARE APPROXIMATE AND ARE SHOWN FOR CONTRACTOR INFORMATIONAL USE ONLY AND ARE NOT TO BE REFERENCED FOR CONSTRUCTION PURPOSES. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUED BY THE OWNER, ENGINEER, CONTRACTOR, OR SUBCONTRACTORS TO BE AN ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE. BURIED AND ABOVE GROUND UTILITY LOCATION, IDENTIFICATION, AND MARKING ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR, REROUTING, DISCONNECTION, PROTECTION, ETC. OF ANY UTILITIES MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY, AND OWNER.
- UTILITY COMPANIES MAY BE ADJUSTING THEIR FACILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL COOPERATE WITH THESE ORGANIZATIONS WHILE THESE ADJUSTMENTS ARE BEING PERFORMED. CALL J.U.L.I.E. JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS SYSTEM (800)892-0123 OR 811.
- WHERE PROPOSED CONSTRUCTION ABUTS EXISTING APPURTENANCES, A SAW CUT SHALL BE MADE TO ACHIEVE A NEAT BUTT JOINT. SAW CUTS WILL NOT BE PAID FOR SEPARATELY. COST OF SAW CUTS SHALL BE INCIDENTAL TO THE TYPE OF WORK ENCOUNTERED.
- ONLY THOSE TREES INDICATED IN THE PLANS TO BE REMOVED SHALL BE REMOVED UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE CONTRACTOR WILL PROTECT ALL REMAINING TREES FROM DAMAGE. ALL TREES AND SHRUBS INDICATED ON PLANS FOR REMOVAL SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.
- ALL COORDINATES SHOWN ON THE PLANS ARE BASED ON NAD83 DATUM (STATE PLANE COORDINATES) AND ALL ELEVATIONS SHOWN ON THE PLANS ARE BASED ON NAVD88 DATUM.
- THE FOLLOWING HAVE BEEN USED IN CALCULATING THE PLAN QUANTITIES:

AGGREGATE:	
- PUGGED AGGREGATE	2.05 TONS/CU.YD.
- ALL OTHER AGGREGATE	1.89 TONS/CU. YD.
BITUMINOUS MATERIALS:	
- ON PAVEMENT	0.05 LB/SQ. FT.
- INTERMEDIATE LIFTS (TACK COAT)	0.025 LB/SQ. FT.
- ON AGGREGATE SURFACE	0.25 LB/SQ. FT.
AGGREGATE (PRIME COAT)	4 LBS./SQ.YD.
SEEDING FERTILIZER RATIO (NIT:PHOS:POT)	90:90:90 LBS./AC.
AGRICULTURAL GROUND LIMESTONE	2.00 TONS/AC.

- DETECTABLE WARNINGS SHALL BE INSTALLED AT ALL LOCATIONS WHERE SIDEWALK CROSSES ENTRANCES IN ACCORDANCE WITH IDOT STD. 424026 REGARDLESS OF THE PERMANENT TRAFFIC CONTROL.
- PROPOSED SIDEWALKS ACROSS DRIVES SHALL MATCH THE DEPTH OF THE ADJACENT DRIVE. COST FOR ADDITIONAL MATERIAL SHALL BE INCLUDED IN UNIT PRICE FOR PCC SIDEWALK, 4", NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.37 OF THE STANDARD SPECIFICATIONS. POTENTIAL J.U.L.I.E. MEMBERS ACTIVE IN THE VICINITY OF THE PROJECT ARE LISTED ON THE COVER SHEET.
- STORM SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, JUNE 2014.
- THE EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION WILL BE REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER ACCORDING TO ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS. AFTER THE CONSTRUCTION IS COMPLETED, THE CONTRACTOR WILL RE-ERECT THE SIGNS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO COMPENSATION WILL BE ALLOWED.
- ITEMS TO BE REMOVED, INCLUDING BUT NOT LIMITED TO VEGETATION, TREES, STRUCTURES, PAVEMENT, CURBS AND GUTTERS, DRAINAGE STRUCTURES, UTILITIES, AND SIGNAGE ARE DESIGNATED ON THE PLAN DRAWINGS.

GENERAL NOTES

- GRADING SHALL BE DONE BY HAND AROUND LIGHT POLES, UTILITY POLES, SIGN POSTS, SHRUBS, TREES OR OTHER NATURAL OR MAN-MADE OBJECTS WHERE SHALLOW FILLS OR CUTS ARE ADJACENT TO THE ITEMS. IT IS THE INTENT THAT THE LIMITS OF CONSTRUCTION BE SUCH AS TO PRESERVE IN THE ORIGINAL STATE AS MUCH AREA OF TEMPORARY EASEMENTS AS POSSIBLE. THE DECISION AS TO ITEMS TO REMAIN IN PLACE SHALL BE AS DIRECTED BY THE ENGINEER.
- TEMPORARY EROSION CONTROL SEEDING IS INCLUDED IN THIS CONTRACT TO SEED NEW EARTH SLOPES DURING THE PERIODS WHEN PERMANENT SEEDING IS NOT ALLOWED. SOME OR ALL OF THE TEMPORARY EROSION CONTROL SEEDING WILL BE DELETED IF IT IS POSSIBLE TO PLACE PERMANENT SEEDING ON EARTH SLOPES AT THE TIME OF THEIR COMPLETION.
- REMOVAL OF THE EXISTING OIL AND CHIP, HOT-MIX ASPHALT, BITUMINOUS AGGREGATE SURFACE, NOT ON A RIGID TYPE BASE, SHALL BE REMOVED AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION.
- THE REMOVAL OF EXISTING HOT-MIX ASPHALT SURFACE ON A RIGID TYPE BASE SHALL BE REMOVED WITH THE BASE AS PAVEMENT REMOVAL.
- THE CONTRACTOR SHALL TAKE REASONABLE PRECAUTIONS TO PROTECT PUBLIC AND PRIVATE PROPERTY. IF AT ANY TIME, HE/SHE DAMAGES OR DESTORYS PUBLIC OR PRIVATE PROPERTY, THE CONTRACTOR SHALL, AT HIS/HER OWN EXPENSE, RESTORE SUCH PROPERTY TO A CONDITION EQUAL TO THAT EXISTING BEFORE SUCH DAMAGE.
- MODIFICATIONS TO EXISTING INLETS OR MANHOLES NECESSARY TO CONNECT PROPOSED STORM SEWER PIPE SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.
- ALL TREE BRANCHES, TREE ROOTS, AND SHRUBS IN CONFLICT WITH THE CONSTRUCTION OF PROPOSED IMPROVEMENTS SHALL BE REMOVED OR TRIMMED BACK AT THE DISCRETION OF THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT PRICE FOR OTHER WORK, EXCEPT THAT PAYMENT WILL BE MADE FOR TREE PRUNING AS INDICATED IN THE SPECIAL PROVISIONS AND SHOWN IN THE PLANS.
- ALL CONNECTIONS TO EXISTING DRAINAGE STRUCTURES OR FIELD ADJUSTMENTS TO PROPOSED DRAINAGE STRUCTURES SHALL BE MADE BY DRILLING OR SAWCUTTING THE DRAINAGE STRUCTURE, INSERTING THE PROPOSED PIPE AND GROUTING THE CONNECTION TO FORM A WATER TIGHT SEAL TO THE SATISFACTION OF THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE OF THE PROPOSED ITEM BEING CONNECTED.
- ALL EXISTING SUMP PUMP AND DOWNSPOUT DRAIN TILE ENCOUNTERED DURING CONSTRUCTION SHALL BE CONNECTED TO PROPOSED DITCHES WHERE POSSIBLE. IF THE DRAIN TILE CANNOT BE CONNECTED TO PROPOSED DITCHES, THE DRAIN TILE SHALL BE CONNECTED TO PROPOSED STORM SEWER STRUCTURES AT THE DIRECTION OF THE ENGINEER AND IN ACCORDANCE WITH THE SPECIAL PROVISIONS. A NOMINAL QUANTITY OF STONE RIPRAP, CLASS A2 HAS BEEN INCLUDED FOR TREATING THE DRAIN TILE OUTLETS INTO DITCHES AT THE DIRECTION OF THE ENGINEER. ANY REMOVAL OF EXISTING DRAIN TILE SHALL BE CONSIDERED INCIDENTAL TO THE IMPROVEMENTS BEING CONSTRUCTED AND NO COMPENSATION WILL BE ALLOWED.

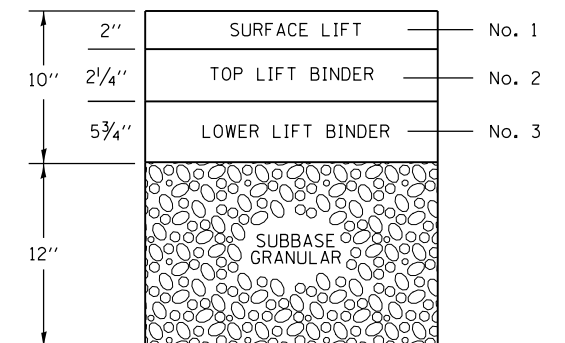
MIXTURE REQUIREMENTS

MIXTURE NUMBER:	No. 1	No. 2	No. 3
LOCATION(S):	TOP 2" OF 10" HMA FULL-DEPTH PAVEMENT, TOP 2" OF HMA SHLD.	TOP 2 1/4" BINDER LIFT OF 10" HMA FULL-DEPTH PAVEMENT	BOTTOM LIFT OF 10" HMA FULL-DEPTH PAVEMENT BOTTOM 4" OF HMA SHOULDER
MIXTURE USE(S):	BITUMINOUS CONCRETE SURFACE LIFT	TOP BINDER LIFT	LOWER BINDER LIFT
AC/PG:	SBS PG 64-28	SBS PG 64-28	PG 64-22
DESIGN AIR VOIDS:	4.0% @ Ndesign = 50	4.0% @ Ndesign = 50	4.0% @ Ndesign = 50
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-9.5	IL-19.0	IL-19.0
FRICITION AGGREGATE:	MIX "D"	N/A	N/A
QUALITY MANAGEMENT:	QC/OA	QC/OA	QC/OA

COMMITMENTS

- IMPACTS ON TREES SHALL BE MITIGATED IN ACCORDANCE WITH IDOT DEPARTMENTAL POLICY D&E-18 PRESERVATION AND REPLACEMENT OF TREES. AS SUCH TREE REMOVALS SHOWN IN THE PLANS SHALL BE MARKED IN THE FIELD AND VERIFIED BY THE ENGINEER PRIOR TO REMOVAL BY THE CONTRACTOR. ALL TREES REMOVED SHALL BE REPLACED AT A 1:1 RATIO WITH THE SPECIES AND DISTRIBUTIONS AS SPECIFIED IN THE SUMMARY OF QUANTITIES. ALL REMAINING TREES SHALL BE PROTECTED BY THE CONTRACTOR FROM DAMAGE DUE TO THEIR OPERATIONS.
- THE CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH THE PROVISIONS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) STORM WATER PERMIT AND IMPLEMENT THE EROSION CONTROL PLAN INCLUDED IN THESE PLANS AND SPECIFIED HEREIN. AS SPECIFIED IN ARTICLE 107.23, THE ENGINEER MUST GIVE PRIOR APPROVAL BEFORE DISTRUBANCE OF ANY AREA CAN BEGIN.
- SINCE THE PRELIMINARY ENVIRONMENTAL SITE ASSESSMENT (PESA) IDENTIFIED POTENTIAL HAZARDOUS WASTE SITES, FOLLOW-UP PRELIMINARY SITE INVESTIGATIONS (PSI) WERE CONDUCTED AND THE RESULTS AND REQUIREMENTS IDENTIFIED IN THESE INVESTIGATIONS SHALL BE IMPLEMENTED DURING CONSTRUCTION ACTIVITIES. SEE SPECIAL PROVISIONS FOR DETAILS.

STRUCTURAL DESIGN INFORMATION (ARCHER ELEVATOR ROAD)
CLASS II STREET DESIGN TRAFFIC (2026): P.V. = 7,520 S.U. = 320 M.U. = 160 T.F. = 0.986 DESIGN STRAIN = 108 (MICROSTRAIN) E = 520 ksi (PG 70-22) SSR = FAIR
CONSTRUCT: 10" HMA (FULL DEPTH) ON 12" GRANULAR SUBGRADE



ARCHER ELEVATOR ROAD BITUMINOUS LIFT DIAGRAM

SUMMARY OF QUANTITIES

SP	CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
					0003	0028	
•	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	353		353	
•	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	180		180	
•	20101100	TREE TRUNK PROTECTION	EACH	59		59	
Δ	20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	17		17	
Δ	20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	49		49	
Δ	20101700	SUPPLEMENTAL WATERING	UNIT	131		131	
•	20200100	EARTH EXCAVATION	CU YD	17,909	14,924	2,985	
•	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	300	250	50	
	20800150	TRENCH BACKFILL	CU YD	1,286.0	1,072.0	214.0	
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	600	500	100	
•	21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	2,946	2,455	491	
Δ	25000200	SEEDING, CLASS 2	ACRE	4.75	4.00	0.75	
Δ	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	431	359	72	
Δ	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	431	359	72	
Δ	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	431	359	72	
Δ	25000700	AGRICULTURAL GROUND LIMESTONE	TON	9.5	7.9	1.6	
Δ	25100125	MULCH, METHOD 3	ACRE	4.75	4.00	0.75	
Δ	•	25100630	EROSION CONTROL BLANKET	SQ YD	2,600	2,167	433
•	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	475	395	80	
•	28000305	TEMPORARY DITCH CHECKS	FOOT	264	264		

• SP = SEE SPECIAL PROVISION Δ SPECIALTY ITEMS

FILE NAME = L:\Springfield\0702501\Draw\Sheets\Cont	USER NAME = Brian Bond ast_2\02-06-Sht_500.dgn	DESIGNED - BMB DRAWN - GLD/RAH	REVISED - REVISED -	CITY OF SPRINGFIELD DEPARTMENT OF PUBLIC WORKS	SUMMARY OF QUANTITIES ARCHER ELEVATOR ROAD				F.A.U. RTE. 8011	SECTION 17-00431-02-PV	COUNTY SANGAMON	TOTAL SHEETS 79	SHEET NO. 3
PLOT SCALE = 100.0000' / in.					CHECKED - KLT DATE - 5/24/2019	SCALE: N/A	SHEET NO. OF SHEETS	STA. N/A TO STA. N/A	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
PLOT DATE = 5/29/2019					REVISED -	CONTRACT NO. 93719							

SUMMARY OF QUANTITIES

SP	CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
					0003	0028
	50104400	CONCRETE HEADWALL REMOVAL	EACH	2	2	
•	50105220	PIPE CULVERT REMOVAL	FOOT	366	366	
	54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	2	2	
	54213672	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 27"	EACH	1	1	
	54213699	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 54"	EACH	1	1	
	54214719	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ELLIPTICAL, EQUIVALENT ROUND-SIZE 24"	EACH	2	2	
	54214731	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ELLIPTICAL, EQUIVALENT ROUND-SIZE 36"	EACH	1	1	
	54248510	CONCRETE COLLAR	CU YD	1.2	1.2	
	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	1,609	1,609	
	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	506	506	
	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	609	609	
	550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	10	10	
	550A0130	STORM SEWERS, CLASS A, TYPE 1 27"	FOOT	21	21	
	550A0140	STORM SEWERS, CLASS A, TYPE 1 30"	FOOT	43	43	
	550A0200	STORM SEWERS, CLASS A, TYPE 1 54"	FOOT	23	23	
	550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	32	32	
	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	484	484	
	550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	11	11	
	550A4000	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 18"	FOOT	19	19	
	550A4100	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24"	FOOT	887	887	

• SP = SEE SPECIAL PROVISION Δ SPECIALTY ITEMS

FILE NAME =	USER NAME = Brian Bond	DESIGNED - BMB	REVISED -	CITY OF SPRINGFIELD DEPARTMENT OF PUBLIC WORKS	SUMMARY OF QUANTITIES ARCHER ELEVATOR ROAD				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
L:\Springfield\0702501\Draw\Sheets\Cont	act_2\C2-06-Sht_500.dgn	DRAWN - GLD/RAH	REVISED -		SCALE: N/A	SHEET NO.	OF	SHEETS	STA. N/A	TO STA. N/A	8011	17-00431-02-PV	SANGAMON	79	5
	PLOT SCALE = 100.0000' / in.	CHECKED - KLT	REVISED -												
	PLOT DATE = 5/29/2019	DATE - 5/24/2019	REVISED -												
											CONTRACT NO. 93719			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

SP	CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
					0003	0028
	550A4200	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 27"	FOOT	228	228	
	550A4500	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 36"	FOOT	14	14	
	55100500	STORM SEWER REMOVAL 12"	FOOT	11	11	
•	59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	25	25	
•	60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	250	250	
•	60108200	PIPE UNDERDRAINS 6" (SPECIAL)	FOOT	250	250	
	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2	
	60218500	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	14	14	
	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3	
	60221200	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	5	5	
	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	6	6	
	60223810	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	3	3	
	60224447	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	1	1	
	60224459	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1	
	60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	23	23	
	60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	2	2	
	60240220	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	EACH	10	10	
•	60255500	MANHOLES TO BE ADJUSTED	EACH	1		1
•	60266600	VALVE BOXES TO BE ADJUSTED	EACH	16	13	3
	60500060	REMOVING INLETS	EACH	1	1	

• SP = SEE SPECIAL PROVISION Δ SPECIALTY ITEMS

FILE NAME =	USER NAME = Brian Bond	DESIGNED - BMB	REVISED -	CITY OF SPRINGFIELD DEPARTMENT OF PUBLIC WORKS	SUMMARY OF QUANTITIES ARCHER ELEVATOR ROAD			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
L:\Springfield\0702501\Draw\Sheets\Contract_2\2-C2-D6-Sht_500.dgn	DRAWN - GLD/RAH	REVISED -	8011					17-00431-02-PV	SANGAMON	79	6	
PLOT SCALE = 100,0000' / 1"	CHECKED - KLT	REVISED -	SCALE: SHEET NO. OF SHEETS STA. TO STA.			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						
PLOT DATE = 5/29/2019	DATE - 5/24/2019	REVISED -				CONTRACT NO. 93719						

SUMMARY OF QUANTITIES

SP	CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
					0003	0028
	60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	9,079	9,079	
•	61100500	EXPLORATION TRENCH 52" DEPTH	FOOT	500	500	
•	61100605	MISCELLANEOUS CONCRETE	CU YD	4	4	
•	61101007	STORM SEWERS PROTECTED, CLASS A, 6"	FOOT	50	50	
•	61101009	STORM SEWERS PROTECTED, CLASS A, 8"	FOOT	50	50	
•	61139900	STORM SEWERS (SPECIAL), 6"	FOOT	50	50	
•	61140000	STORM SEWERS (SPECIAL), 8"	FOOT	50	50	
•	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	350	291	59
Δ	66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1	
Δ	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1	
Δ	66901002	ON-SITE MONITORING OF REGULATED SUBSTANCES	CAL DA	5	5	
Δ	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1	
	67100100	MOBILIZATION	LSUM	1.0	0.9	0.1
•	70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	1,110	1,110	
•	70300230	TEMPORARY PAVEMENT MARKING - LINE 5"	FOOT	22,472	22,472	
•	70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	985	985	
•	70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	628	628	
•	70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	227	227	
•	70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	140	140	
Δ	72000100	SIGN PANEL - TYPE 1	SQ FT	30	25	5

• SP = SEE SPECIAL PROVISION Δ SPECIALTY ITEMS

FILE NAME = L:\Springfield\0702501\Draw\Sheets\Cont	USER NAME = Brian Bond	DESIGNED - BMB	REVISED -	CITY OF SPRINGFIELD DEPARTMENT OF PUBLIC WORKS	SUMMARY OF QUANTITIES ARCHER ELEVATOR ROAD			F.A.U. RTE. 8011	SECTION 17-00431-02-PV	COUNTY SANGAMON	TOTAL SHEETS 79	SHEET NO. 7
PLOT SCALE = 100,0000' / in.	DRAWN - GLD/RAH	CHECKED - KLT	REVISED -					SCALE: SHEET NO. OF SHEETS STA. TO STA.			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	
PLOT DATE = 5/31/2019	DATE - 5/24/2019	REVISED -			CONTRACT NO. 93719							

SUMMARY OF QUANTITIES

SP	CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
					0003	0028
Δ	•	72400500 RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	16	15	1
Δ		72400710 RELOCATE SIGN PANEL - TYPE 1	SQ FT	9	7	2
Δ	•	72800100 TELESCOPING STEEL SIGN SUPPORT	FOOT	61	51	10
Δ		78000300 THERMOPLASTIC PAVEMENT MARKING - LINE 5"	FOOT	22,472	13,422	9,050
Δ		78000400 THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	985	985	
Δ		78000500 THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	628	628	
Δ		78000600 THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	227	227	
Δ		78000650 THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	140	140	
Δ		78008200 POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	SQ FT	1,110	1,004	106
Δ	•	B2001166 TREE, CERCIS CANADENSIS (EASTERN REDBUD), 6' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	27		27
Δ	•	D2000148 EVERGREEN, ABIES CONCOLOR (WHITE FIR), 4' HEIGHT, BALLED AND BURLAPPED	EACH	17		17
	•	X0322936 REMOVE EXISTING FLARED END SECTION	EACH	2	2	
	•	X0322939 RELOCATE EXISTING FLARED END SECTION	EACH	3	2	1
	•	X0323265 REMOVE EXISTING RIPRAP	SQ YD	114	114	
	•	X0323389 STORM SEWER CONNECTION	EACH	2	2	
Δ	•	X0325402 MODIFY SPRINKLER SYSTEM	LSUM	1		1
Δ	•	X0325528 REMOVE & REINSTALL LIGHTING EQUIPMENT	LSUM	1	1	
Δ	•	X0325714 FLASHING BEACON, POST MOUNTED, SOLAR POWERED INSTALLATION	EACH	2	2	
	•	X0327980 PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	3,478	3,478	
	•	X6026050 SANITARY MANHOLES TO BE ADJUSTED	EACH	8	5	3

• SP = SEE SPECIAL PROVISION Δ SPECIALTY ITEMS

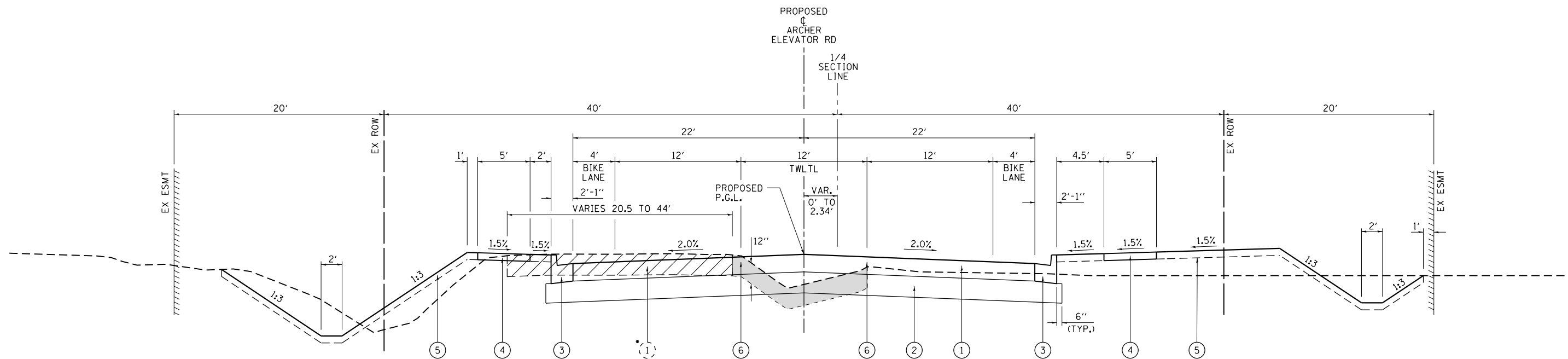
FILE NAME =	USER NAME = Brian Bond	DESIGNED - BMB	REVISED -	CITY OF SPRINGFIELD DEPARTMENT OF PUBLIC WORKS	SUMMARY OF QUANTITIES ARCHER ELEVATOR ROAD			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
L:\Springfield\0702501\Draw\Sheets\Cont	Plot_2\1C2-06-Sht_500.dgn	DRAWN - GLD/RAH	REVISED -					8011	17-00431-02-PV	SANGAMON	79	8
	PLOT SCALE = 100,0000' / in.	CHECKED - KLT	REVISED -		CONTRACT NO. 93719			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
	PLOT DATE = 5/31/2019	DATE - 5/24/2019	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.			

SUMMARY OF QUANTITIES

SP	CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
					0003	0028
•	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1.0	0.9	0.1
•	X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SO FT	11,732	11,732	
Δ	X7200105	SIGN PANEL - TYPE 1 (SPECIAL)	SO FT	13	11	2
•	Z0013798	CONSTRUCTION LAYOUT	LSUM	1.0	0.9	0.1
•	Z0016702	DETOUR SIGNING	LSUM	1	1	
•	Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	19,256	19,256	
•	Z0054404	ROCK FILL - EMBANKMENT	CU YD	300	250	50
•	Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	315	315	
•	Z0056610	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	FOOT	208	208	
•	Z0056612	STORM SEWER (WATER MAIN REQUIREMENTS) 18 INCH	FOOT	548	548	
•	Z0056618	STORM SEWER (WATER MAIN REQUIREMENTS) 27 INCH	FOOT	178	178	
#	Z0076600	TRAINEES	HOUR	2,000		
#	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	2,000		
•	Z0076870	UNDERDRAIN CONNECTION TO STRUCTURE	EACH	5	5	

• SP = SEE SPECIAL PROVISION Δ SPECIALTY ITEMS #0042

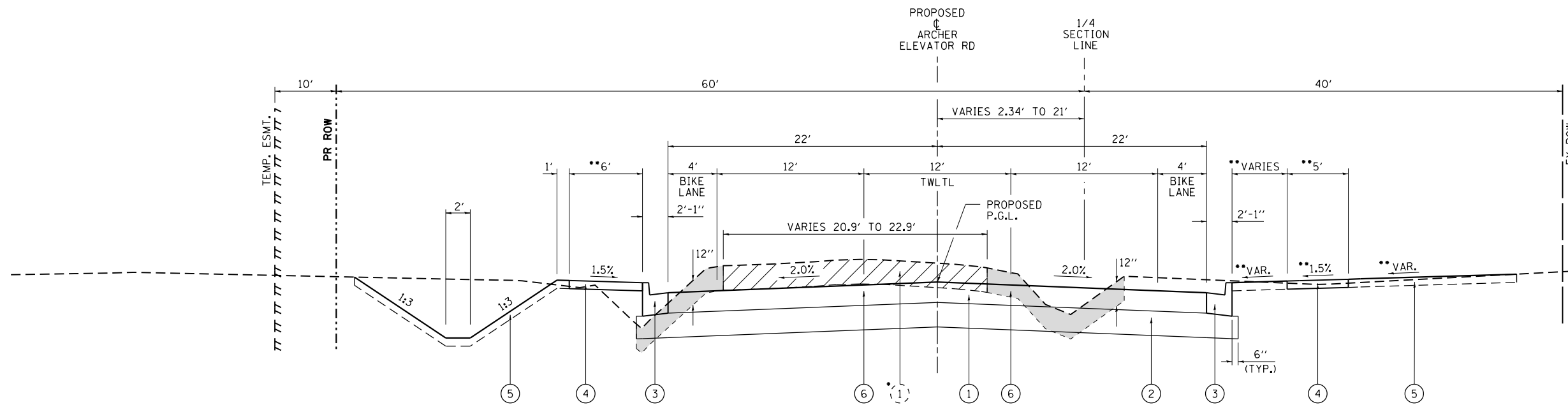
FILE NAME = L:\Springfield\0702501\Draw\Sheets\Contr	USER NAME = Brian Bond	DESIGNED - BMB	REVISED -	CITY OF SPRINGFIELD DEPARTMENT OF PUBLIC WORKS	SUMMARY OF QUANTITIES ARCHER ELEVATOR ROAD	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN - GLD/RAH	REVISED -			8011	17-00431-02-PV	SANGAMON	79	9	
		CHECKED - KLT	REVISED -			CONTRACT NO. 93719					
		DATE - 5/24/2019	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
SCALE:					SHEET NO. OF SHEETS STA. TO STA.						



PROPOSED TYPICAL SECTION

ARCHER ELEVATOR ROAD
(STA. 14+65.00 TO STA. 20+82.75)
LOOKING NORTH

*NOTE: FROM STA. 14+65.00 TO STA. 18+03.79 AND STA. 49+00.00 TO STA. 49+71.36, EXISTING HMA PAVEMENT TO BE REMOVED SHALL BE PAID FOR AS PAVEMENT REMOVAL. TYPICAL EXISTING PAVEMENT THICKNESS IS 9"-10" AND VARIES. FROM STA. 18+03.79 TO STA. 49+00.00, EXISTING OIL & CHIP PAVEMENT TO BE REMOVED SHALL BE PAID FOR AS EARTH EXCAVATION. SEE PLAN SHEETS FOR PAVEMENT REMOVAL LIMITS.



PROPOSED TYPICAL SECTION

ARCHER ELEVATOR ROAD
(STA. 20+82.75 TO STA. 49+71.36)
LOOKING NORTH

EXISTING LEGEND

- (1) EXISTING PAVEMENT
- TO BE REMOVED
- TOPSOIL EXCAVATION, 12" DEPTH

PROPOSED LEGEND

- (1) HOT-MIX ASPHALT PAVEMENT, FULL DEPTH, 10"
- (2) SUBBASE GRANULAR MATERIAL, TYPE A 12"
- (3) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
- (4) PORTLAND CEMENT CONCRETE SIDEWALK, 4"
- (5) TOPSOIL PLACEMENT, 4"
- (6) LONGITUDINAL JOINT SEALANT (2 APPLICATIONS - BELOW TOP BINDER & SURFACE COURSE) (LOCATION AS DETERMINED BY ENGINEER - SEE BDE SPECIAL PROVISION FOR DETAILS)

**NOTE: SIDEWALK WIDTH, LOCATION AND CROSS-SLOPE VARIES. SIDEWALK ABUTTING CURB AND GUTTER SHALL BE 6" IN WIDTH. SEE PLAN SHEETS AND CROSS SECTIONS FOR MORE INFORMATION.

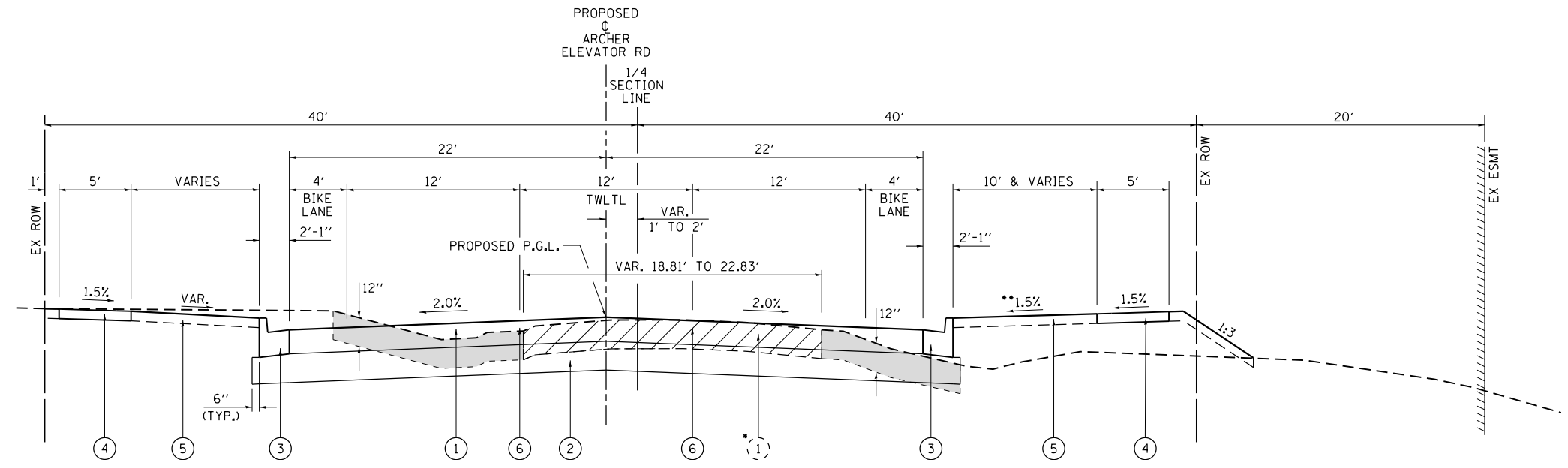
FILE NAME =	USER NAME = Brian Bond	DESIGNED - KLT	REVISED -
L:\Springfield\070250\Draw\Sheets\Contract_2\C2-06-Sht_Typical_Archer_3lane(South).dgn		DRAWN - RAH	REVISED -
		CHECKED - KLT	REVISED -
		DATE - 5/24/2019	REVISED -

**CITY OF SPRINGFIELD
DEPARTMENT OF PUBLIC WORKS**

**TYPICAL SECTIONS
F.A.U. 8011 (ARCHER ELEVATOR ROAD)**

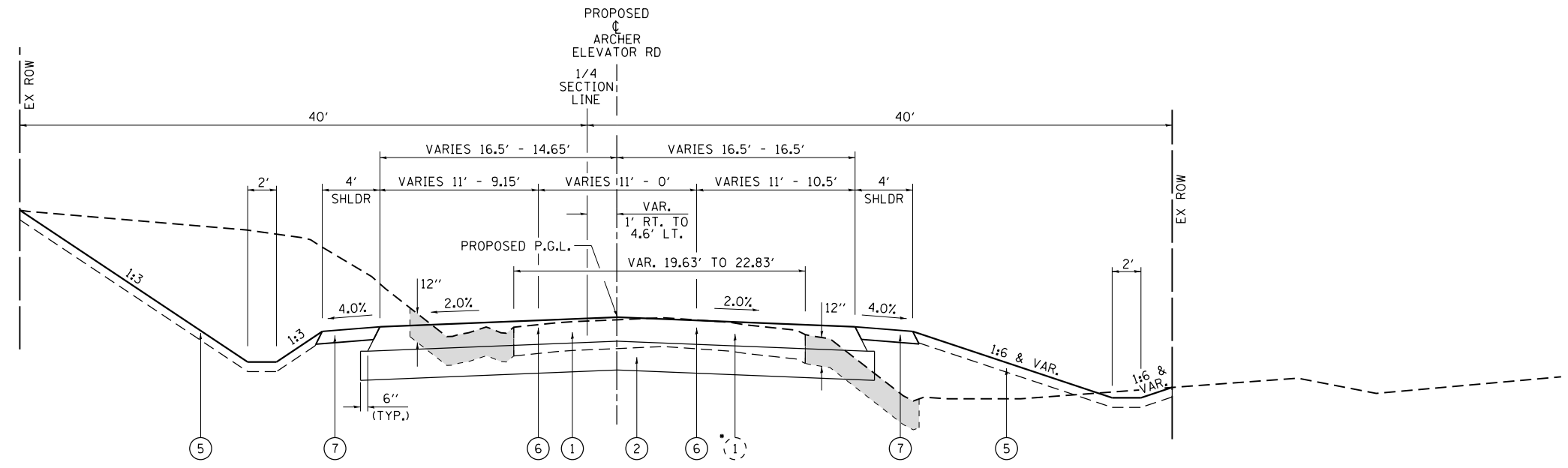
SCALE: N.T.S. SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8011	17-00431-02-PV	SANGAMON	79	10
CONTRACT NO. 93719				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



PROPOSED TYPICAL SECTION
ARCHER ELEVATOR ROAD
 (STA. 76+22.84 TO STA. 86+07.24)
 LOOKING NORTH

- *NOTE: FROM STA. 76+22.84 TO STA. 76+46.86, EXISTING HMA PAVEMENT TO BE REMOVED SHALL BE PAID FOR AS PAVEMENT REMOVAL. TYPICAL EXISTING PAVEMENT THICKNESS IS 10". FROM STA. 76+46.86 TO STA. 89+30.00, EXISTING OIL & CHIP PAVEMENT TO BE REMOVED SHALL BE PAID FOR AS EARTH EXCAVATION. SEE PLAN SHEETS FOR PAVEMENT REMOVAL LIMITS.
- **NOTE: SIDEWALK BOULEVARD CROSS SLOPE VARIES FROM STA. 76+22.84 TO STA. 79+00.00 TO MAINTAIN COVER OVER STORM SEWER PIPES. A MINIMUM OF 6" BETWEEN THE TOP OF PIPE AND BOTTOM OF SIDEWALK SHALL BE MAINTAINED. ADJUSTMENTS TO SIDEWALK PROFILE MAY BE MADE AS DIRECTED BY THE ENGINEER. SEE CROSS SECTIONS FOR MORE INFORMATION.



PROPOSED TYPICAL SECTION
ARCHER ELEVATOR ROAD
 (STA. 86+07.24 TO STA. 89+30.00)
 LOOKING NORTH

- EXISTING LEGEND**
- (1) EXISTING PAVEMENT
 - [Hatched Box] TO BE REMOVED
 - [Shaded Box] TOPSOIL EXCAVATION, 12" DEPTH

- PROPOSED LEGEND**
- ① HOT-MIX ASPHALT PAVEMENT, FULL DEPTH, 10"
 - ② SUBBASE GRANULAR MATERIAL, TYPE A 12"
 - ③ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
 - ④ PORTLAND CEMENT CONCRETE SIDEWALK, 4"
 - ⑤ TOPSOIL PLACEMENT, 4"
 - ⑥ LONGITUDINAL JOINT SEALANT (2 APPLICATIONS - BELOW TOP BINDER & SURFACE COURSE) (LOCATION AS DETERMINED BY ENGINEER - SEE BDE SPECIAL PROVISION FOR DETAILS)
 - ⑦ HOT-MIX ASPHALT SHOULDER, 6"

FILE NAME =	USER NAME = Brian Bond	DESIGNED - KLT	REVISED -	CITY OF SPRINGFIELD DEPARTMENT OF PUBLIC WORKS	TYPICAL SECTIONS F.A.U. 8011 (ARCHER ELEVATOR ROAD)		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
L:\Springfield\070250\Draw\Sheets\Cont	act_2\C2-06-Sht_Typical_Archer_3laneNorth.d	DRAWN - RAH	REVISED -		SCALE: N.T.S.	SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.	8011	17-00431-02-PV	SANGAMON	79	11
	PLOT SCALE = 10.0000' / in.	CHECKED - KLT	REVISED -						CONTRACT NO. 93719				
	PLOT DATE = 5/29/2019	DATE - 5/24/2019	REVISED -						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PAVING

STATION/LOCATION	SUBBASE GRANULAR MATERIAL, TYPE A 12"		BITUMINOUS MATERIALS (PRIME COAT)	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	HOT-MIX ASPHALT SHOULDERS, 6"	PAVEMENT REMOVAL	TEMPORARY RAMP	LONGITUDINAL JOINT SEALANT	
	(SQ YD)	(POUND)	(POUND)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(FOOT)	
ARCHER ELEVATOR ROAD											
14+65.00	-	17+00.00	1,285	2,586	518	1,149		945		941	
17+00.00	-	23+00.00	3,595	7,260	1,452	3,227		693		2,400	
23+00.00	-	29+00.00	3,280	6,600	1,320	2,934				2,400	
29+00.00	-	35+00.00	3,280	6,600	1,320	2,934				2,400	
35+00.00	-	41+00.00	3,690	7,533	1,507	3,348		229		2,400	
41+00.00	-	47+00.00	3,280	6,600	1,320	2,934				2,400	
47+00.00	-	49+71.36	1,835	3,772	755	1,676		389		1,086	
76+22.84	-	80+00.00	2,125	4,149	830	1,844	69	65		1,509	
80+00.00	-	85+00.00	2,960	6,028	1,206	2,679		337		2,000	
85+00.00	-	89+30.00	2,065	4,450	890	1,894		269	157	1,720	
TOTALS			27,395	55,578	11,118	24,619	69	269	3,016	157	19,256

COMBINATION CONCRETE CURB AND GUTTER

STATION/LOCATION	COMBINATION CONCRETE CURB AND GUTTER REMOVAL		COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.18
	(FOOT)	(FOOT)	(FOOT)
ARCHER ELEVATOR ROAD			
14+65.00	-	17+00.00	3
17+00.00	-	23+00.00	15
23+00.00	-	29+00.00	1,200
29+00.00	-	35+00.00	1,200
35+00.00	-	41+00.00	116
41+00.00	-	47+00.00	1,200
47+00.00	-	49+71.36	111
76+22.84	-	80+00.00	755
80+00.00	-	85+00.00	122
85+00.00	-	89+30.00	183
TOTALS			9,079

EARTHWORK

STATION/LOCATION	EARTH EXCAVATION	FOR INFORMATION ONLY			FOR INFORMATION ONLY				
		EARTH EXCAVATION ADJUSTED FOR 25% SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) SHORTAGE (-)	TOPSOIL EXCAVATION	TOPSOIL PLACEMENT	TOPSOIL BALANCE WASTE (+) SHORTAGE (-)		
								(CU YD)	(CU YD)
ARCHER ELEVATOR ROAD									
14+65.00	-	17+00.00	229	172	636	-464	133	141	-8
17+00.00	-	23+00.00	2,699	2,024	648	1,376	354	302	52
23+00.00	-	29+00.00	2,679	2,009	144	1,865	296	220	76
29+00.00	-	35+00.00	2,111	1,583	111	1,472	476	207	269
35+00.00	-	41+00.00	2,254	1,691	205	1,486	283	229	54
41+00.00	-	47+00.00	2,930	2,198	99	2,099	226	319	-93
47+00.00	-	49+71.36	1,372	1,029	38	991	88	104	-16
76+22.84	-	80+00.00	555	416	806	-390	380	141	239
80+00.00	-	85+00.00	1,269	952	528	424	423	148	275
85+00.00	-	89+30.00	1,811	1,358	187	1,171	287	176	111
TOTALS			17,909	13,432	3,402	10,030	2,946	1,987	959

- * ASSUMED SHRINKAGE FACTOR IS 25%. EARTH EXCAVATION TO BE USED AS EMBANKMENT = EARTH EXCAVATION X 75%. EARTHWORK BALANCE = [(EARTH EXCAVATION X 0.75) - EMBANKMENT].
- ** EARTH EXCAVATION AND EMBANKMENT VOLUMES ARE CALCULATED AFTER TOPSOIL EXCAVATION HAS BEEN COMPLETED. TOPSOIL WILL BE USED TO COVER THE TOP 4" OF THE AREAS TO BE SEEDED. EXCESS TOPSOIL WILL NOT BE NEEDED FOR EMBANKMENT AND WILL BE REMOVED FROM THE SITE.
- *** TOPSOIL EXCAVATION AND TOPSOIL PLACEMENT TO BE PAID FOR AS TOPSOIL EXCAVATION AND PLACEMENT. SEPARATE TOPSOIL EXCAVATION AND PLACEMENT QUANTITIES AS WELL AS TOPSOIL BALANCE SHOWN ARE FOR INFORMATION ONLY.

PAVEMENT MARKING

STATION/LOCATION	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS		THERMOPLASTIC PAVEMENT MARKING - LINE 5"	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	THERMOPLASTIC PAVEMENT MARKING - LINE 24"
	(SQ FT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)
ARCHER ELEVATOR ROAD							
14+45.00 - 17+00.00	64	1,327	14				
17+00.00 - 23+00.00	159	2,419	163		80		32
23+00.00 - 29+00.00	63	2,700					
29+00.00 - 35+00.00	63	2,700					
35+00.00 - 41+00.00	159	2,164	316		45		23
41+00.00 - 47+00.00	63	2,700					
47+00.00 - 53+00.00	206	1,847	166		34		17
53+00.00 - 55+79.61	48	640					
72+66.41 - 74+00.00	32	348					
74+00.00 - 80+00.00	63	2,430					
80+00.00 - 85+00.00	95	1,872	136		31		31
85+00.00 - 89+30.00	95	1,325	190	628	37		37
TOTALS	1,110	22,472	985	628	227		140

PIPE CULVERT REMOVAL

STATION/LOCATION	SIZE	PIPE CULVERT REMOVAL	
	(INCH)	(FOOT)	
ARCHER ELEVATOR ROAD			
17+44.67 - 52.59' LT.	18	9	
19+55.70 - 24.84' RT.	12	13	
19+58.40 - 12.95' LT.	18	53	
20+82.83 - 39.20' LT.	24	60	
21+71.70 - 1.48' LT.	12	101	
37+39.43 - 4.73' LT.	BURIED	24	
78+58.26 - 3.43' RT.	30	31	
86+05.96 - 19.77' LT.	15	75	
TOTALS		366	

SIDEWALK

STATION/LOCATION	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH		DETECTABLE WARNINGS	SIDEWALK REMOVAL
	(SQ FT)	(SQ FT)		
ARCHER ELEVATOR ROAD				
14+38.72 - 17+00.00	2,626			6
17+00.00 - 23+00.00	5,971	40		
23+00.00 - 29+00.00	6,955			
29+00.00 - 35+00.00	6,404			
35+00.00 - 41+00.00	6,142	60		
41+00.00 - 47+00.00	5,814			
47+00.00 - 51+19.69	3,040	40		284
76+22.84 - 80+00.00	3,656	20		
80+00.00 - 85+00.00	5,043	20		93
85+00.00 - 89+30.00	1,071	40		221
TOTALS	46,722	220		604

LANDSCAPING

STATION/LOCATION			TREE, CERCIS CANADENSIS (EASTERN REDBUD), 6' HT., CLUMP FORM, BALLED AND	EVERGREEN, ABIES CONCOLOR (WHITE FIR), 4' HEIGHT, BALLED AND BURLAPPED	SEEDING, CLASS 2	TEMPORARY EROSION CONTROL SEEDING	NITROGEN FERTILIZER NUTRIENT	PHOSPHOROUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	AGRICULTURAL GROUND LIMESTONE	MULCH, METHOD 3
			(EACH)	(EACH)	(ACRE)	(POUND)	(POUND)	(POUND)	(POUND)	(TON)	(ACRE)
ARCHER ELEVATOR ROAD											
14+28.57	-	17+00.00			0.35	35	32	32	32	0.7	0.35
17+00.00	-	23+00.00			0.65	65	59	59	59	1.3	0.65
23+00.00	-	29+00.00			0.55	55	50	50	50	1.1	0.55
29+00.00	-	35+00.00			0.55	55	50	50	50	1.1	0.55
35+00.00	-	41+00.00	3		0.55	55	50	50	50	1.1	0.55
41+00.00	-	47+00.00	9		0.70	70	63	63	63	1.4	0.70
47+00.00	-	51+19.78	1		0.25	25	23	23	23	0.5	0.25
76+22.84	-	80+00.00		3	0.30	30	27	27	27	0.6	0.30
80+00.00	-	85+00.00	10	8	0.40	40	36	36	36	0.8	0.40
85+00.00	-	89+30.00	4	6	0.45	45	41	41	41	0.9	0.45
TOTALS			27	17	4.75	475	431	431	431	9.5	4.75

EROSION CONTROL

STATION/LOCATION			TEMPORARY DITCH CHECKS	PERIMETER EROSION BARRIER	EROSION CONTROL BLANKET	INLET AND PIPE PROTECTION	INLET FILTERS	STONE RIPRAP, CLASS A3	STONE RIPRAP, CLASS A4	FILTER FABRIC
			(FOOT)	(FOOT)	(SQ YD)	(EACH)	(EACH)	(SQ YD)	(SQ YD)	(SQ YD)
ARCHER ELEVATOR ROAD										
14+34.53	-	17+00.00	32	266		1	2			
17+00.00	-	23+00.00	32	382	234	1	12	13	55	55
23+00.00	-	29+00.00	64	792	1233	4	6			
29+00.00	-	35+00.00	48	601			8			
35+00.00	-	41+00.00	24	600		3	6			
41+00.00	-	47+00.00	16	600			8			
47+00.00	-	53+00.00	16	272			1			
76+22.84	-	80+00.00		145	272		9		66	66
80+00.00	-	85+00.00		506	137		4			
85+00.00	-	89+30.00	32	335	724		3	11		
TOTALS			264	4,499	2,600	9	59	24	121	121

TREE REMOVAL, TRUNK PROTECTION, AND PRUNING

STATION/LOCATION		TREE REMOVAL (6 TO 15 UNITS DIAMETER)	TREE REMOVAL (OVER 15 UNITS DIAMETER)	TREE TRUNK PROTECTION	TREE PRUNING (1 TO 10 INCH DIAMETER)	TREE PRUNING (OVER 10 INCH DIAMETER)
		(UNIT)	(UNIT)	(EACH)	(EACH)	(EACH)
ARCHER ELEVATOR ROAD						
21+74	58' LT.	6				
21+99	58' LT.	8				
22+22	57' LT.	11				
22+45	57' LT.	6				
37+99	41' RT.	9				
39+51	41' RT.		15			
39+68	40' RT.	11				
39+83	42' RT.	9				
39+98	41' RT.	11				
40+12	41' RT.			1	1	
40+27	42' RT.			1		1
40+41	41' RT.			1	1	
40+56	41' RT.			1	1	
40+72	41' RT.			1	1	
40+86	41' RT.			1	1	
41+00	40' RT.			1	1	
41+15	41' RT.			1	1	
41+29	41' RT.			1		1
41+44	41' RT.			1		1
41+59	39' RT.			1	1	
41+75	40' RT.			1	1	
41+88	41' RT.			1		1
42+04	41' RT.			1		1
42+17	40' RT.			1		1
42+32	40' RT.			1		1
42+47	40' RT.			1	1	
42+63	40' RT.			1		1
42+77	39' RT.			1		1
42+91	40' RT.			1	1	
43+03	40' RT.			1		1
43+18	40' RT.			1		1
43+34	40' RT.			1		1
43+50	40' RT.			1		1
43+65	40' RT.			1	1	
43+79	40' RT.			1		1
44+02	35' RT.			1		1
44+17	36' RT.			1		1
44+33	36' RT.			1		1

TREE REMOVAL, TRUNK PROTECTION, AND PRUNING (CONT'D)

STATION/LOCATION		TREE REMOVAL (6 TO 15 UNITS DIAMETER)	TREE REMOVAL (OVER 15 UNITS DIAMETER)	TREE TRUNK PROTECTION	TREE PRUNING (1 TO 10 INCH DIAMETER)	TREE PRUNING (OVER 10 INCH DIAMETER)
		(UNIT)	(UNIT)	(EACH)	(EACH)	(EACH)
ARCHER ELEVATOR ROAD						
44+47	38' RT.			1		1
44+61	38' RT.			1		1
44+87	41' RT.			1		1
45+02	41' RT.			1		1
45+18	41' RT.			1		1
45+37	41' RT.			1		1
45+53	42' RT.			1		1
45+67	44' RT.			1		1
45+82	44' RT.			1		1
46+03	44' RT.			1		1
46+25	44' RT.			1		1
46+45	44' RT.			1	1	
46+60	44' RT.			1	1	
46+73	44' RT.			1	1	
46+86	44' RT.			1	1	
46+99	44' RT.			1	1	
47+14	44' RT.			1		1
48+49	41' RT.			1		1
48+63	41' RT.			1		1
48+93	41' RT.			1		1
49+81	57' RT.					1
49+90	57' RT.					1
49+99	56' RT.					1
50+06	57' RT.					1
50+16	57' RT.					1
50+21	52' RT.	10				
50+26	57' RT.					1
50+28	52' RT.	10				
50+37	51' RT.	13				
50+41	57' RT.					1
50+44	51' RT.		16			
77+03	27' LT.	14				
77+19	29' LT.	14				
77+42	31' LT.	15				
77+63	30' LT.	15				
78+74	53' RT.	8				
		8				
		6				

FILE NAME =	USER NAME = Brian Bond	DESIGNED - BMB	REVISED -
L:\Springfield\070250\Draw\Sheets\Cont	et_2\C2-06-Sht_SCHEDULES.dgn	DRAWN - GLD/RAH	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED - KLT	REVISED -
	PLOT DATE = 5/29/2019	DATE - 5/24/2019	REVISED -

**CITY OF SPRINGFIELD
DEPARTMENT OF PUBLIC WORKS**

**SCHEDULE OF QUANTITIES
ARCHER ELEVATOR ROAD**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8011	17-00431-02-PV	SANGAMON	79	15
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 93719	

TREE REMOVAL, TRUNK PROTECTION, AND PRUNING (CONT'D)

STATION/LOCATION		TREE REMOVAL (6 TO 15 UNITS DIAMETER)	TREE REMOVAL (OVER 15 UNITS DIAMETER)	TREE TRUNK PROTECTION	TREE PRUNING (1 TO 10 INCH DIAMETER)	TREE PRUNING (OVER 10 INCH DIAMETER)
		(UNIT)	(UNIT)	(EACH)	(EACH)	(EACH)
ARCHER ELEVATOR ROAD						
78+80	49'RT.	12				
78+88	48'RT.	9				
		12				
78+98	31'LT.	14				
78+99	53'RT.	9				
		15				
		12				
		8				
80+18	31'LT.			1		1
80+42	31'LT.			1		1
80+66	31'LT.			1		1
80+89	31'LT.			1		1
				1		1
81+07	31'LT.			1		1
82+90	31'LT.		17			
83+14	32'LT.		22			
83+37	31'LT.			1		1
83+62	32'LT.		22			
83+85	30'LT.			1		1
84+16	29'LT.	13				
84+39	30'LT.			1		1
84+61	30'LT.					
84+82	30'LT.			1		1
85+28	26'LT.		18			
86+87	32'LT.		20			
87+09	32'LT.	14				
87+55	33'LT.		16			
87+78	34'LT.	14				
89+09	20'LT.		18			
89+24	29'LT.	7				
89+25	26'LT.	7				
89+26	23'LT.		16			
89+26	26'LT.	6				
TOTALS		353	180	59	17	49

FILE NAME =	USER NAME = Brian Bond	DESIGNED - BMB	REVISED -
L:\Springfield\070250\Draw\Sheets\Contract_2\C2-06-Sht_SCHEDULES.dgn		DRAWN - GLD/RAH	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED - KLT	REVISED -
	PLOT DATE = 5/29/2019	DATE - 5/24/2019	REVISED -

**CITY OF SPRINGFIELD
DEPARTMENT OF PUBLIC WORKS**

SCHEDULE OF QUANTITIES ARCHER ELEVATOR ROAD			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8011	17-00431-02-PV	SANGAMON	79	16
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 93719	

STORM SEWER STRUCTURE

STRUCT. NO.	STATION	OFFSET	CONCRETE COLLAR	PRECAST REINFORCED CONCRETE F. E. S.			PRECAST REIN. CONC. F. E. S. - ELLIPTICAL EQUIVALENT ROUND -SIZE		MANHOLES, TYPE A,								INLETS		
				15"	27"	54"	24"	36"	4' -DIAMETER		5' -DIAMETER		6' -DIAMETER		7' -DIAMETER	8' -DIAMETER	TYPE A TYPE 3 FRAME AND GRATE	TYPE A TYPE 8 GRATE	TYPE B TYPE 3 FRAME AND GRATE
				(CU YD)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)			
1	46+11.89	23.25' LT.																	1
2	46+11.89	23.25' RT.								1									
3	46+26.89	23.25' LT.																	1
3B	48+29.51	26.67' LT.															1		
4	46+26.89	23.25' RT.															1		
5	43+94.26	23.25' LT.																	1
6	43+94.26	23.25' RT.								1									
6B	41+50.00	24.58' RT.							1										
7	44+09.26	23.25' LT.															1		
8	44+09.26	23.25' RT.																	1
FES-9	39+50.00	34.83' RT.		1															
9B	39+22.27	42.51' RT.											1						
9C	39+08.13	43.21' RT.	0.4																
11	39+10.96	27.99' LT.															1		
12	39+29.50	23.25' RT.												1					
13	37+50.00	23.25' LT.															1		
14	37+50.00	23.25' RT.								1									
15	36+00.00	23.25' LT.															1		
16	36+00.00	23.25' RT.								1									
17	34+50.00	23.25' LT.															1		
18	34+50.00	23.25' RT.								1									
19	33+00.00	23.25' LT.															1		
20	33+00.00	23.25' RT.																	
21	31+50.00	23.25' LT.															1		
22	31+50.00	23.25' RT.								1									
23	30+00.00	23.25' LT.															1		
24	30+00.00	23.25' RT.								1									
25	28+50.00	23.25' LT.								1									
25B	28+50.00	CL												1					
26	28+50.00	23.25' RT.									1								
26B	28+50.00	44.82' RT.																1	
27	27+04.08	23.25' LT.																	1
27B	27+04.08	CL									1								
28	27+04.08	23.25' RT.																	1
28B	27+04.08	36.62' RT.																1	
29	27+19.08	23.25' LT.															1		

STORM SEWER STRUCTURE

STRUCT. NO.	STATION	OFFSET	CONCRETE COLLAR	PRECAST REINFORCED CONCRETE F. E. S.			PRECAST REIN. CONC. F. E. S. - ELLIPTICAL EQUIVALENT ROUND -SIZE		MANHOLES, TYPE A,								INLETS		
				15"	27"	54"	24"	36"	4' -DIAMETER		5' -DIAMETER		6' -DIAMETER		7' -DIAMETER	8' -DIAMETER	TYPE A TYPE 3 FRAME AND GRATE	TYPE A TYPE 8 GRATE	TYPE B TYPE 3 FRAME AND GRATE
									TYPE 1 FRAME, CLOSED LID	TYPE 3 FRAME AND GRATE	TYPE 1 FRAME, CLOSED LID	TYPE 3 FRAME AND GRATE	TYPE 1 FRAME, CLOSED LID	TYPE 3 FRAME AND GRATE	TYPE 3 FRAME AND GRATE	TYPE 1 FRAME, CLOSED LID			
(CU YD)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)		
30	27+19.08	23.25' RT.															1		
31B	24+70.00	CL									1								
33	22+38.65	23.25' LT.																	1
33B	22+38.65	CL											1						
34	22+38.65	23.25' RT.																	1
35	22+53.65	23.25' LT.															1		
36	22+53.65	23.25' RT.															1		
37	19+50.00	23.25' LT.												1					
37B	21+41.81	29.08' LT.											1						
37C	23+26.00	29.08' LT.											1						
37E	21+41.86	47.95' LT.	0.3																
FES-6	23+50.00	46.56' LT.			1														
38	19+50.00	23.25' RT.														1			
38B	19+60.00	CL												1					
FES-3	19+60.00	47.49' RT.					1												
FES-4	19+50.00	47.52' RT.						1											
39	18+09.39	23.25' LT.															1		
40	18+09.39	23.25' RT.											1						
41	18+24.39	23.25' LT.																	1
42	18+24.39	23.25' RT.											1						
FES-1	17+43.99	43.82' LT.					1												
43	17+43.99	23.25' LT.											1						
44	17+43.99	23.25' RT.												1					
2-A	81+00.00	23.25' LT.															1		
2-1	80+00.00	23.25' LT.									1								
2-2	80+00.00	23.25' RT.															1		
2-3	78+49.47	23.25' LT.											1						
2-4	78+49.48	23.25' RT.											1						
2-5	77+55.22	23.25' LT.									1								
2-6	77+55.22	23.25' RT.									1								
2-7	77+40.22	23.25' LT.															1		
2-8	77+40.22	23.25' RT.															1		
2-9	77+70.22	23.25' LT.															1		
2-E	78+46.05	34.89' LT.	0.5																
2-M1	78+49.48	39.94' RT.																	1
0-1	78+80.24	54.99' RT.				1													

STORM SEWER STRUCTURE

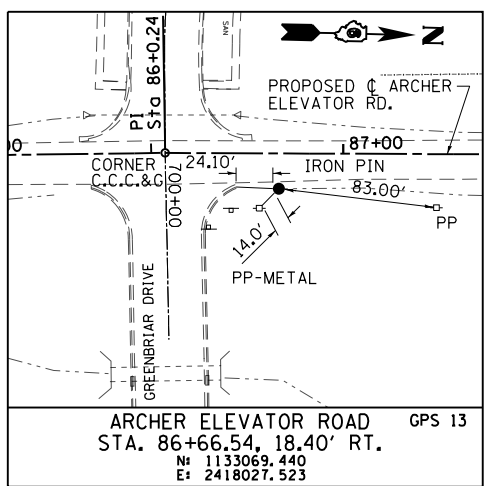
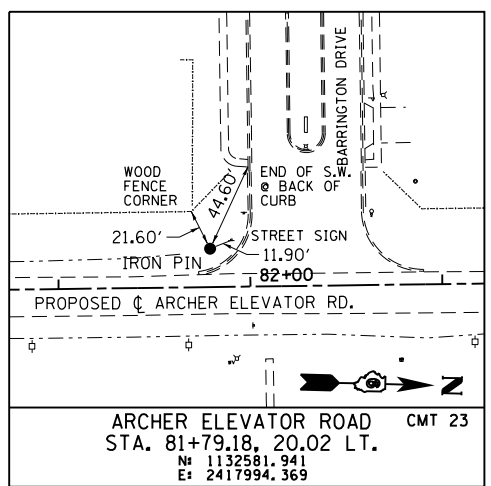
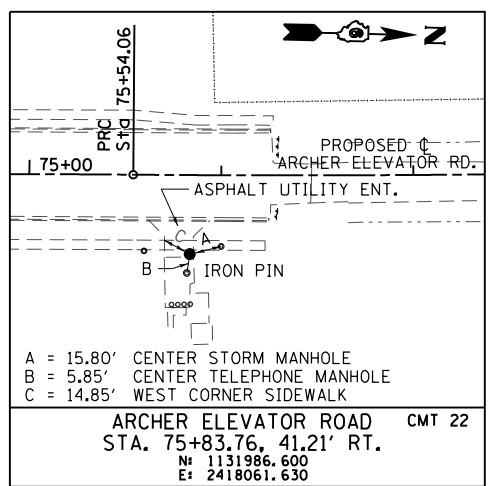
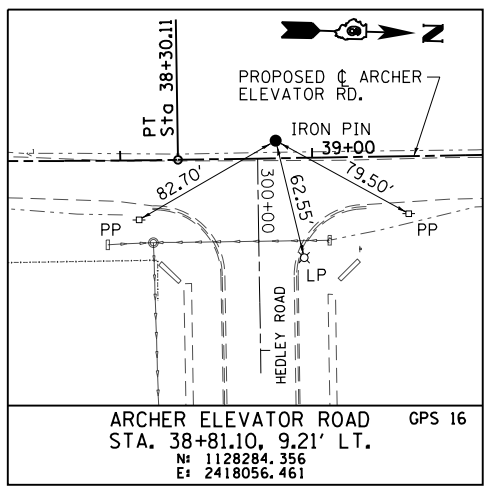
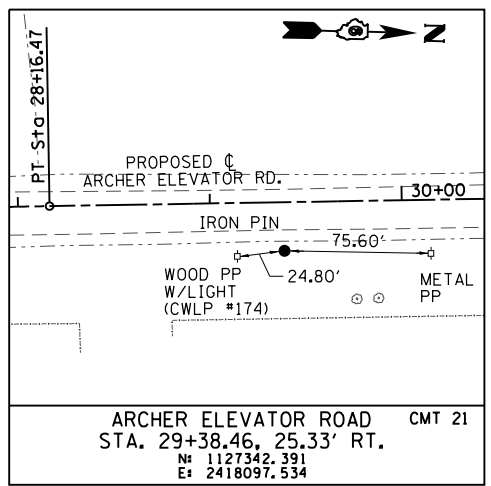
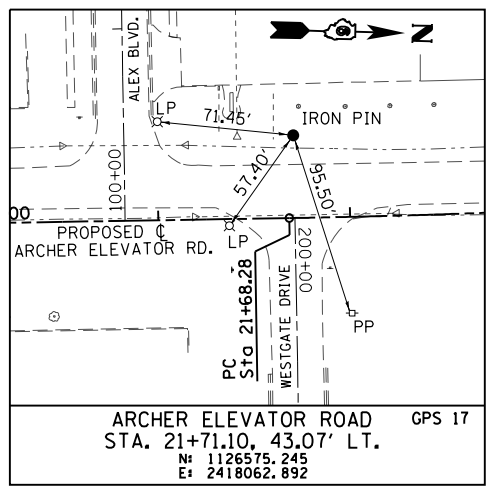
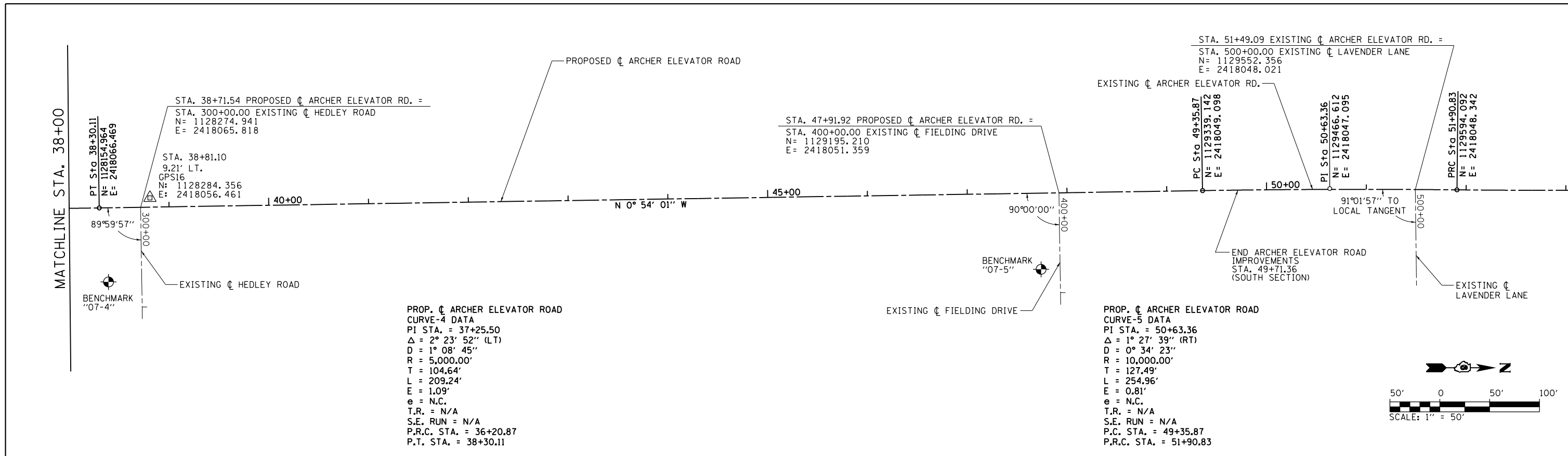
STRUCT. NO.	STATION	OFFSET	CONCRETE COLLAR	PRECAST REINFORCED CONCRETE F. E. S.					PRECAST REIN. CONC. F. E. S. - ELLIPTICAL EQUIVALENT ROUND -SIZE								MANHOLES, TYPE A,						INLETS		
							PRECAST REIN. CONC. F. E. S. - ELLIPTICAL EQUIVALENT ROUND -SIZE		4' -DIAMETER		5' -DIAMETER		6' -DIAMETER		7' -DIAMETER	8' -DIAMETER		TYPE A TYPE 3 FRAME AND GRATE	TYPE A TYPE 8 GRATE	TYPE B TYPE 3 FRAME AND GRATE					
				15"	27"	54"	24"	36"	TYPE 1 FRAME, CLOSED LID	TYPE 3 FRAME AND GRATE	TYPE 1 FRAME, CLOSED LID	TYPE 3 FRAME AND GRATE	TYPE 1 FRAME, CLOSED LID	TYPE 3 FRAME AND GRATE	TYPE 3 FRAME AND GRATE	TYPE 1 FRAME, CLOSED LID									
(CU YD)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)							
2-10	83+25.00	23.25' LT.																1							
2-11	84+50.00	23.25' LT.																		1					
2-12	84+50.00	23.25' RT.																1							
2-13	85+60.00	23.25' LT.								1															
2-14	85+60.00	23.25' RT.								1															
2-15	85+88.33	41.86' LT.																1							
2-M2	86+44.43	27.16' RT.							1																
0-3	86+46.33	102.98' RT.		1																					
TOTALS			1.2	2	1	1	2	1	2	14	3	5	6	3	1	1	23	2	10						

STORM SEWER PIPES

REACH		PIPE SIZE (IN.)	PIPE CLASS/TYPE	APPROXIMATE LENGTH (FT.)	SLOPE (%)	WATER MAIN REQUIREMENTS	TRENCH BACKFILL (CU. YD.)
FROM	TO						
3B	3	12	CL A, TY 1	201	0.50		15.2
3	1	12	CL A, TY 1	13	0.57		0.8
1	2	12	CL A, TY 1	44	0.51		6.3
4	2	12	CL A, TY 1	13	1.94		0.7
2	8	15	CL A, TY 1	200	0.32		33.0
8	6	15	CL A, TY 2	12	0.42		1.9
7	5	12	CL A, TY 1	13	0.54		2.2
5	6	12	CL A, TY 1	44	0.51		9.8
6	6B	18	CL A, TY 2	241	0.36		91.4
6B	12	18	CL A, TY 2	216	0.36		153.9
11	12	12	CL A, TY 1	51	0.51		7.5
12	9B	18	CL A, TY 2	15	2.89		6.1
FES-9	9B	15	CL A, TY 2	20	12.10		3.1
9B	9C	18	CL A, TY 2	12	1.11		12.6
12	14	12		175	0.50	X	33.6
13	14	12	CL A, TY 1	44	0.50		3.2
14	16	12	CL A, TY 1	147	0.41		9.3
15	16	12	CL A, TY 1	44	0.50		5.6
16	18	15	CL A, TY 1	146	0.41		17.4
17	18	12	CL A, TY 1	44	0.50		5.6
18	20	15	CL A, TY 1	147	0.41		17.5
19	20	12	CL A, TY 1	44	0.50		7.3
20	22	18	CL A, TY 1	147	0.41		18.7
21	22	12	CL A, TY 1	44	0.50		7.3
22	24	18	CL A, TY 1	147	0.36		18.7
23	24	12	CL A, TY 1	44	0.50		3.6
24	26	18	CL A, TY 1	146	0.26		15.1
26B	26	12	CL A, TY 1	19	0.49		2.7
26	25B	18 (ELLIPTICAL)	CL A, TY 1	19	0.27		2.3
25	25B	18	CL A, TY 1	19	0.27		2.7
25C	25	18	CL A, TY 1	16	0.31		2.8
25B	27B	24 (ELLIPTICAL)	CL A, TY 1	142	0.17		10.6
29	27	12	CL A, TY 1	13	0.54		0.8
27	27B	12	CL A, TY 1	20	0.41		2.4
30	28	12	CL A, TY 1	13	0.55		0.7
28B	28	12	CL A, TY 1	12	0.53		1.7
28	27B	12	CL A, TY 1	20	0.41		2.4
27B	31B	24 (ELLIPTICAL)	CL A, TY 1	230	0.17		55.5
31B	33B	24 (ELLIPTICAL)	CL A, TY 1	228	0.17		54.8
35	33	12	CL A, TY 1	13	0.55		0.9
33	33B	12	CL A, TY 1	20	0.51		2.4

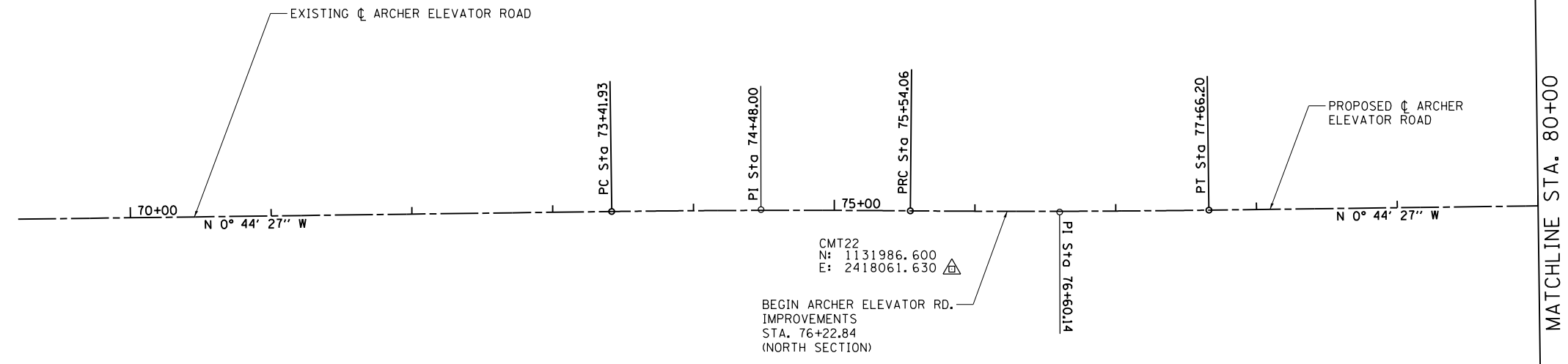
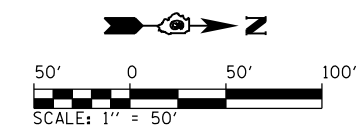
STORM SEWER PIPES

REACH		PIPE SIZE (IN.)	PIPE CLASS/TYPE	APPROXIMATE LENGTH (FT.)	SLOPE (%)	WATER MAIN REQUIREMENTS	TRENCH BACKFILL (CU. YD.)
FROM	TO						
36	34	12	CL A, TY 1	13	0.54		0.9
34	33B	12	CL A, TY 1	20	0.51		2.4
33B	38B	18 (2)		274	0.17	X	66.2
38B	FES-3	24 (ELLIPTICAL)	CL A, TY 1	39	0.38		10.9
FES-1	43	24 (ELLIPTICAL)	CL A, TY 1	13	0.12		4.9
43	44	24 (ELLIPTICAL)	CL A, TY 1	42	0.14		9.6
44	40	24 (ELLIPTICAL)	CL A, TY 1	61	0.15		10.3
39	41	12	CL A, TY 1	13	0.54		1.5
41	42	12	CL A, TY 1	43	0.51		8.0
40	42	24 (ELLIPTICAL)	CL A, TY 1	11	0.18		1.2
42	38	24 (ELLIPTICAL)	CL A, TY 1	121	0.13		24.7
FES-E	45	12	CL A, TY 1	42	0.44		4.4
FES-6	37C	27	CL A, TY 1	21	0.30		
FES-5	37C	15	CL A, TY 1	13	5.39		
37C	37B	27		178	0.15	X	110.8
37E	37B	15		16	0.50	X	
37B	37	27 (ELLIPTICAL)	CL A, TY 1	187	0.15		138.9
37	38	27 (ELLIPTICAL)	CL A, TY 1	41	0.17		5.7
38	FES-4	36 (ELLIPTICAL)	CL A, TY 1	14	0.23		7.0
2-A	2-1	12	CL A, TY 1	98	0.97		24.6
2-2	2-1	12	CL A, TY 1	44	0.50		10.8
2-1	2-3	12	CL A, TY 1	147	1.20		40.2
2-E	2-3	24	CL A, TY 1	10	2.01		2.8
2-3	2-4	30	CL A, TY 1	43	0.23		10.4
2-4	2-M1	30	CL A, TY 2	11	0.91		8.3
2-M1	0-1	54	CL A, TY 1	23	0.48		
2-7	2-5	12	CL A, TY 1	13	0.57		1.6
2-9	2-5	12	CL A, TY 1	13	0.57		1.6
2-5	2-6	18	CL A, TY 1	43	0.35		7.4
2-8	2-6	12	CL A, TY 1	13	0.56		1.9
2-6	2-4	18	CL A, TY 1	91	0.83		20.4
2-10	2-11	12	CL A, TY 1	123	0.50		26.1
2-11	2-13	12	CL A, TY 1	107	0.78		22.6
2-15	2-13	12		32	0.44	X	3.9
2-13	2-14	15		43	0.35	X	9.7
2-12	2-14	12		108	3.03	X	24.9
2-14	2-M2	15		81	2.30	X	11.3
2-M2	0-3	15		68	3.26	X	
TOTAL							1,286.0



BENCHMARKS

BENCHMARK	STATION / OFFSET	LOCATION / DESCRIPTION	ELEVATION
"07-2"	STA. 13+76, 45' LT.	CHISLED "+" IN BOLT OF FH S.W. QUADRANT ARCHER ELEVATOR RD. AND HPR DRIVE INTERSECTION	613.61
"07-3"	STA. 21+47, 69' RT.	CHISLED "+" IN BOLT OF FH S.E. QUADRANT ARCHER ELEVATOR RD. AND WESTGATE DRIVE INTERSECTION	614.90
"07-4"	STA. 38+38, 74' RT.	CHISLED "+" IN BOLT OF FH S.E. QUADRANT ARCHER ELEVATOR RD. AND HEDLEY ROAD INTERSECTION	618.85
"07-5"	STA. 47+73, 76' RT	CHISLED "+" IN BOLT OF FH S.E. QUADRANT ARCHER ELEVATOR RD. AND FIELDING DRIVE INTERSECTION	620.66
"H"	STA. 81+97, 182' LT	HYDRANT AT S.E. QUADRANT OF MONTEREY DR. & BARRINGTON DR. MUELLER BOLT	603.02
"I"	STA. 85+77, 44' LT	CHISLED "+" IN BOLT OF FH S.W. QUADRANT ARCHER ELEVATOR RD. & GREENBRIAR DR.	597.35

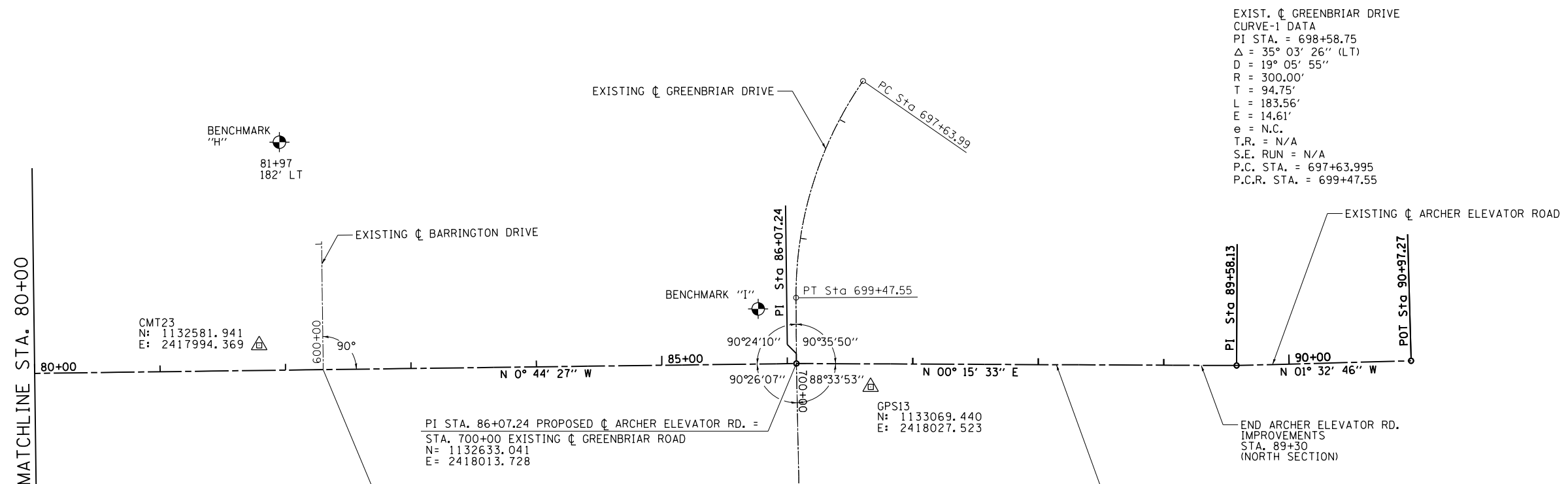
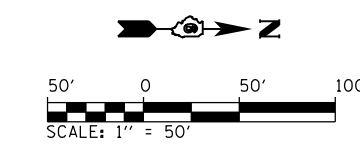


CMT22
 N: 1131986.600
 E: 2418061.630

BEGIN ARCHER ELEVATOR RD. IMPROVEMENTS
 STA. 76+22.84
 (NORTH SECTION)

PROP. ϕ ARCHER ELEVATOR RD. CURVE-6 DATA
 PI STA. = 74+48.00
 Δ = 1° 12' 56" (RT)
 D = 0° 34' 23"
 R = 10,000.00'
 T = 106.07'
 L = 212.14'
 E = 0.56'
 e = N.C.
 T.R. = N/A
 S.E. RUN = N/A
 P.C. STA. = 73+41.93
 P.C.R. STA. = 75+54.06

PROP. ϕ ARCHER ELEVATOR RD. CURVE-7 DATA
 PI STA. = 76+60.14
 Δ = 1° 12' 56" (LT)
 D = 0° 34' 23"
 R = 10,000.00'
 T = 106.07'
 L = 212.14'
 E = 0.56'
 e = N.C.
 T.R. = N/A
 S.E. RUN = N/A
 P.C. STA. = 75+54.06
 P.T. STA. = 77+66.20



EXIST. ϕ GREENBRIAR DRIVE CURVE-1 DATA
 PI STA. = 698+58.75
 Δ = 35° 03' 26" (LT)
 D = 19° 05' 55"
 R = 300.00'
 T = 94.75'
 L = 183.56'
 E = 14.61'
 e = N.C.
 T.R. = N/A
 S.E. RUN = N/A
 P.C. STA. = 697+63.995
 P.C.R. STA. = 699+47.55

STA. 82+30.03 PROPOSED ϕ ARCHER ELEVATOR RD. =
 STA. 600+00 EXISTING ϕ BARRINGTON DRIVE
 N = 1132633.041
 E = 2418013.728

PI STA. 86+07.24 PROPOSED ϕ ARCHER ELEVATOR RD. =
 STA. 700+00 EXISTING ϕ GREENBRIAR ROAD
 N = 1132633.041
 E = 2418013.728

FILE NAME =	USER NAME = Brian Bond	DESIGNED - BMB	REVISED -	CITY OF SPRINGFIELD DEPARTMENT OF PUBLIC WORKS	ALIGNMENT SHEET F.A.U. 8011 (ARCHER ELEVATOR ROAD)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
L:\Springfield\070250\Draw\Sheets\Contract_2\2-C2-06-Sht_Alignments_211.dgn	DRAWN - GLD/RAH	REVISIED -	8011			17-00431-02-PV	SANGAMON	79	23	
Default	PLOT SCALE = 100.0000' / in.	CHECKED - KLT	REVISIED -			CONTRACT NO. 93719				
	PLOT DATE = 5/29/2019	DATE - 5/24/2019	REVISIED -			ILLINOIS FED. AID PROJECT				





MAINTENANCE OF TRAFFIC GENERAL NOTES




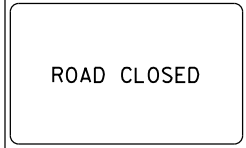







- 1.) ALL SIGNING SHALL BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED APRIL 1, 2016, THE DETAILS IN THESE PLANS AND THE LATEST EDITION OF THE STATE OF ILLINOIS "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
- 2.) THE ENGINEER SHALL BE NOTIFIED IN WRITING AT LEAST TWO WEEKS PRIOR TO THE DAY THAT ANY ROAD IS TO BE CLOSED OR RE-OPENED TO THE PUBLIC. THE ENGINEER WILL COORDINATE WITH THE CITY AND ANY APPROPRIATE LOCAL AGENCIES.
- 3.) THE CONTRACTOR SHALL SUPPLY TO THE ENGINEER THE NAMES AND PHONE NUMBERS OF HIS REPRESENTATIVES ON THE CONSTRUCTION SITE AND HIS REPRESENTATIVES RESPONSIBLE FOR THE DETOUR SIGNING AND MAINTENANCE OF TRAFFIC PRIOR TO THE START OF WORK.
- 4.) LONGITUDINAL DIMENSIONS SHOWN ON THESE PLANS MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
- 5.) THE ROAD SHALL NOT BE CLOSED UNTIL ALL SIGNING IS ERECTED IN ACCORDANCE WITH THE DETOUR PLAN FOR THAT STAGE AND SIGNING HAS BEEN INSPECTED AND APPROVED BY THE ENGINEER.
- 6.) ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHILE THE ROAD CLOSURE IS IN EFFECT SHALL BE REMOVED OR COVERED BY THE CONTRACTOR. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
- 7.) AS A MINIMUM, ALL AMBER FLASHING LIGHTS THAT ARE REQUIRED FOR THE CLOSURE SIGNAGE SHALL MEET THE REQUIREMENTS FOR TYPE A-LOW INTENSITY FLASHING LIGHTS PER ARTICLE 1106.02(g) OF THE STANDARD SPECIFICATIONS. ALL LIGHTS SHALL OPERATE DURING HOURS OF DARKNESS. ONLY LIGHTS THAT HAVE BEEN APPROVED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND THE CITY OF SPRINGFIELD SHALL BE USED.
- 8.) THE TYPE III BARRICADES USED AT POINTS OF CLOSURE TO THRU TRAFFIC ONLY SHALL NOT EXCEED 8 FEET IN WIDTH FOR A SINGLE APPROACH LANE. ALL BARRICADES AT THESE LOCATIONS SHALL HAVE REFLECTORIZED STRIPING ON BOTH SIDES OF THE BARRICADE.
- 9.) THE "ROAD CLOSED" SIGN ON A TYPE III BARRICADE SHALL BE MOUNTED ACCORDING TO STANDARD 701901.
- 10.) CONSTRUCTION EQUIPMENT SHALL NOT BE PARKED IMMEDIATELY BEHIND THE TYPE III BARRICADES DURING NON-WORKING HOURS. IN ANY EVENT, ARTICLES 701 THRU 703 OF THE STANDARD SPECIFICATIONS SHALL APPLY.
- 11.) THE CONTRACTOR SHALL COORDINATE UNINTERRUPTED MAIL SERVICE DURING CONSTRUCTION OPERATIONS.

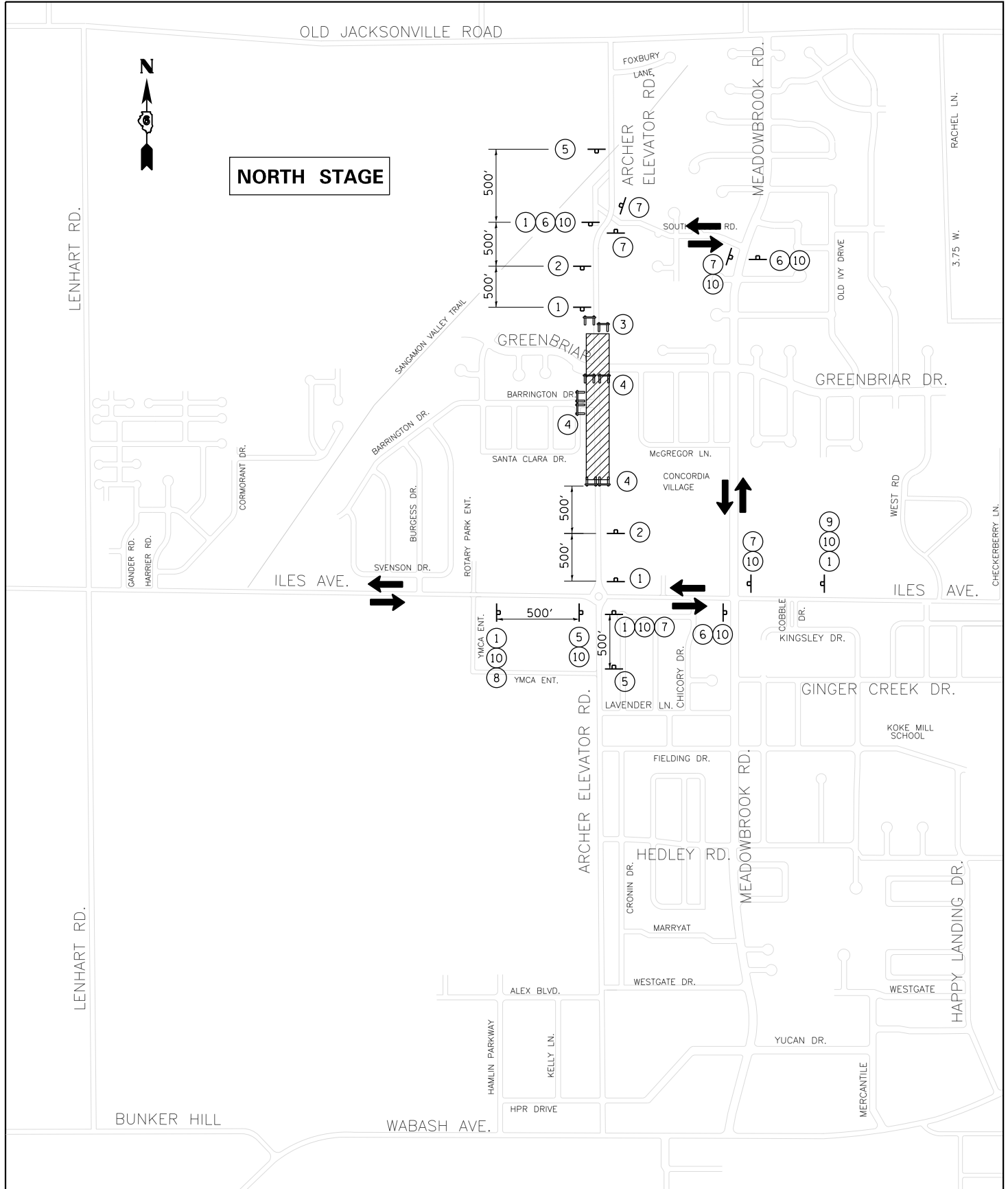
NORTH STAGE NOTES

- 1.) CONSTRUCTION OF THE NORTH AND SOUTH STAGES OF THIS PROJECT CAN BE COMPLETED IN ANY ORDER, HOWEVER, BOTH THE ENGINEER AND THE CITY CAN DICTATE THE ORDER OF CONSTRUCTION OF THESE STAGES DUE TO SCHEDULE CONCERNS. THE CONTRACTOR SHALL COORDINATE THE ORDER OF CONSTRUCTION WITH THE ENGINEER PRIOR TO INITIATING CONSTRUCTION OPERATIONS. THE NORTH AND SOUTH STAGES MAY NOT BE COMPLETED CONCURRENTLY.
- 2.) ARCHER ELEVATOR ROAD FROM SOUTH OF BARRINGTON DRIVE TO THE SOUTH SIDE OF GREENBRIAR DRIVE INTERSECTION SHALL BE CLOSED TO ALL TRAFFIC.
- 3.) ARCHER ELEVATOR ROAD FROM GREENBRIAR DRIVE TO THE NORTH PROJECT LIMITS SHALL BE CLOSED TO THRU TRAFFIC ONLY.
- 4.) ACCESS TO GREENBRIAR DRIVE WEST OF ARCHER ELEVATOR ROAD SHALL BE MAINTAINED DURING NORTH STAGE CONSTRUCTION.
- 5.) PRIOR TO INITIATING THE SECOND STAGE (NORTH OR SOUTH), ALL STAGE 1 CONSTRUCTION SHALL BE COMPLETED AND DETOUR SIGNING AND TRAFFIC CONTROL SHALL BE REMOVED.

LEGEND

-  WORK AREA
-  SIGN PANEL ON PERMANENT SUPPORT
-  TYPE III BARRICADE W/ TYPE A FLASHING LIGHTS
-  ALTERNATE ROUTING

					
W20-3 (0) (4848) POST MOUNTED W/ LIGHT	W20-3 (4848) POST MOUNTED W/ LIGHT	R11-4 (6030) BARRICADE MOUNTED W/ LIGHTS	R11-2 (4830) BARRICADE MOUNTED W/ LIGHTS	W20-2a (4848) POST MOUNTED W/ LIGHT	M4-9L 30" X 24"
SIGN PANEL No. 1	SIGN PANEL No. 2	SIGN PANEL No. 3	SIGN PANEL No. 4	SIGN PANEL No. 5	SIGN PANEL No. 6
					
M4-9R 30" X 24"	M6-1L (0) (2115) POST MOUNTED	M6-1R (0) (2115) POST MOUNTED	W21-18 (0) (4818) POST MOUNTED	M4-8 (0) (3015) POST MOUNTED	
SIGN PANEL No. 7	SIGN PANEL No. 8	SIGN PANEL No. 9	SIGN PANEL No. 10	SIGN PANEL No. 11	







MAINTENANCE OF TRAFFIC GENERAL NOTES




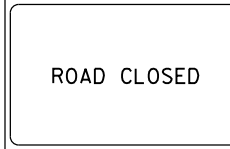
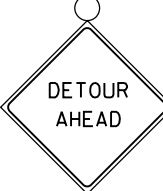






- 1.) ALL SIGNING SHALL BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED APRIL 1, 2016, THE DETAILS IN THESE PLANS AND THE LATEST EDITION OF THE STATE OF ILLINOIS "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
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- 3.) THE CONTRACTOR SHALL SUPPLY TO THE ENGINEER THE NAMES AND PHONE NUMBERS OF HIS REPRESENTATIVES ON THE CONSTRUCTION SITE AND HIS REPRESENTATIVES RESPONSIBLE FOR THE DETOUR SIGNING AND MAINTENANCE OF TRAFFIC PRIOR TO THE START OF WORK.
- 4.) LONGITUDINAL DIMENSIONS SHOWN ON THESE PLANS MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
- 5.) THE ROAD SHALL NOT BE CLOSED UNTIL ALL SIGNING IS ERECTED IN ACCORDANCE WITH THE DETOUR PLAN FOR THAT STAGE AND SIGNING HAS BEEN INSPECTED AND APPROVED BY THE ENGINEER.
- 6.) ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHILE THE ROAD CLOSURE IS IN EFFECT SHALL BE REMOVED OR COVERED BY THE CONTRACTOR. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
- 7.) AS A MINIMUM, ALL AMBER FLASHING LIGHTS THAT ARE REQUIRED FOR THE CLOSURE SIGNAGE SHALL MEET THE REQUIREMENTS FOR TYPE A-LOW INTENSITY FLASHING LIGHTS PER ARTICLE 1106.02(G) OF THE STANDARD SPECIFICATIONS. ALL LIGHTS SHALL OPERATE DURING HOURS OF DARKNESS. ONLY LIGHTS THAT HAVE BEEN APPROVED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND THE CITY OF SPRINGFIELD SHALL BE USED.
- 8.) THE TYPE III BARRICADES USED AT POINTS OF CLOSURE TO THRU TRAFFIC ONLY SHALL NOT EXCEED 8 FEET IN WIDTH FOR A SINGLE APPROACH LANE. ALL BARRICADES AT THESE LOCATIONS SHALL HAVE REFLECTORIZED STRIPING ON BOTH SIDES OF THE BARRICADE.
- 9.) THE "ROAD CLOSED" SIGN ON A TYPE III BARRICADE SHALL BE MOUNTED ACCORDING TO STANDARD 701901.
- 10.) CONSTRUCTION EQUIPMENT SHALL NOT BE PARKED IMMEDIATELY BEHIND THE TYPE III BARRICADES DURING NON-WORKING HOURS. IN ANY EVENT, ARTICLES 701 THRU 703 OF THE STANDARD SPECIFICATIONS SHALL APPLY.
- 11.) THE CONTRACTOR SHALL COORDINATE UNINTERRUPTED MAIL SERVICE DURING CONSTRUCTION OPERATIONS.

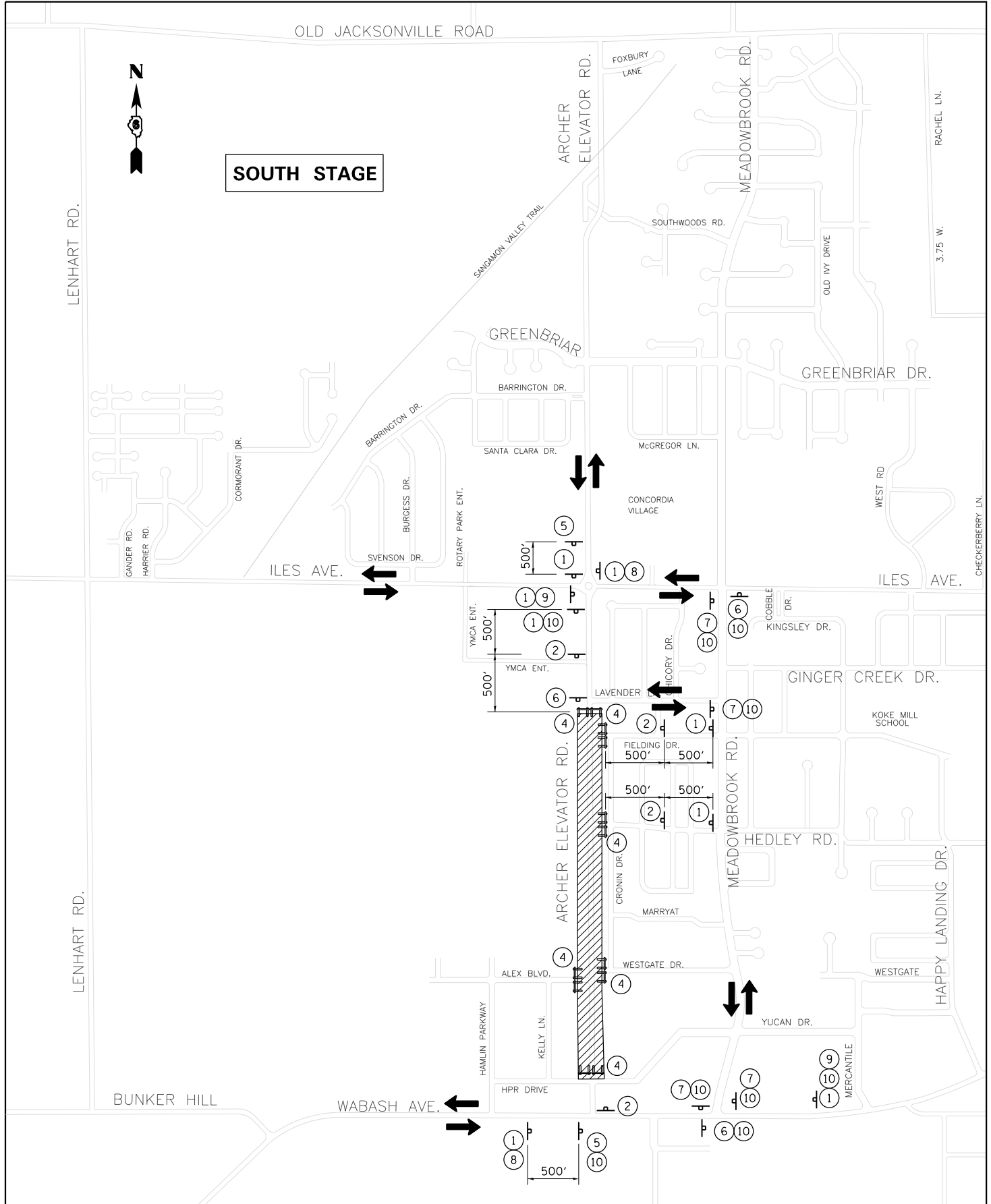
SOUTH STAGE NOTES

- 1.) CONSTRUCTION OF THE NORTH AND SOUTH STAGES OF THIS PROJECT CAN BE COMPLETED IN ANY ORDER, HOWEVER, BOTH THE ENGINEER AND THE CITY CAN DICTATE THE ORDER OF CONSTRUCTION OF THESE STAGES DUE TO SCHEDULE CONCERNS. THE CONTRACTOR SHALL COORDINATE THE ORDER OF CONSTRUCTION WITH THE ENGINEER PRIOR TO INITIATING CONSTRUCTION OPERATIONS. THE NORTH AND SOUTH STAGES MAY NOT BE COMPLETED CONCURRENTLY.
- 2.) ARCHER ELEVATOR ROAD FROM NORTH OF HPR/YUCAN DRIVE INTERSECTION TO NORTH OF FIELDING LANE CLOSED TO TRAFFIC DURING THIS STAGE.
- 3.) PRIOR TO INITIATING THE SECOND STAGE (NORTH OR SOUTH), ALL STAGE 1 CONSTRUCTION SHALL BE COMPLETED AND DETOUR SIGNING AND TRAFFIC CONTROL SHALL BE REMOVED.
- 4.) ARCHER ELEVATOR ROAD (SOUTH STAGE) SHALL NOT REMAIN CLOSED TO TRAFFIC DURING A WINTER SHUTDOWN. PRIOR TO RE-OPENING THE ROAD TO TWO-WAY TRAFFIC, THE TOP LIFT OF HMA BINDER SHALL BE CONSTRUCTED AND TEMPORARY PAVEMENT MARKING INSTALLED. DETOUR SIGNING THAT IS NOT APPLICABLE OVER A WINTER SHUTDOWN SHALL BE REMOVED OR COVERED BY THE CONTRACTOR.

LEGEND

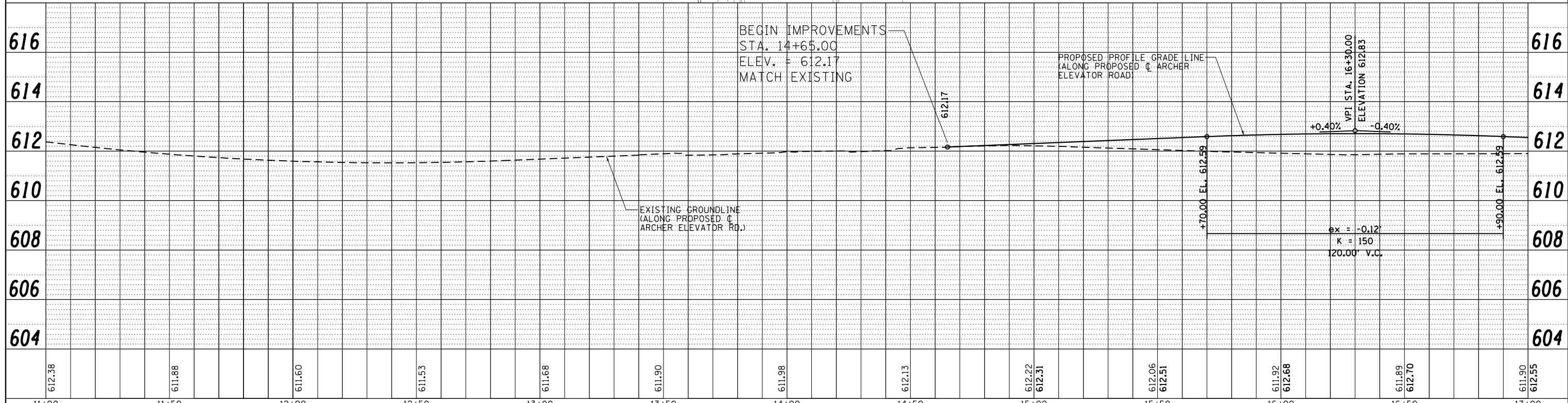
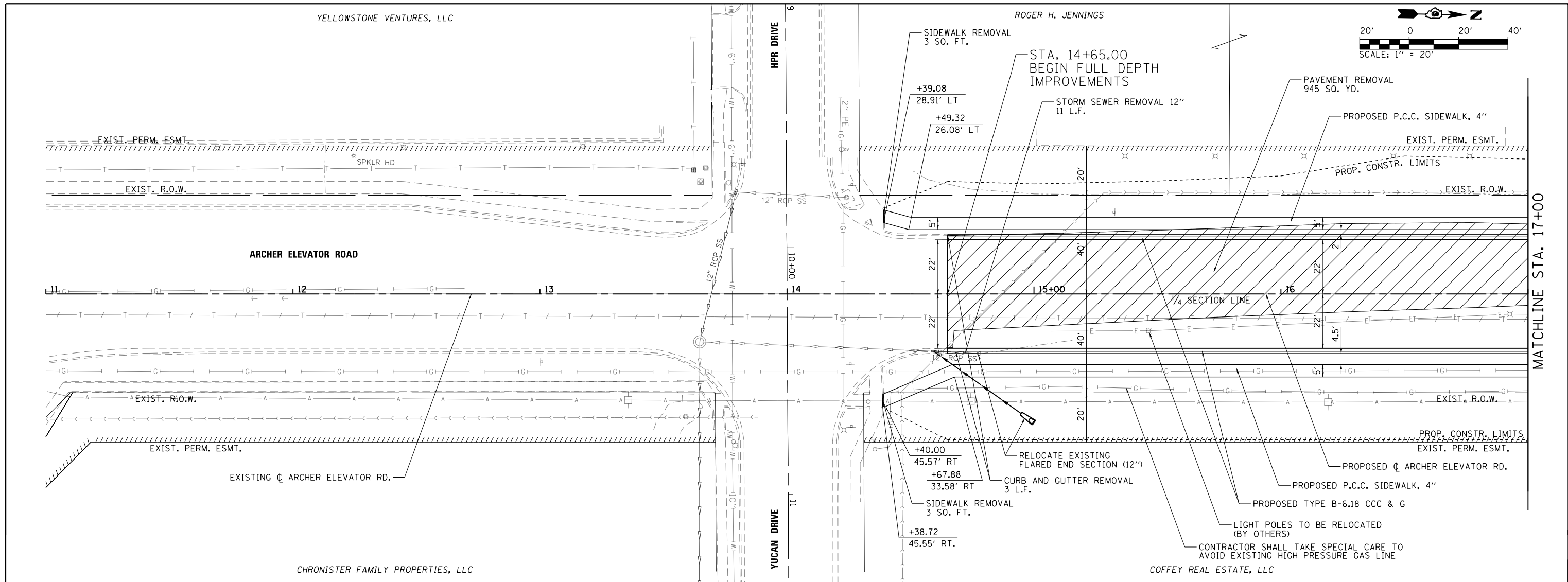
-  WORK AREA
-  SIGN PANEL ON PERMANENT SUPPORT
-  TYPE III BARRICADE W/ TYPE A FLASHING LIGHTS
-  ALTERNATE ROUTING

					
W20-3 (0) (4848) POST MOUNTED W/ LIGHT	W20-3 (4848) POST MOUNTED W/ LIGHT	R11-4 (6030) BARRICADE MOUNTED W/ LIGHTS	R11-2 (4830) BARRICADE MOUNTED W/ LIGHTS	W20-2a (4848) POST MOUNTED W/ LIGHT	M4-9L 30" X 24"
SIGN PANEL No. 1	SIGN PANEL No. 2	SIGN PANEL No. 3	SIGN PANEL No. 4	SIGN PANEL No. 5	SIGN PANEL No. 6
					
M4-9R 30" X 24"	M6-1L (0) (2115) POST MOUNTED	M6-1R (0) (2115) POST MOUNTED	W21-18 (0) (4818) POST MOUNTED	M4-8 (0) (3015) POST MOUNTED	
SIGN PANEL No. 7	SIGN PANEL No. 8	SIGN PANEL No. 9	SIGN PANEL No. 10	SIGN PANEL No. 11	



PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES	
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	STRUCTURE	
	NOTATIONS	
	CHP	
	NO.	



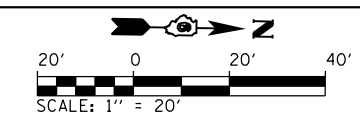
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		DATE - 5/24/2019	REVISED -

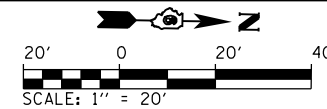
**CITY OF SPRINGFIELD
DEPARTMENT OF PUBLIC WORKS**

**PLAN AND PROFILE
F.A.U. 8011 (ARCHER ELEVATOR ROAD)**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8011	17-00431-02-PV	SANGAMON	79	26
CONTRACT NO. 93719		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

SCALE: 1"=20' SHEET NO. OF SHEETS STA. 11+00 TO STA. 17+00





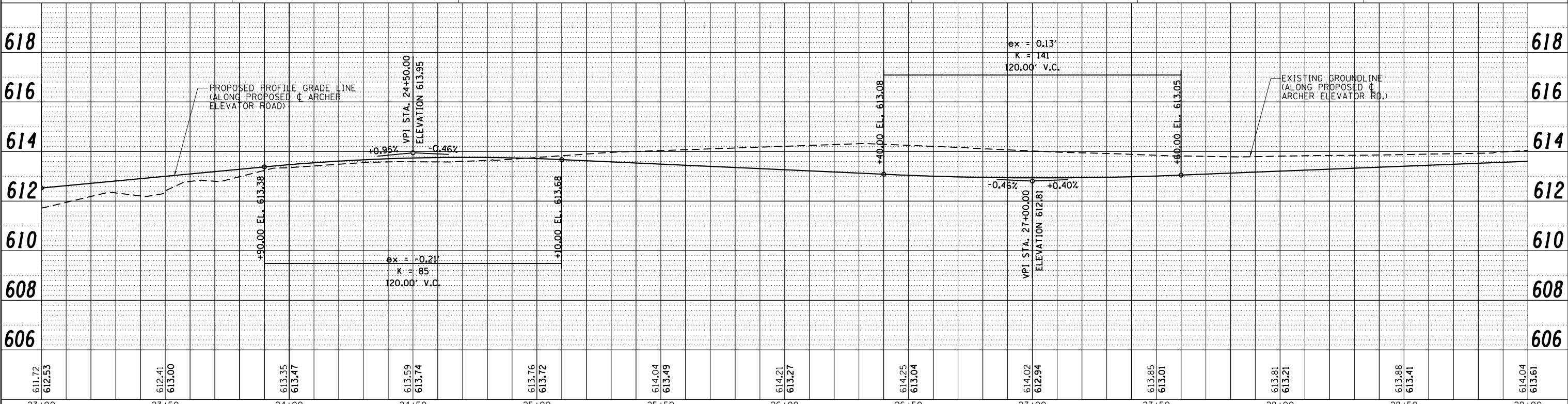
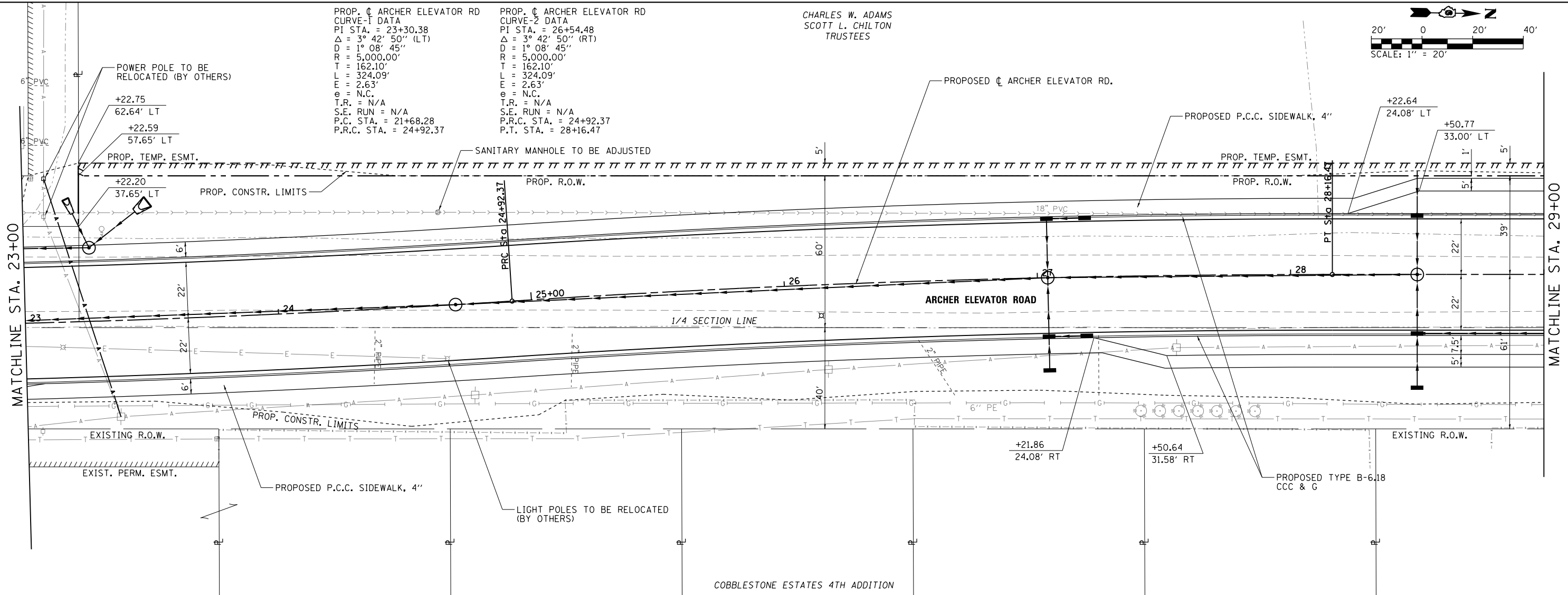
CHARLES W. ADAMS
SCOTT L. CHILTON
TRUSTEES

PROP. C ARCHER ELEVATOR RD
CURVE-1 DATA
PI STA. = 23+30.38
 $\Delta = 3^\circ 42' 50''$ (LT)
D = 1° 08' 45"
R = 5,000.00'
T = 162.10'
L = 324.09'
E = 2.63'
e = N.C.
T.R. = N/A
S.E. RUN = N/A
P.C. STA. = 21+68.28
P.R.C. STA. = 24+92.37

PROP. C ARCHER ELEVATOR RD
CURVE-2 DATA
PI STA. = 26+54.48
 $\Delta = 3^\circ 42' 50''$ (RT)
D = 1° 08' 45"
R = 5,000.00'
T = 162.10'
L = 324.09'
E = 2.63'
e = N.C.
T.R. = N/A
S.E. RUN = N/A
P.R.C. STA. = 24+92.37
P.T. STA. = 28+16.47

PLAN	SURVEYED	DATE
	PLOTTED	
	NOTE BOOK	
	NO.	
	CHECKED	
	FILE NAME	

PROFILE	SURVEYED	DATE
	GRADES CHECKED	
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		CHECKED - KLT	REVISED -
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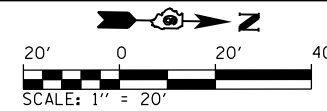
CITY OF SPRINGFIELD
DEPARTMENT OF PUBLIC WORKS

PLAN AND PROFILE
F.A.U. 8011 (ARCHER ELEVATOR ROAD)

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8011	17-00431-02-PV	SANGAMON	79	28
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 93719		

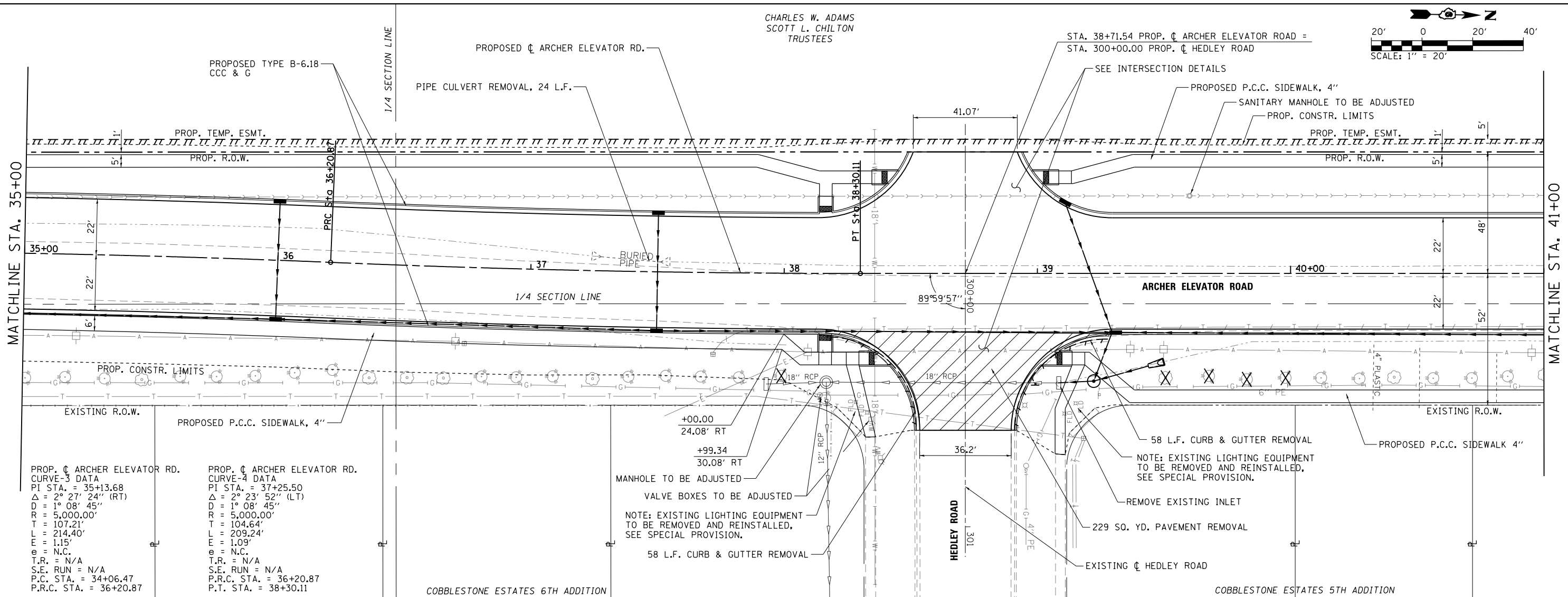
SCALE: 1"=20' SHEET NO. OF SHEETS STA. 23+00 TO STA. 29+00

CHARLES W. ADAMS
SCOTT L. CHILTON
TRUSTEES



PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	CHPND	
	NO.	

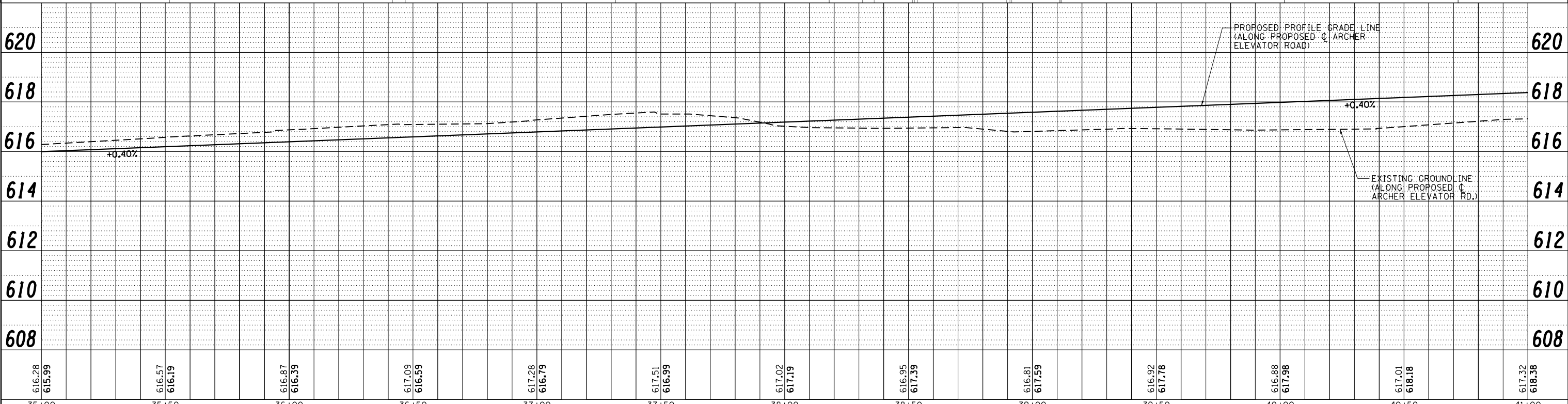


PROPOSED ϕ ARCHER ELEVATOR RD.
CURVE-3 DATA
PI STA. = 35+13.68
 Δ = 2° 27' 24" (RT)
D = 1° 08' 45"
R = 5,000.00'
T = 107.21'
L = 214.40'
E = 1.15'
e = N.C.
T.R. = N/A
S.E. RUN = N/A
P.C. STA. = 34+06.47
P.R.C. STA. = 36+20.87

PROPOSED ϕ ARCHER ELEVATOR RD.
CURVE-4 DATA
PI STA. = 37+25.50
 Δ = 2° 23' 52" (LT)
D = 1° 08' 45"
R = 5,000.00'
T = 104.64'
L = 209.24'
E = 1.09'
e = N.C.
T.R. = N/A
S.E. RUN = N/A
P.R.C. STA. = 36+20.87
P.T. STA. = 38+30.11

MANHOLE TO BE ADJUSTED
VALVE BOXES TO BE ADJUSTED
NOTE: EXISTING LIGHTING EQUIPMENT TO BE REMOVED AND REINSTALLED, SEE SPECIAL PROVISION.
58 L.F. CURB & GUTTER REMOVAL

58 L.F. CURB & GUTTER REMOVAL
NOTE: EXISTING LIGHTING EQUIPMENT TO BE REMOVED AND REINSTALLED, SEE SPECIAL PROVISION.
REMOVE EXISTING INLET
229 SQ. YD. PAVEMENT REMOVAL
EXISTING ϕ HEDLEY ROAD



616.28 615.99	616.57 616.19	616.87 616.39	617.09 616.59	617.28 616.79	617.51 616.99	617.02 617.19	616.95 617.39	616.81 617.59	616.92 617.78	616.88 617.98	617.01 618.18	617.32 618.36
35+00	35+50	36+00	36+50	37+00	37+50	38+00	38+50	39+00	39+50	40+00	40+50	41+00

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PLOT DATE = 5/24/2019

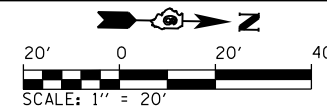
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DRAWN - GLD/RAH	REVISED -
CHECKED - KLT	REVISED -
DATE - 5/24/2019	REVISED -

**CITY OF SPRINGFIELD
DEPARTMENT OF PUBLIC WORKS**

**PLAN AND PROFILE
F.A.U. 8011 (ARCHER ELEVATOR ROAD)**
SCALE: 1"=20' SHEET NO. OF SHEETS STA. 35+00 TO STA. 41+00

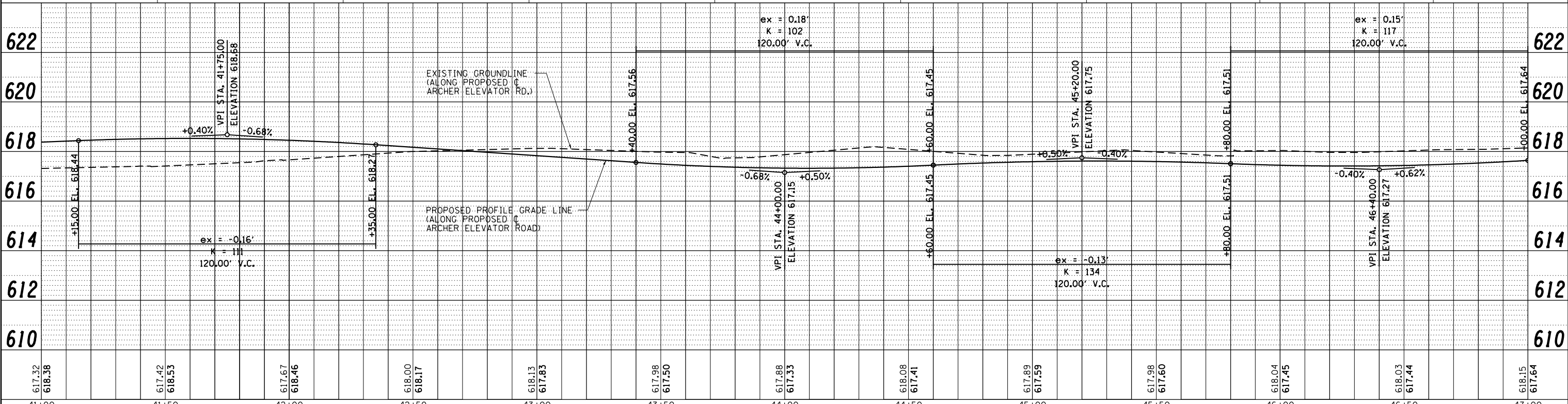
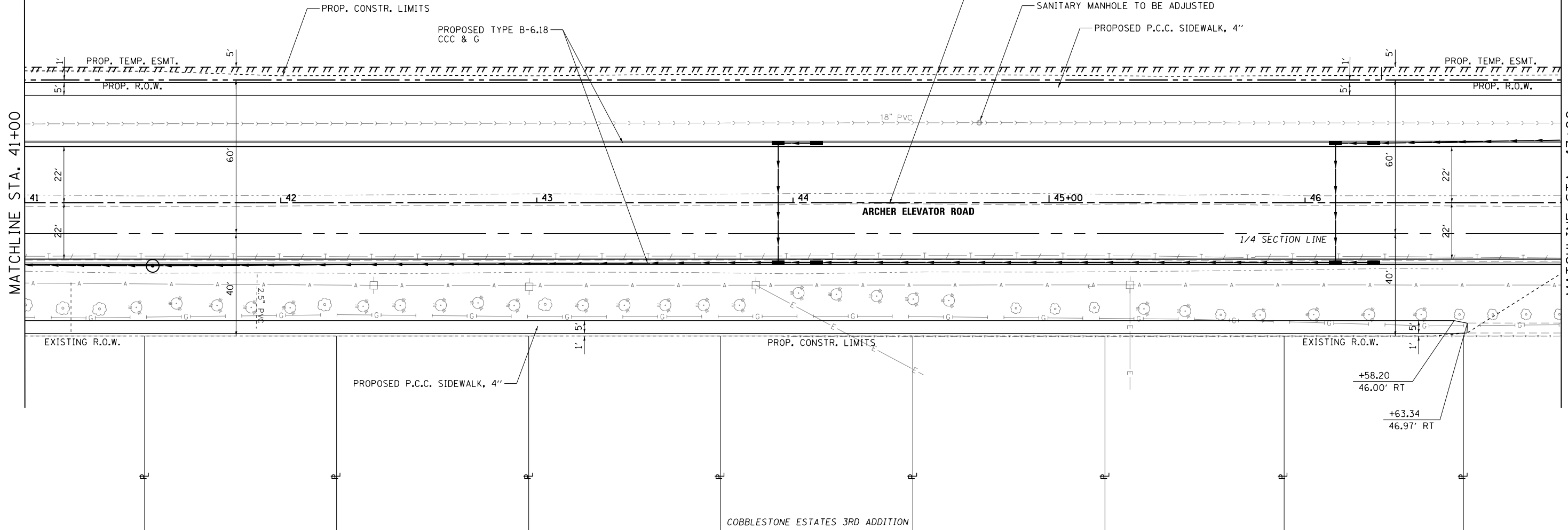
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8011	17-00431-02-PV	SANGAMON	79	30
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 93719

CHARLES W. ADAMS
SCOTT L. CHILTON
TRUSTEES



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	CHFD	
	NO.	



FILE NAME =	USER NAME = Brian Bond	DESIGNED - BMB	REVISED -
...XC2-D6-ShL.PNP_206.dgn		DRAWN - GLD/RAH	REVISED -
		CHECKED - KLT	REVISED -
		DATE - 5/24/2019	REVISED -

CITY OF SPRINGFIELD
DEPARTMENT OF PUBLIC WORKS

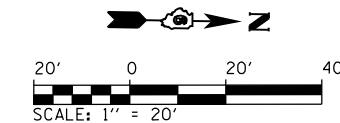
PLAN AND PROFILE
F.A.U. 8011 (ARCHER ELEVATOR ROAD)

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8011	17-00431-02-PV	SANGAMON	79	31
CONTRACT NO. 93719				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SCALE: 1"=20' SHEET NO. OF SHEETS STA. 41+00 TO STA. 47+00

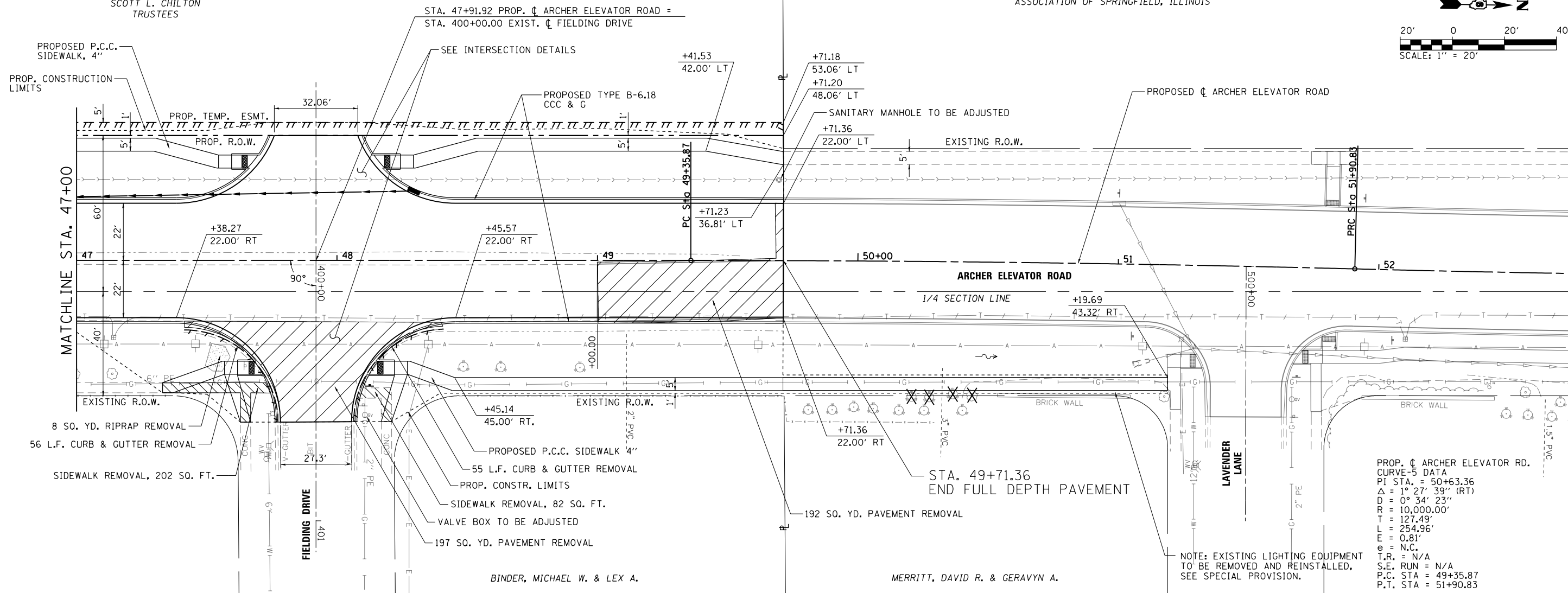
CHARLES W. ADAMS
SCOTT L. CHILTON
TRUSTEES

YOUNG MENS CHRISTIAN
ASSOCIATION OF SPRINGFIELD, ILLINOIS

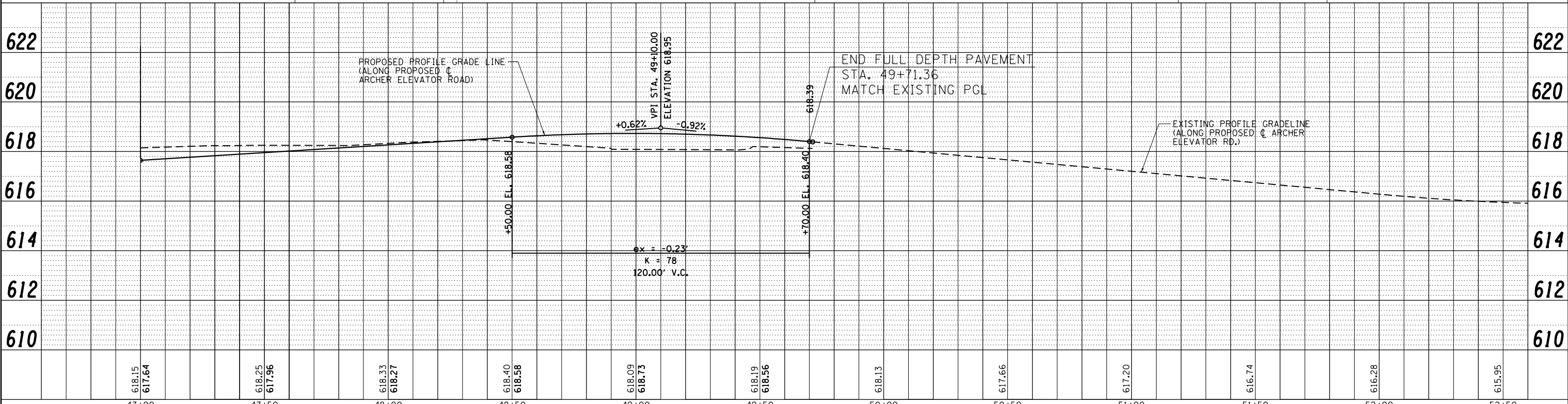


PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	CHKD	
	NO.	



PROP. \bar{C} ARCHER ELEVATOR RD.
CURVE-5 DATA
PI STA. = 50+63.36
 Δ = 1° 27' 39" (RT)
 D = 0° 34' 23" (RT)
 R = 10,000.00'
 T = 127.49'
 L = 254.96'
 E = 0.81'
 e = N.C.
T.R. = N/A
S.E. RUN = N/A
P.C. STA = 49+35.87
P.T. STA = 51+90.83



FILE NAME =	USER NAME = Brian Bond	DESIGNED - BMB	REVISED -	CITY OF SPRINGFIELD DEPARTMENT OF PUBLIC WORKS	PLAN AND PROFILE F.A.U. 8011 (ARCHER ELEVATOR ROAD)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...XC2-D6-ShL.PNP.207.dgn	PLOT SCALE = 40.0000' / in.	DRAWN - GLD/RAH	REVISED -			8011	17-00431-02-PV	SANGAMON	79	32
	PLOT DATE = 5/29/2019	CHECKED - KLT	REVISED -			CONTRACT NO. 93719				
		DATE - 5/24/2019	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

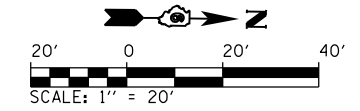
SCALE: 1"=20' SHEET NO. OF SHEETS STA. 47+00 TO STA. 52+60

SPRINGFIELD PARK DISTRICT

MINDER, MARK A. & DIMANAL

HALE, LARRY L. & BARBARA J.

MCCUEN, CYNTHIA JANE



DAVIDSON, JOHN M. & KELLEY A.

STA. 76+22.84
BEGIN FULL DEPTH
PAVEMENT

PROPOSED P.C.C. SIDEWALK, 4"

PROPOSED CONSTRUCTION LIMITS

REMOVE EXISTING FLARED END SECTION (24")

REMOVE EXISTING RIPRAP, 106 SQ. YD.

PIPE CULVERT REMOVAL, 31 L.F.

CONCRETE HEADWALL REMOVAL,
2 EACH

SANITARY MANHOLE TO BE ADJUSTED

EXISTING/PROPOSED C ARCHER
ELEVATOR ROAD

EXIST. R.O.W.

EXIST. R.O.W.

ARCHER ELEVATOR ROAD

1/4 SECTION LINE

MATCHLINE STA. 80+00

PLAN	SURVEYED	DATE
	PLOTTED	
	NOTE BOOK	
	NO. _____	
	CHECKED	
	FILE NAME	
	NO. _____	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	NO. _____	
	STRUCTURE	
	NOTATIONS	
	CHKD	
	NO. _____	

PROP. C ARCHER ELEVATOR RD.
CURVE-6 DATA
PI STA. = 74+48.00
Δ = 1° 12' 56" (RT)
D = 0° 34' 23"
R = 10,000.00'
T = 106.07'
L = 212.14'
E = 0.56'
e = N.C.
T.R. = N/A
S.E. RUN = N/A
P.C. STA. = 73+41.93
P.C.R. STA. = 75+54.06

PROP. C ARCHER ELEVATOR RD.
CURVE-7 DATA
PI STA. = 76+60.14
Δ = 1° 12' 56" (LT)
D = 0° 34' 23"
R = 10,000.00'
T = 106.07'
L = 212.14'
E = 0.56'
e = N.C.
T.R. = N/A
S.E. RUN = N/A
P.C. STA. = 75+54.06
P.T. STA. = 77+66.20

LUTHERAN RETIREMENT
CENTER ASSOCIATION

PROPOSED TYPE B-6.18 CCC & G

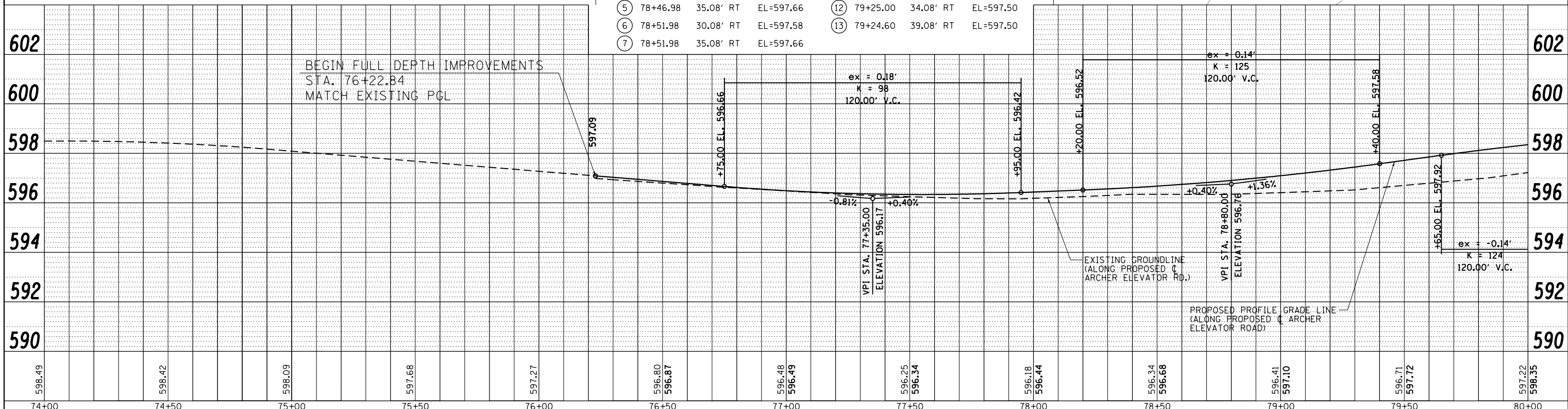
CORGAN, WESLEY K.

SIDEWALK TRANSITIONS

1	78+21.58	34.08' RT	EL=596.79	8	78+75.00	30.08' RT	EL=596.92
2	78+21.98	39.08' RT	EL=596.86	9	78+75.00	35.08' RT	EL=596.99
3	78+46.58	30.08' RT	EL=597.56	10	79+00.00	30.08' RT	EL=597.15
4	78+46.98	30.08' RT	EL=597.58	11	78+99.60	35.08' RT	EL=597.22
5	78+46.98	35.08' RT	EL=597.66	12	79+25.00	34.08' RT	EL=597.50
6	78+51.98	30.08' RT	EL=597.58	13	79+24.60	39.08' RT	EL=597.50
7	78+51.98	35.08' RT	EL=597.66				

REMOVE
EXISTING FLARED
END SECTION (48")

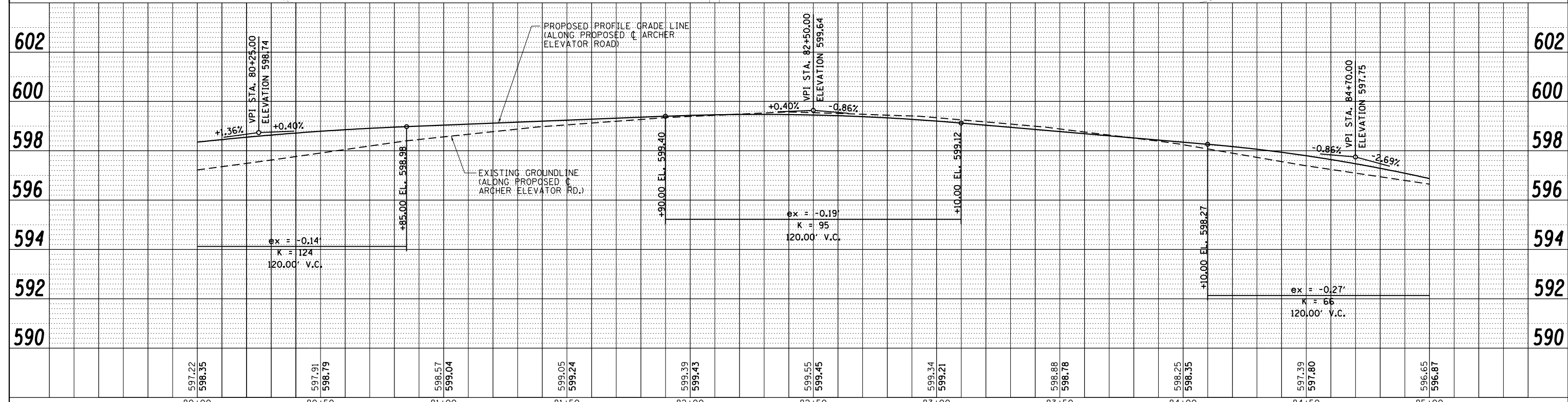
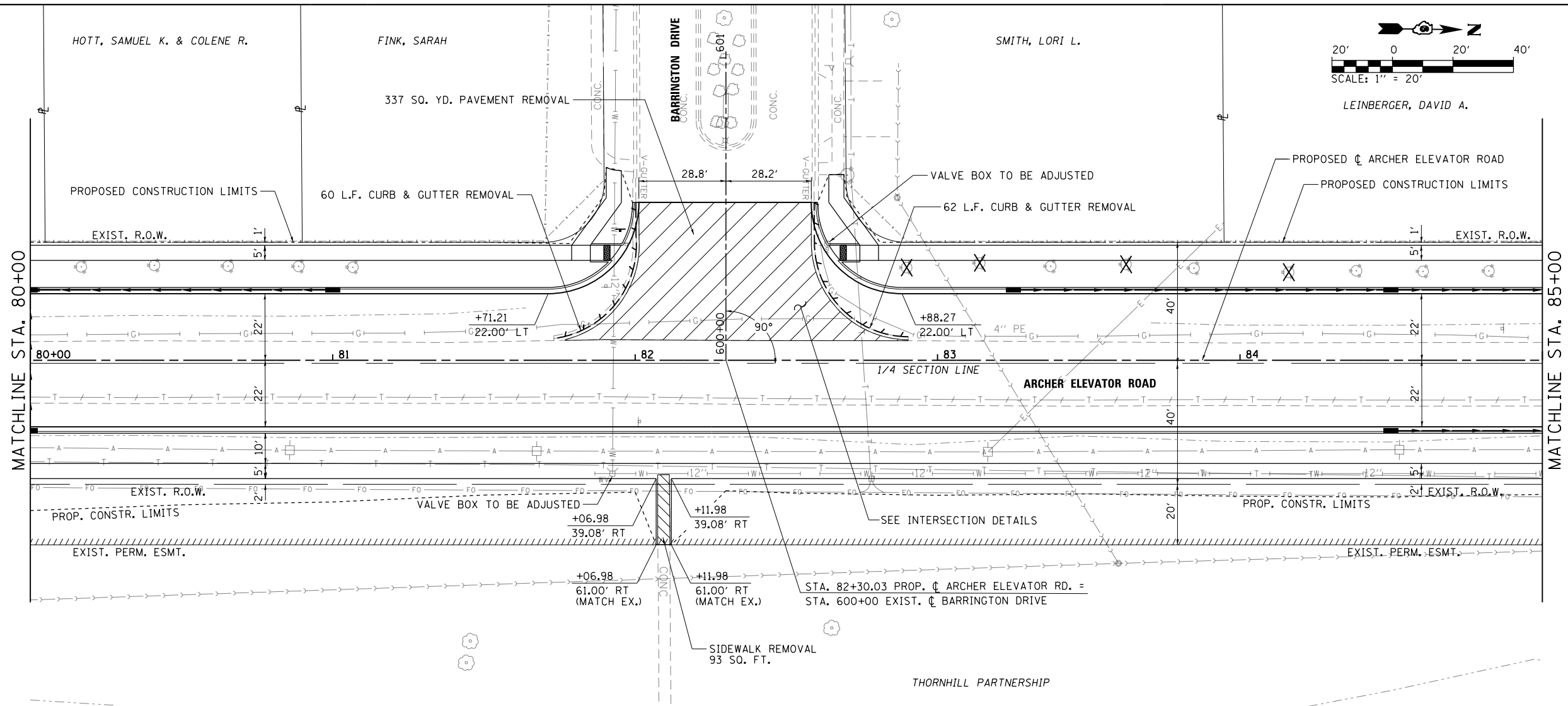
THORNHILL PARTNERSHIP



FILE NAME =	USER NAME = Brian Bond	DESIGNED - BMB	REVISED -	CITY OF SPRINGFIELD DEPARTMENT OF PUBLIC WORKS	PLAN AND PROFILE F.A.U. 8011 (ARCHER ELEVATOR ROAD)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
...XC2-D6-ShL.PNP.211.dgn		DRAWN - GLD/RAH	REVISED -			8011	17-00431-02-PV	SANGAMON	79	33	
		CHECKED - KLT	REVISED -			CONTRACT NO. 93719					
		DATE - 5/24/2019	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

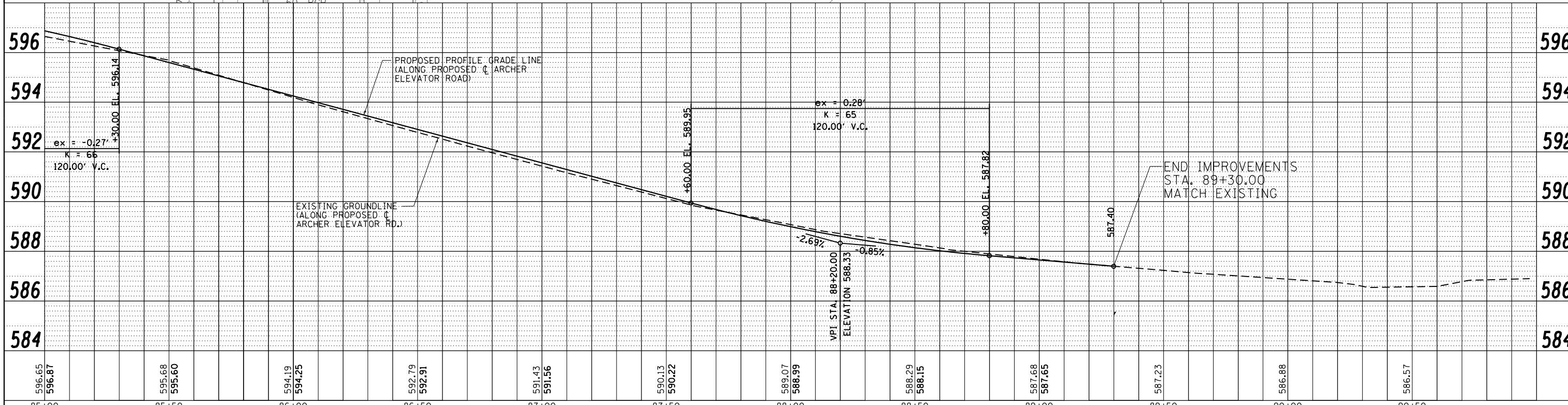
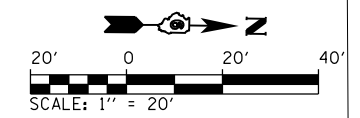
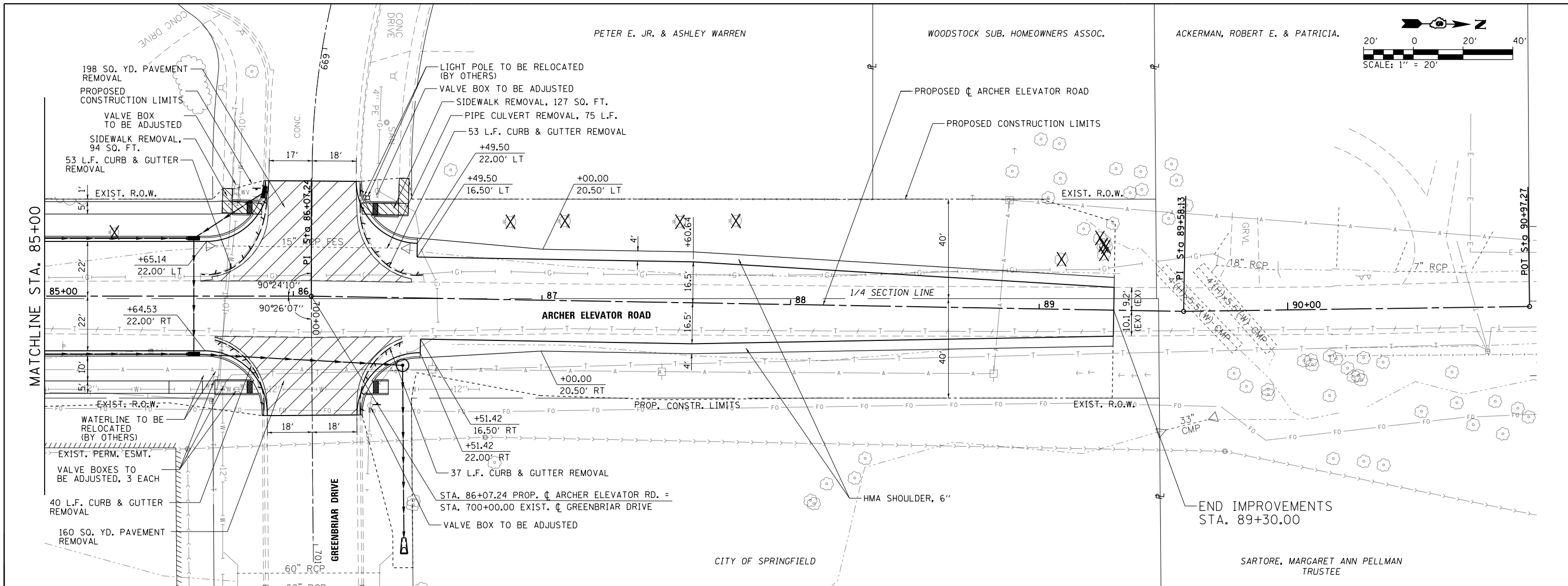
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	



FILE NAME =	USER NAME = Brian Bond	DESIGNED - BMB	REVISED -	CITY OF SPRINGFIELD DEPARTMENT OF PUBLIC WORKS	PLAN AND PROFILE F.A.U. 8011 (ARCHER ELEVATOR ROAD)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...XC2-D6-ShL.PNP.212.dgn		DRAWN - GLD/RAH	REVISED -			8011	17-00431-02-PV	SANGAMON	79	34
		CHECKED - KLT	REVISED -			CONTRACT NO. 93719				
		DATE - 5/24/2019	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
PLOT SCALE = 40.0000' / in.				SCALE: 1"=20'		SHEET NO.	OF SHEETS	STA. 80+00	TO STA. 85+00	

PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	

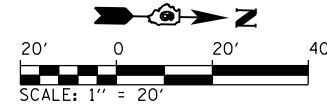
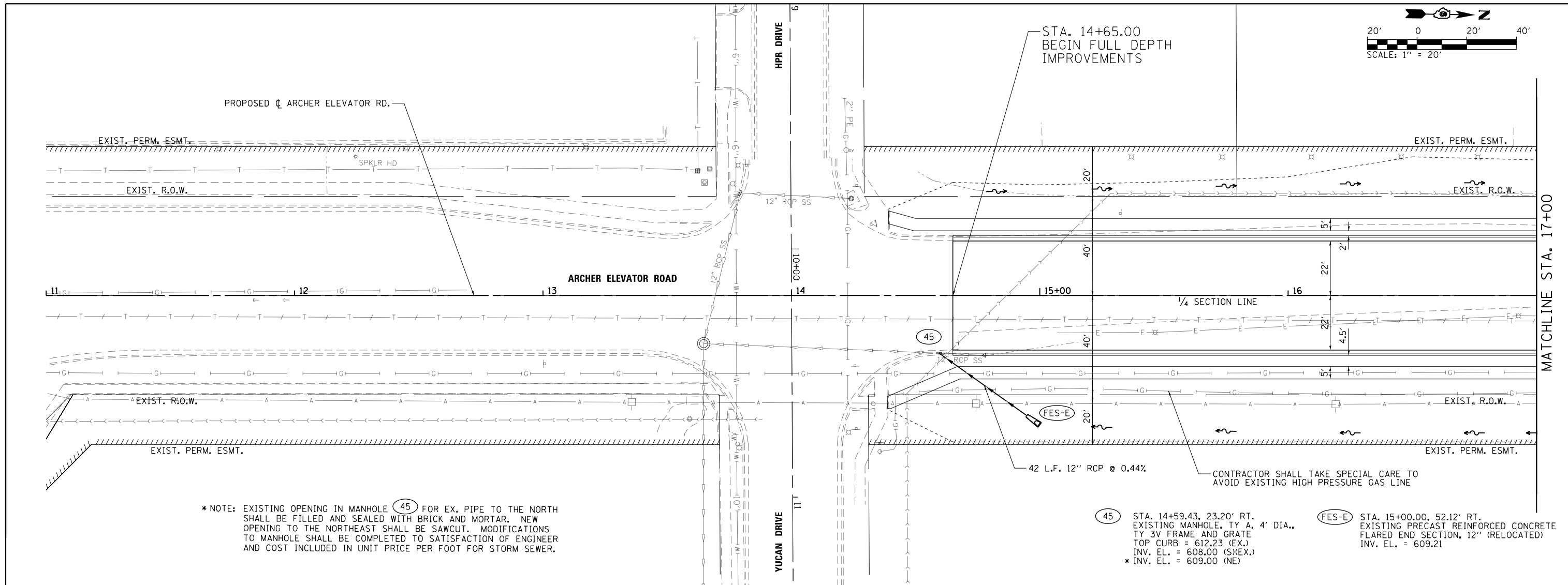
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	



FILE NAME = ...XC2-D6-Sh-L.PNP_213.dgn	USER NAME = Brian Bond	DESIGNED - BMB	REVISED -	CITY OF SPRINGFIELD DEPARTMENT OF PUBLIC WORKS	PLAN AND PROFILE F.A.U. 8011 (ARCHER ELEVATOR ROAD)	F.A.U. RTE. 8011	SECTION 17-00431-02-PV	COUNTY SANGAMON	TOTAL SHEETS 79	SHEET NO. 35
PLOT SCALE = 40.0000' / in.	CHECKED - KLT	REVISOR -	CONTRACT NO. 93719							
PLOT DATE = 5/29/2019	DATE - 5/24/2019	REVISOR -	FED. ROAD DIST. NO.							
			ILLINOIS FED. AID PROJECT							

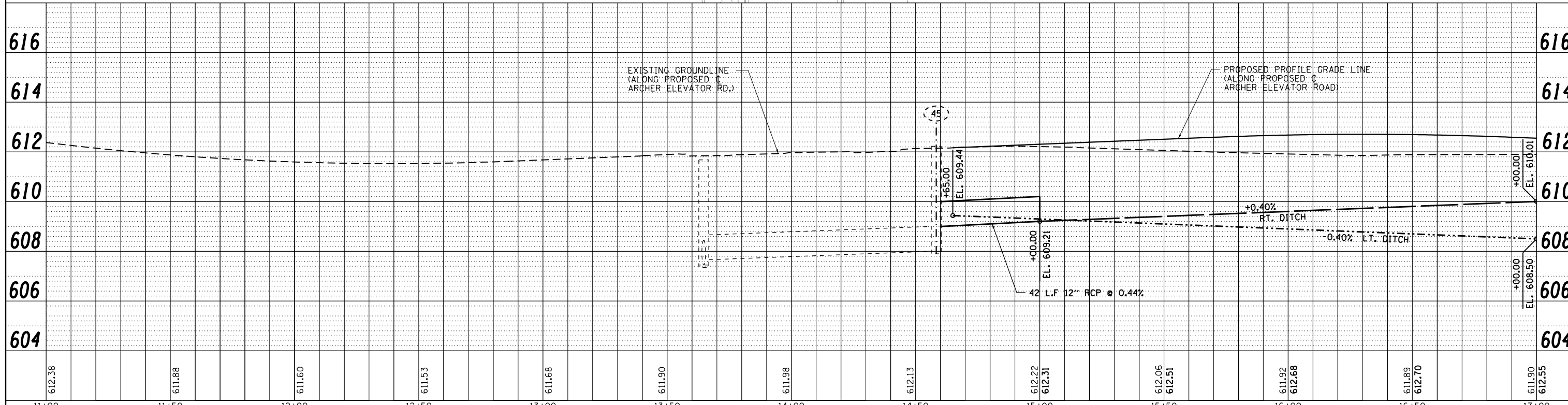
PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	



* NOTE: EXISTING OPENING IN MANHOLE (45) FOR EX. PIPE TO THE NORTH SHALL BE FILLED AND SEALED WITH BRICK AND MORTAR. NEW OPENING TO THE NORTHEAST SHALL BE SAWCUT. MODIFICATIONS TO MANHOLE SHALL BE COMPLETED TO SATISFACTION OF ENGINEER AND COST INCLUDED IN UNIT PRICE PER FOOT FOR STORM SEWER.

- (45) STA. 14+59.43, 23.20' RT. EXISTING MANHOLE, TY A, 4' DIA., TY 3V FRAME AND GRATE TOP CURB = 612.23 (EX.) INV. EL. = 608.00 (S/EX.) * INV. EL. = 609.00 (NE)
- (FES-E) STA. 15+00.00, 52.12' RT. EXISTING PRECAST REINFORCED CONCRETE FLARED END SECTION, 12" (RELOCATED) INV. EL. = 609.21



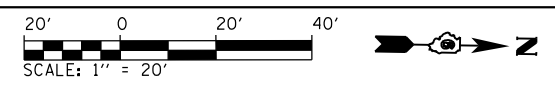
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		DRAWN - GLD/RAH	REVISED -
		CHECKED - KLT	REVISED -
		DATE - 5/24/2019	REVISED -

**CITY OF SPRINGFIELD
DEPARTMENT OF PUBLIC WORKS**

**DRAINAGE PLAN AND PROFILE
F.A.U. 8011 (ARCHER ELEVATOR ROAD)**

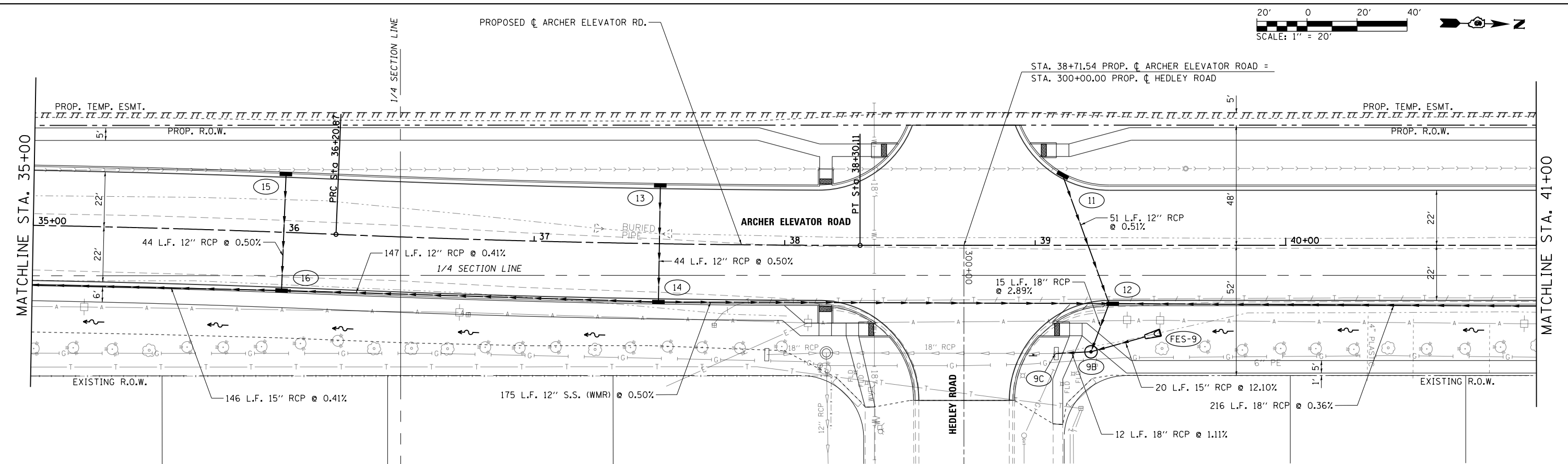
SCALE: 1"=20' SHEET NO. OF SHEETS STA. 11+00 TO STA. 17+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8011	17-00431-02-PV	SANGAMON	79	36
CONTRACT NO. 93719				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

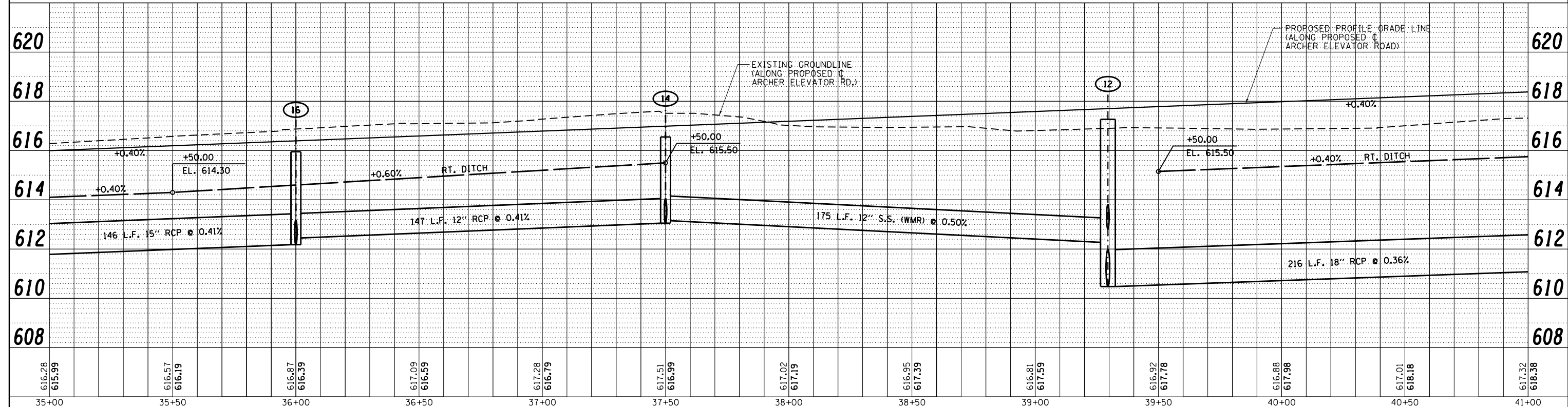


PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
	NO.	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	CHKD	
	NO.	



- 15 STA. 36+00.00, 23.25' LT. INLET, TY A TY 3 FRAME & GRATE RIM. EL. = 615.95 INV. EL. = 612.40
- 16 STA. 36+00.00, 23.25' RT. MANHOLE, TY A, 4' DIA. TY 3 FRAME & GRATE RIM. EL. = 615.95 INV. EL. = 612.18 (W) INV. EL. = 612.45 (N) INV. EL. = 612.18 (S)
- 13 STA. 37+50.00, 23.25' LT. INLET, TY A TY 3 FRAME & GRATE RIM. EL. = 616.55 INV. EL. = 613.27
- 14 STA. 37+50.00, 23.25' RT. MANHOLE, TY A, 4' DIA. TY 3 FRAME & GRATE RIM. EL. = 616.55 INV. EL. = 613.05 (W) INV. EL. = 613.15 (N) INV. EL. = 613.05 (S)
- 9C STA. 39+08.13, 43.21' RT. CONCRETE COLLAR (18") 0.4 CU. YD. INV. EL. = 608.37
- 9B STA. 39+22.27, 42.51' RT. MANHOLE, TY A, 6' DIA. CASTING CENTER AT STA. 39+22.27, 44.51' RT. (EAST) TY 1 FRAME, CLOSED LID RIM. EL. = 616.80 INV. EL. = 608.50 (S) INV. EL. = 612.00 (N) INV. EL. = 610.05 (NW)
- 11 STA. 39+10.96, 27.99' LT. INLET, TY A TY 3 FRAME & GRATE RIM. EL. = 617.07 INV. EL. = 613.07
- FES-9 STA. 39+50.00, 34.83' RT. PRECAST REINFORCED CONCRETE FLARED END SECTION, 15" INV. EL. = 615.15
- 12 STA. 39+29.50, 23.25' RT. MANHOLE, TY A, 6' DIA. CASTING CENTER AT STA. 39+31.00, 23.25' RT. (NORTH) TY 3 FRAME & GRATE RIM. EL. = 617.27 INV. EL. = 612.81 (W) INV. EL. = 610.48 (N) INV. EL. = 612.27 (S) INV. EL. = 610.48 (SE)



616.28 615.99	616.57 616.19	616.87 616.39	617.09 616.59	617.28 616.79	617.51 616.99	617.02 617.19	616.95 617.39	616.81 617.59	616.92 617.78	616.88 617.98	617.01 618.18	617.32 618.36
35+00	35+50	36+00	36+50	37+00	37+50	38+00	38+50	39+00	39+50	40+00	40+50	41+00

FILE NAME = ...XC2-D6-ShLDR_PNP_205.dgn

USER NAME = Brian Bond	DESIGNED - BMB	REVISED -
	DRAWN - GLD/RAH	REVISED -
	CHECKED - KLT	REVISED -
	DATE - 5/24/2019	REVISED -

**CITY OF SPRINGFIELD
DEPARTMENT OF PUBLIC WORKS**

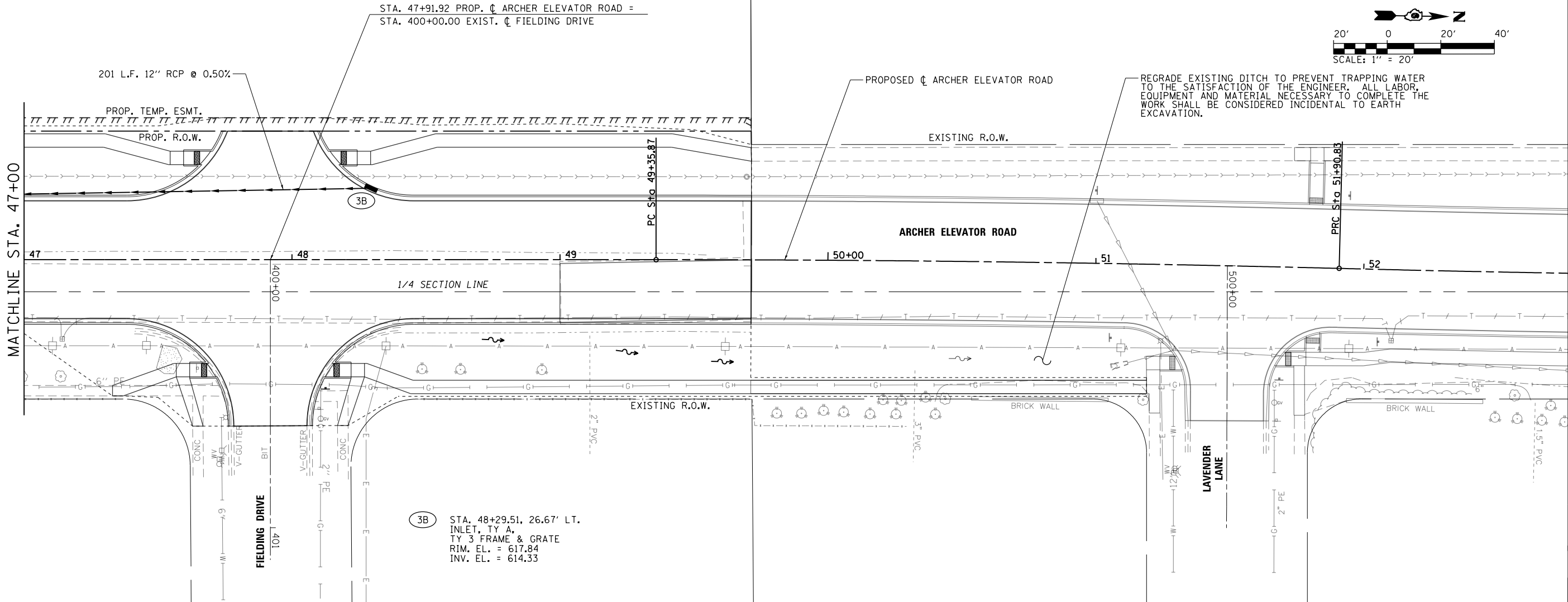
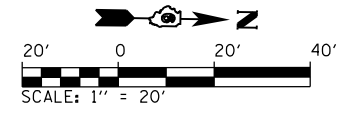
**DRAINAGE PLAN AND PROFILE
F.A.U. 8011 (ARCHER ELEVATOR ROAD)**

SCALE: 1"=20" SHEET NO. OF SHEETS STA. 35+00 TO STA. 41+00

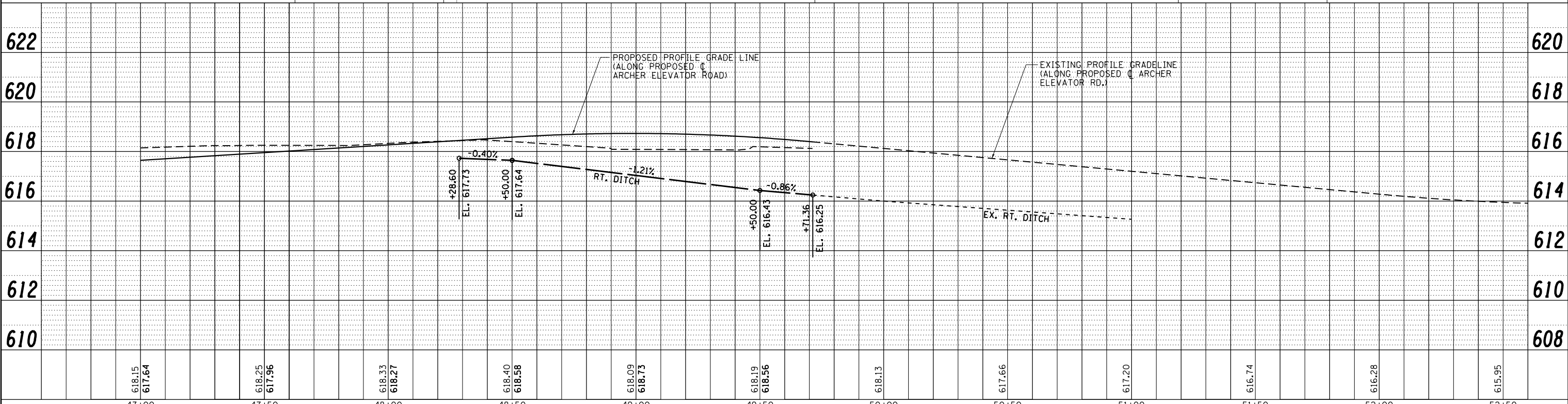
F.A.U. RT. 8011	SECTION 17-00431-02-PV	COUNTY SANGAMON	TOTAL SHEETS 79	SHEET NO. 40
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 93719				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	



3B STA. 48+29.51, 26.67' LT.
INLET, TY A,
TY 3 FRAME & GRATE
RIM. EL. = 617.84
INV. EL. = 614.33



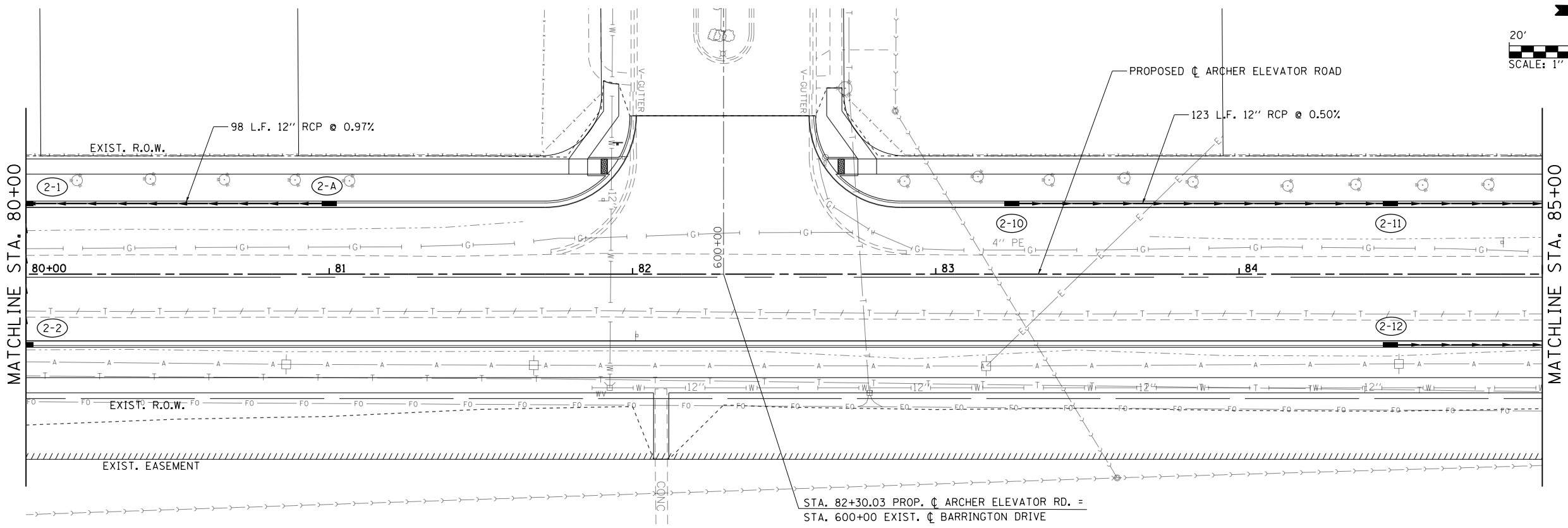
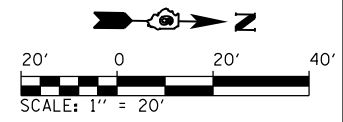
FILE NAME =	USER NAME = Brian Bond	DESIGNED - BMB	REVISED -
...XC2-D6-ShL_DR_PNP_207.dgn		DRAWN - GLD/RAH	REVISED -
		CHECKED - KLT	REVISED -
		DATE - 5/24/2019	REVISED -

**CITY OF SPRINGFIELD
DEPARTMENT OF PUBLIC WORKS**

**DRAINAGE PLAN AND PROFILE
F.A.U. 8011 (ARCHER ELEVATOR ROAD)**

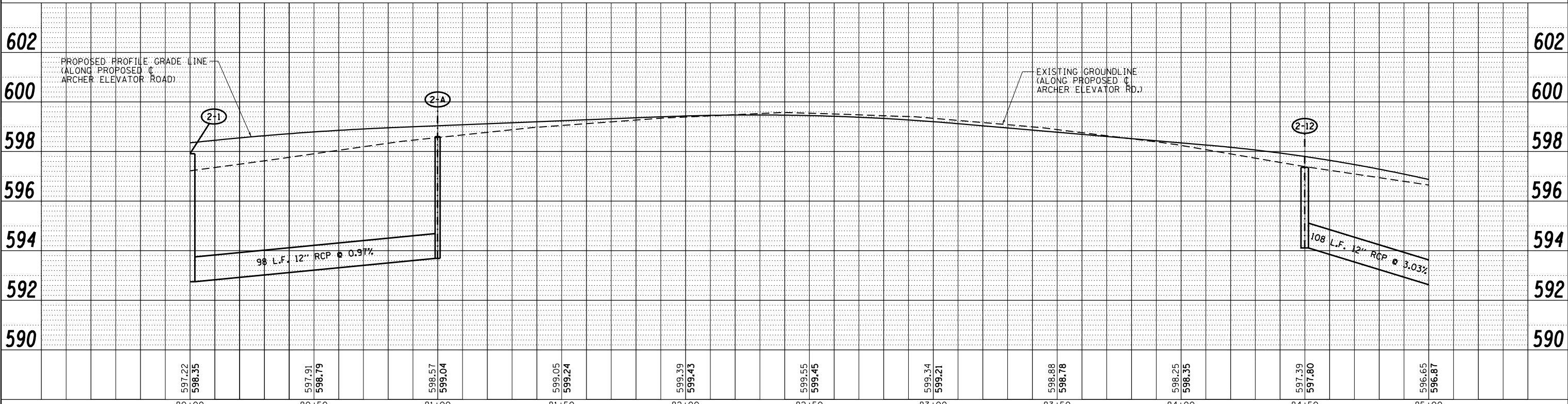
SCALE: 1"=20' SHEET NO. OF SHEETS STA. 47+00 TO STA. 52+60

F.A.U. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8011	17-00431-02-PV	SANGAMON	79	42
CONTRACT NO. 93719				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



STA. 82+30.03 PROP. C ARCHER ELEVATOR RD. =
 STA. 600+00 EXIST. C BARRINGTON DRIVE

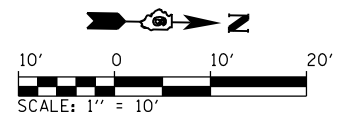
- (2-A) STA. 81+00.00, 23.25' LT.
 INLET, TY A
 TY 3 FRAME & GRATE
 RIM. EL. = 598.60
 INV. EL. = 593.69 (S)
- (2-10) STA. 83+25.00, 23.25' LT.
 INLET, TY A
 TY 3 FRAME & GRATE
 RIM. EL. = 598.56
 INV. EL. = 592.56 (N)
- (2-11) STA. 84+50.00, 23.25' LT.
 INLET, TY B
 TY 3 FRAME & GRATE
 RIM. EL. = 597.36
 INV. EL. = 591.94 (S)
 INV. EL. = 591.84 (N)
- (2-12) STA. 84+50.00, 23.25' RT.
 INLET, TY A
 TY 3 FRAME & GRATE
 RIM. EL. = 597.36
 INV. EL. = 594.11 (N)



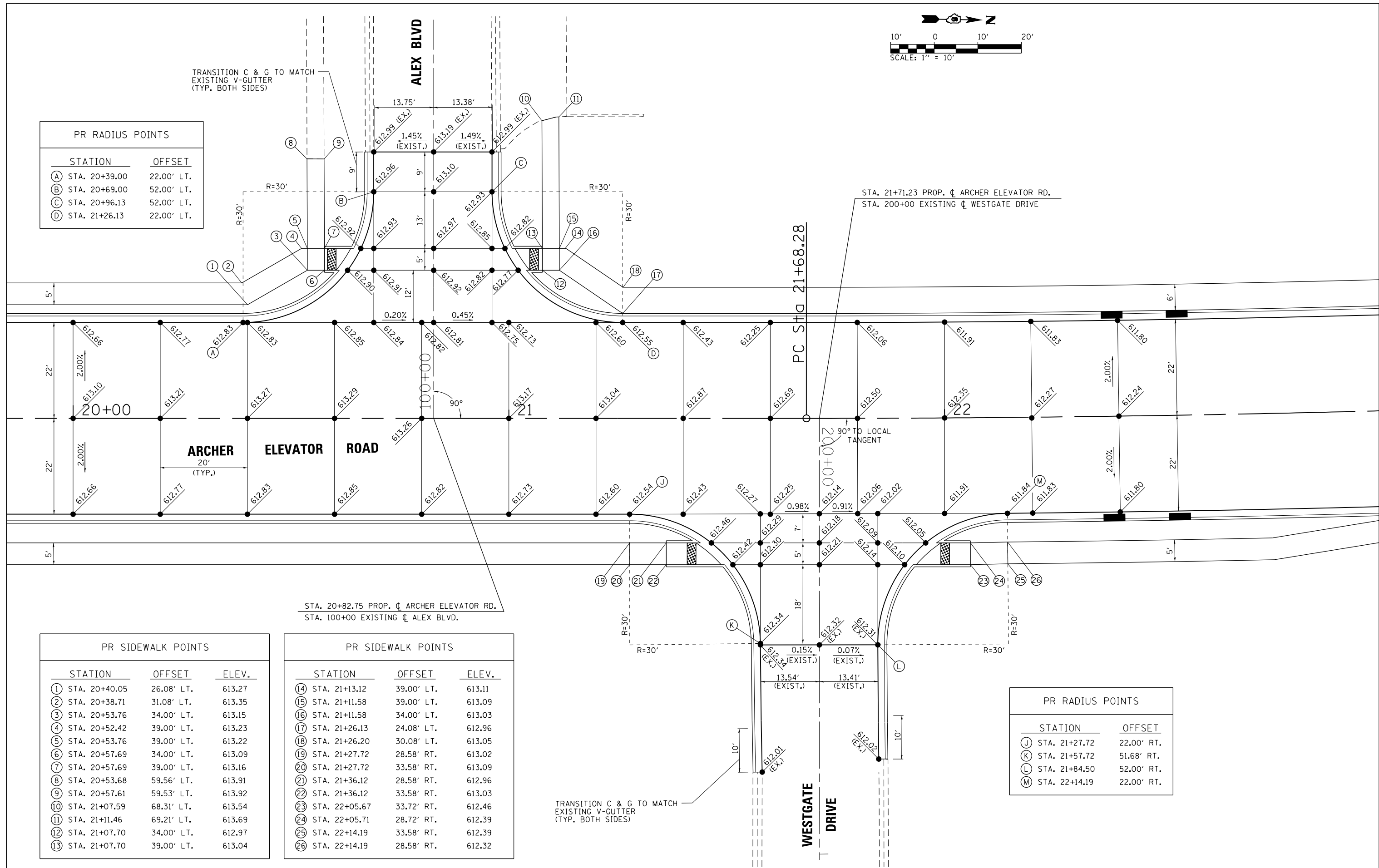
PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	ALIGNMENT CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO. _____	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	ALIGNMENT CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO. _____	

FILE NAME = ...XC2-D6-Sh-L_DR_PNP_212.dgn	USER NAME = Brian Bond	DESIGNED - BMB	REVISED -	CITY OF SPRINGFIELD DEPARTMENT OF PUBLIC WORKS	DRAINAGE PLAN AND PROFILE F.A.U. 8011 (ARCHER ELEVATOR ROAD)	SECTION 8011	COUNTY SANGAMON	TOTAL SHEETS 79	SHEET NO. 44	
	PLOT SCALE = 40.0000' / in.	CHECKED - KLT	REVISED -			CONTRACT NO. 93719				
	PLOT DATE = 5/29/2019	DATE - 5/24/2019	REVISED -			SCALE: 1"=20'				
						SHEET NO. OF SHEETS		STA. 80+00 TO STA. 85+00		



PR RADIUS POINTS	
STATION	OFFSET
(A) STA. 20+39.00	22.00' LT.
(B) STA. 20+69.00	52.00' LT.
(C) STA. 20+96.13	52.00' LT.
(D) STA. 21+26.13	22.00' LT.



STA. 20+82.75 PROP. CL ARCHER ELEVATOR RD.
 STA. 100+00 EXISTING CL ALEX BLVD.

STA. 21+71.23 PROP. CL ARCHER ELEVATOR RD.
 STA. 200+00 EXISTING CL WESTGATE DRIVE

PR SIDEWALK POINTS		
STATION	OFFSET	ELEV.
(1) STA. 20+40.05	26.08' LT.	613.27
(2) STA. 20+38.71	31.08' LT.	613.35
(3) STA. 20+53.76	34.00' LT.	613.15
(4) STA. 20+52.42	39.00' LT.	613.23
(5) STA. 20+53.76	39.00' LT.	613.22
(6) STA. 20+57.69	34.00' LT.	613.09
(7) STA. 20+57.69	39.00' LT.	613.16
(8) STA. 20+53.68	59.56' LT.	613.91
(9) STA. 20+57.61	59.53' LT.	613.92
(10) STA. 21+07.59	68.31' LT.	613.54
(11) STA. 21+11.46	69.21' LT.	613.69
(12) STA. 21+07.70	34.00' LT.	612.97
(13) STA. 21+07.70	39.00' LT.	613.04

PR SIDEWALK POINTS		
STATION	OFFSET	ELEV.
(14) STA. 21+13.12	39.00' LT.	613.11
(15) STA. 21+11.58	39.00' LT.	613.09
(16) STA. 21+11.58	34.00' LT.	613.03
(17) STA. 21+26.13	24.08' LT.	612.96
(18) STA. 21+26.20	30.08' LT.	613.05
(19) STA. 21+27.72	28.58' RT.	613.02
(20) STA. 21+27.72	33.58' RT.	613.09
(21) STA. 21+36.12	28.58' RT.	612.96
(22) STA. 21+36.12	33.58' RT.	613.03
(23) STA. 22+05.67	33.72' RT.	612.46
(24) STA. 22+05.71	28.72' RT.	612.39
(25) STA. 22+14.19	33.58' RT.	612.39
(26) STA. 22+14.19	28.58' RT.	612.32

PR RADIUS POINTS	
STATION	OFFSET
(J) STA. 21+27.72	22.00' RT.
(K) STA. 21+57.72	51.68' RT.
(L) STA. 21+84.50	52.00' RT.
(M) STA. 22+14.19	22.00' RT.

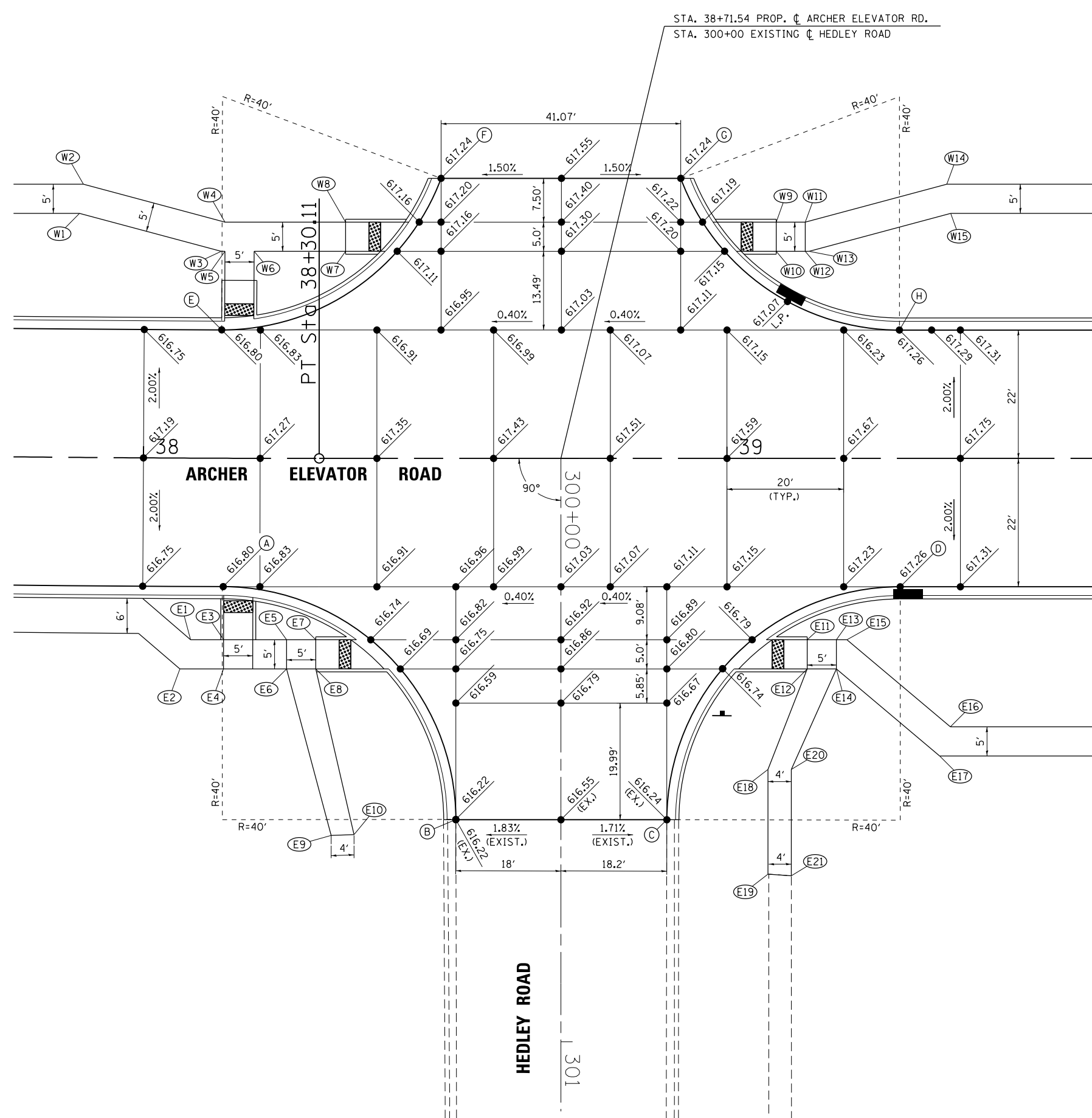
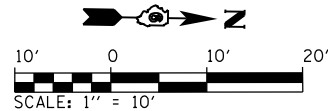
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	PLOT DATE = 5/24/2019	DATE - 5/24/2019	REVISED -

**CITY OF SPRINGFIELD
 DEPARTMENT OF PUBLIC WORKS**

**INTERSECTION DETAILS
 ARCHER ELEVATOR ROAD**

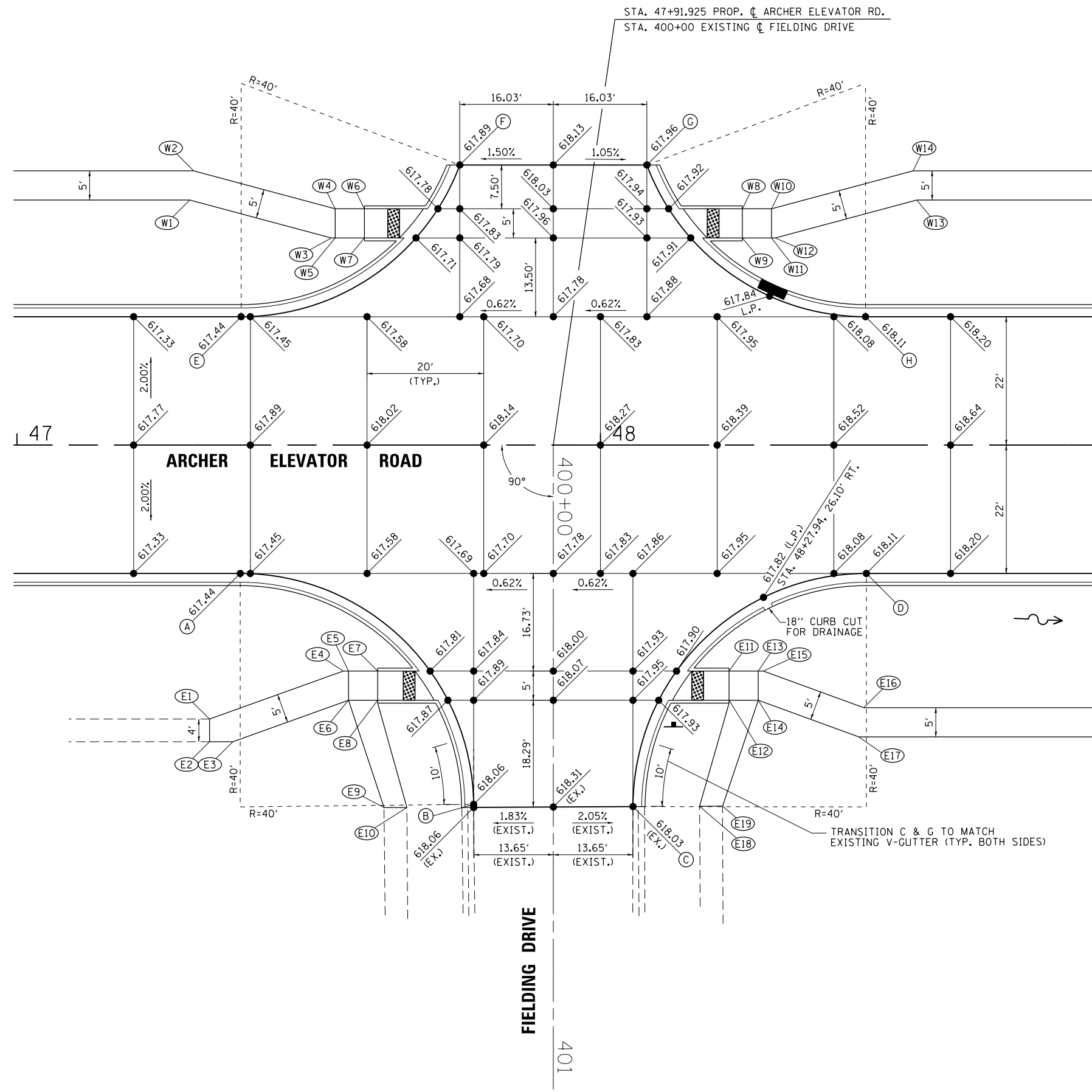
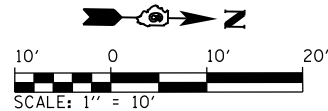
SCALE: 1" = 10' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8011	17-00431-02-PV	SANGAMON	79	46
CONTRACT NO. 93719				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



PR RADIUS POINTS		
STATION	OFFSET	
(A) STA. 38+13.73	22.00' RT.	
(B) STA. 38+53.53	61.87' RT.	
(C) STA. 38+89.69	61.93' RT.	
(D) STA. 39+29.69	22.00' RT.	
(E) STA. 38+13.33	22.00' LT.	
(F) STA. 38+51.00	48.00' LT.	
(G) STA. 38+92.07	48.00' LT.	
(H) STA. 39+29.54	22.00' LT.	

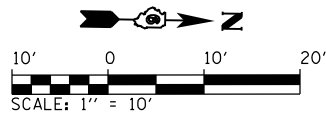
PR SIDEWALK POINTS			
STATION	OFFSET	ELEV.	
(W1) STA. 37+88.71	41.83' LT.	617.38	
(W2) STA. 37+89.33	46.84' LT.	617.45	
(W3) STA. 38+13.19	35.47' LT.	617.37	
(W4) STA. 38+13.84	40.47' LT.	617.45	
(W5) STA. 38+13.84	35.47' LT.	617.38	
(W6) STA. 38+18.87	35.49' LT.	617.40	
(W7) STA. 38+34.63	35.50' LT.	617.46	
(W8) STA. 38+34.63	40.50' LT.	617.53	
(W9) STA. 39+08.42	40.50' LT.	617.67	
(W10) STA. 39+08.42	35.50' LT.	617.60	
(W11) STA. 39+13.42	40.50' LT.	617.70	
(W12) STA. 39+13.42	35.50' LT.	617.62	
(W13) STA. 39+14.08	35.50' LT.	617.63	
(W14) STA. 39+37.68	47.00' LT.	617.98	
(W15) STA. 39+38.34	42.00' LT.	618.05	
(E1) STA. 38+08.22	31.13' RT.	617.34	
(E2) STA. 38+06.40	36.14' RT.	617.42	
(E3) STA. 38+13.83	31.11' RT.	617.32	
(E4) STA. 38+13.83	36.11' RT.	617.40	
(E5) STA. 38+24.55	31.09' RT.	617.24	
(E6) STA. 38+24.56	36.09' RT.	617.31	
(E7) STA. 38+29.52	31.08' RT.	617.20	
(E8) STA. 38+29.52	36.08' RT.	617.27	
(E9) STA. 38+32.15	64.61' RT.	616.85	
(E10) STA. 38+36.08	64.49' RT.	616.72	
(E11) STA. 39+13.74	31.08' RT.	616.85	
(E12) STA. 39+13.74	36.08' RT.	616.93	
(E13) STA. 39+18.74	31.08' RT.	616.93	
(E14) STA. 39+18.74	36.08' RT.	616.85	
(E15) STA. 39+20.56	31.08' RT.	616.90	
(E16) STA. 39+38.27	46.00' RT.	616.59	
(E17) STA. 39+36.45	51.00' RT.	616.66	
(E18) STA. 39+07.02	53.30' RT.	617.04	
(E19) STA. 39+07.02	71.25' RT.	617.10	
(E20) STA. 39+11.02	53.30' RT.	617.02	
(E21) STA. 39+11.02	71.55' RT.	617.19	



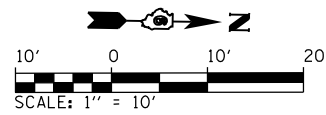
PR RADIUS POINTS	
STATION	OFFSET
(A) STA. 47+38.27	22.00' RT.
(B) STA. 47+78.27	61.57' RT.
(C) STA. 48+05.57	61.94' RT.
(D) STA. 48+45.57	22.00' RT.
(E) STA. 47+38.42	22.00' LT.
(F) STA. 47+75.89	48.00' LT.
(G) STA. 48+07.95	48.00' LT.
(H) STA. 48+45.42	22.00' LT.

PR SIDEWALK POINTS		
STATION	OFFSET	ELEV.
(W1) STA. 47+29.63	42.00' LT.	618.44
(W2) STA. 47+30.28	47.00' LT.	618.51
(W3) STA. 47+53.88	35.50' LT.	618.19
(W4) STA. 47+54.54	40.50' LT.	618.26
(W5) STA. 47+54.54	35.50' LT.	618.19
(W6) STA. 47+59.54	40.50' LT.	618.19
(W7) STA. 47+59.54	35.50' LT.	618.12
(W8) STA. 48+24.30	40.50' LT.	618.45
(W9) STA. 48+24.30	35.50' LT.	618.38
(W10) STA. 48+29.30	40.50' LT.	618.53
(W11) STA. 48+29.30	35.50' LT.	618.44
(W12) STA. 48+29.96	35.50' LT.	618.50
(W13) STA. 48+54.22	42.00' LT.	618.95
(W14) STA. 48+53.56	47.00' LT.	619.02
(E1) STA. 47+33.01	46.95' RT.	618.79 (EX.)
(E2) STA. 47+33.00	50.83' RT.	618.90 (EX.)
(E3) STA. 47+37.00	50.83' RT.	618.87
(E4) STA. 47+55.94	38.73' RT.	618.39
(E5) STA. 47+56.81	38.73' RT.	618.38
(E6) STA. 47+56.81	43.73' RT.	618.44
(E7) STA. 47+61.81	38.73' RT.	618.30
(E8) STA. 47+61.81	43.73' RT.	618.36
(E9) STA. 47+62.92	62.11' RT.	619.13 (EX.)
(E10) STA. 47+66.83	62.11' RT.	619.98 (EX.)
(E11) STA. 48+22.03	38.73' RT.	618.39
(E12) STA. 48+22.03	43.73' RT.	618.45
(E13) STA. 48+27.03	38.73' RT.	618.46
(E14) STA. 48+27.03	43.73' RT.	618.53
(E15) STA. 48+27.91	38.73' RT.	618.48
(E16) STA. 48+45.14	45.00' RT.	618.68
(E17) STA. 48+44.26	50.00' RT.	618.74
(E18) STA. 48+16.99	61.89' RT.	618.96 (EX.)
(E19) STA. 48+20.92	61.87' RT.	619.05 (EX.)

PR RADIUS POINTS	
STATION	OFFSET
(A) STA. 81+71.21	22.00' LT.
(B) STA. 82+01.21	52.18' LT.
(C) STA. 82+58.28	51.79' LT.
(D) STA. 82+88.27	22.00' LT.



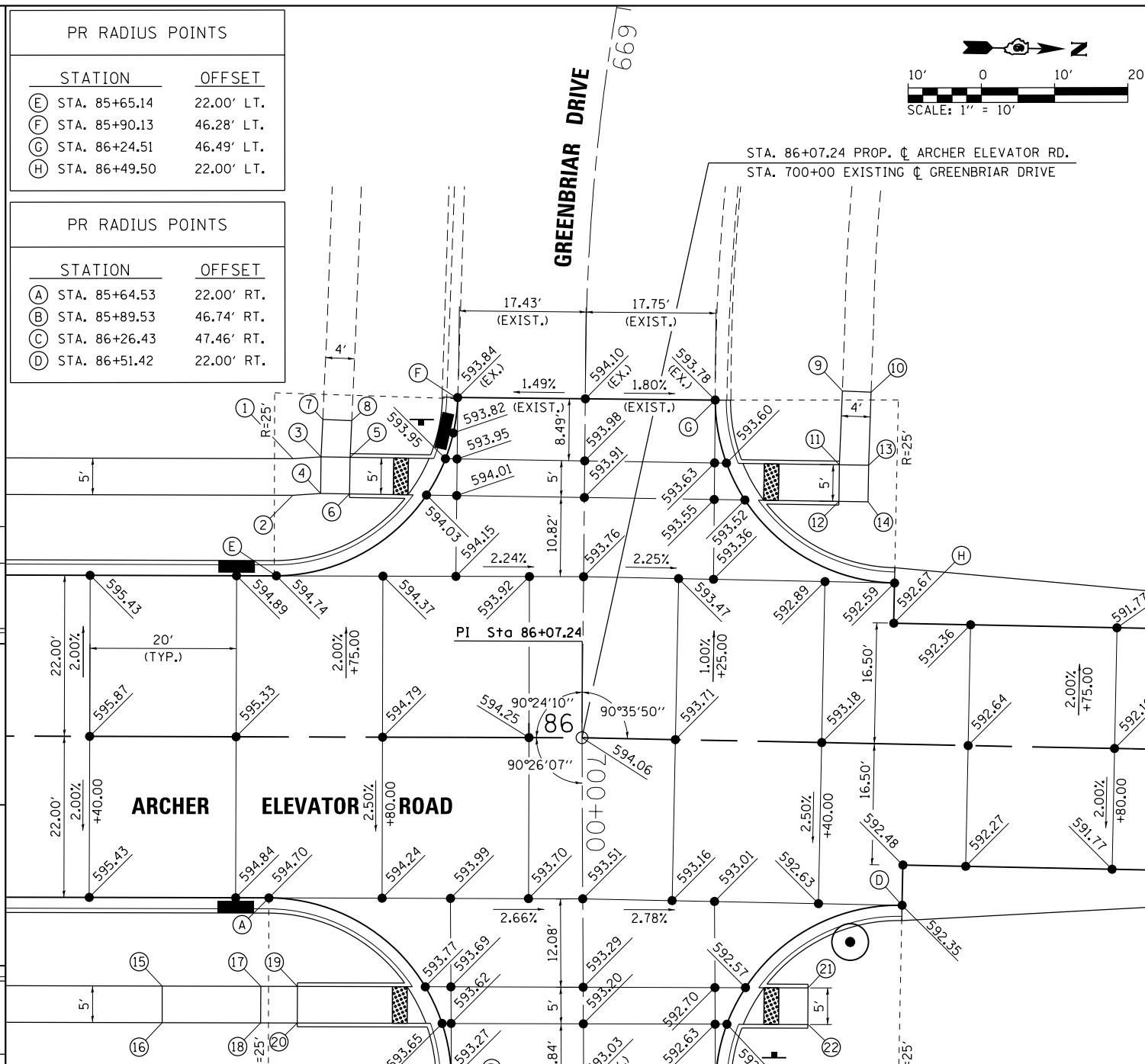
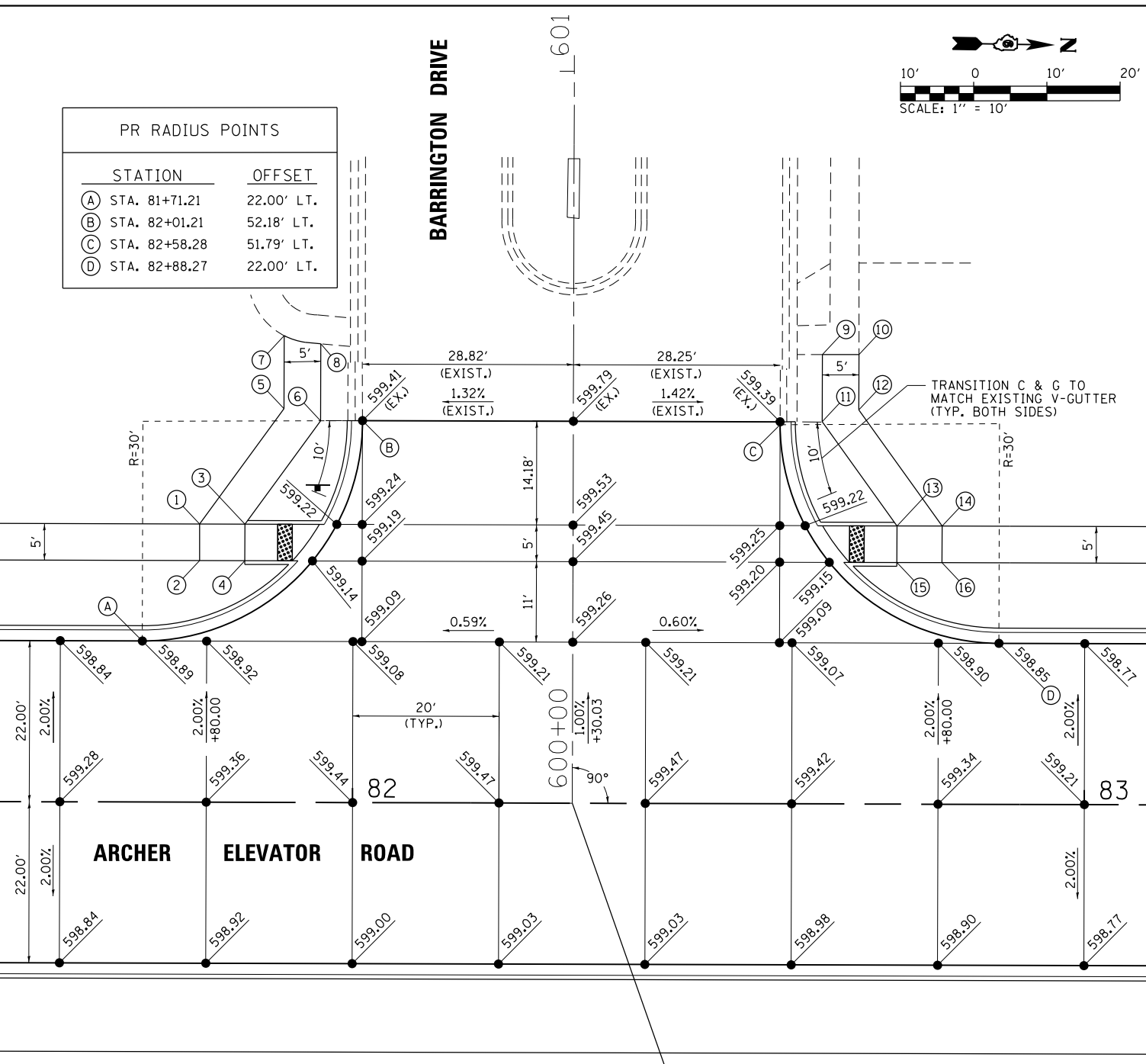
PR RADIUS POINTS	
STATION	OFFSET
(E) STA. 85+65.14	22.00' LT.
(F) STA. 85+90.13	46.28' LT.
(G) STA. 86+24.51	46.49' LT.
(H) STA. 86+49.50	22.00' LT.



PR RADIUS POINTS	
STATION	OFFSET
(A) STA. 85+64.53	22.00' RT.
(B) STA. 85+89.53	46.74' RT.
(C) STA. 86+26.43	47.46' RT.
(D) STA. 86+51.42	22.00' RT.

PR SIDEWALK POINTS		
STATION	OFFSET	ELEV.
(1) STA. 85+67.65	38.00' LT.	595.40
(2) STA. 85+67.65	33.00' LT.	595.33
(3) STA. 85+71.51	38.27' LT.	594.66
(4) STA. 85+71.44	33.27' LT.	594.60
(5) STA. 85+75.47	38.22' LT.	594.61
(6) STA. 85+75.41	33.23' LT.	594.54
(7) STA. 85+71.72	43.40' LT.	595.06 (EX.)
(8) STA. 85+75.68	43.22' LT.	594.92 (EX.)
(9) STA. 86+41.84	48.07' LT.	594.97 (EX.)
(10) STA. 86+45.78	47.00' LT.	595.05 (EX.)
(11) STA. 86+41.65	37.98' LT.	594.36
(12) STA. 86+41.67	32.98' LT.	594.28

PR SIDEWALK POINTS		
STATION	OFFSET	ELEV.
(13) STA. 86+45.63	38.00' LT.	544.42
(14) STA. 86+45.66	33.00' LT.	544.34
(15) STA. 85+50.00	34.08' RT.	595.72
(16) STA. 85+50.00	39.08' RT.	595.79
(17) STA. 85+63.46	34.08' RT.	594.77
(18) STA. 85+63.46	39.08' RT.	594.85
(19) STA. 85+68.46	34.08' RT.	594.69
(20) STA. 85+68.46	39.08' RT.	594.77
(21) STA. 86+38.80	33.54' RT.	592.83
(22) STA. 86+38.89	38.54' RT.	592.91



PR SIDEWALK POINTS		
STATION	OFFSET	ELEV.
(1) STA. 81+79.01	38.00' LT.	599.54
(2) STA. 81+79.01	33.00' LT.	599.46
(3) STA. 81+85.19	38.00' LT.	599.48
(4) STA. 81+85.19	33.00' LT.	599.40
(5) STA. 81+90.48	53.77' LT.	599.72
(6) STA. 81+95.48	52.15' LT.	599.64
(7) STA. 81+90.48	63.76' LT.	599.81 (EX.)
(8) STA. 81+95.48	62.66' LT.	599.66 (EX.)

PR SIDEWALK POINTS		
STATION	OFFSET	ELEV.
(9) STA. 82+64.03	61.37' LT.	599.79 (EX.)
(10) STA. 82+69.03	61.40' LT.	600.00 (EX.)
(11) STA. 82+64.03	52.22' LT.	599.77
(12) STA. 86+69.03	53.83' LT.	599.85
(13) STA. 82+74.30	38.00' LT.	599.40
(14) STA. 82+80.46	38.00' LT.	599.48
(15) STA. 82+74.30	33.00' LT.	599.34
(16) STA. 82+80.46	33.00' LT.	599.40

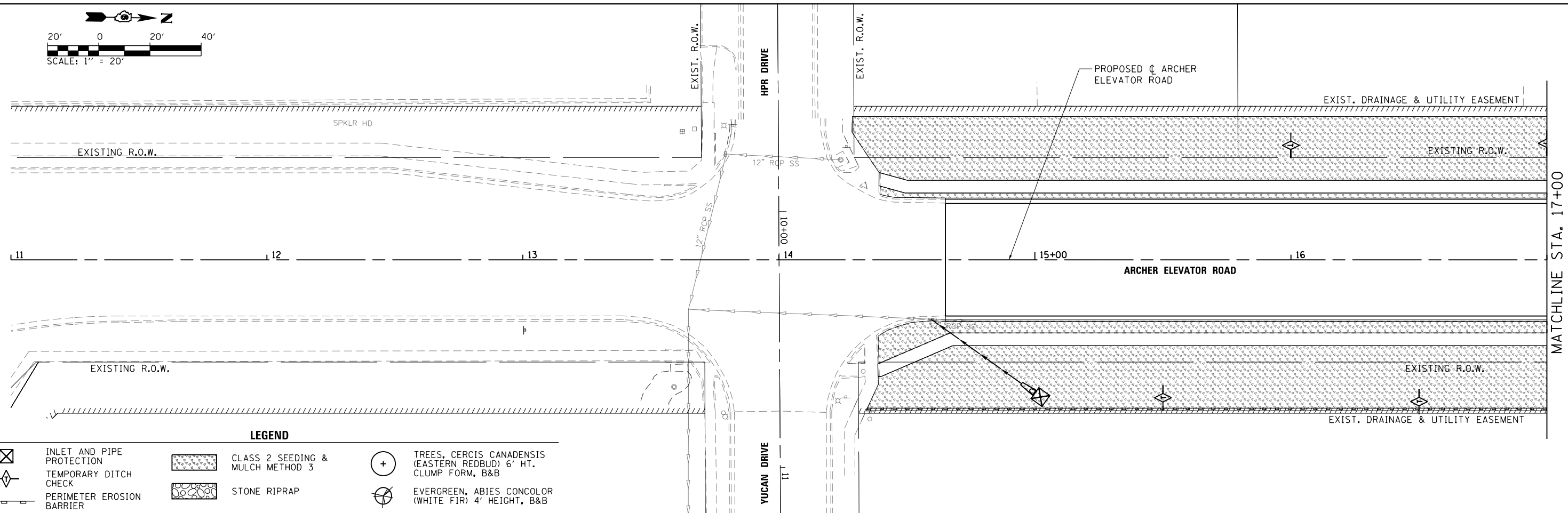
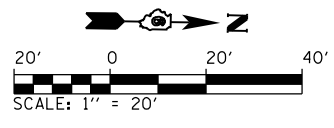
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		CHECKED - KLT	REVISED -
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**CITY OF SPRINGFIELD
DEPARTMENT OF PUBLIC WORKS**

**INTERSECTION DETAILS
ARCHER ELEVATOR ROAD**

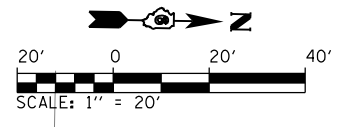
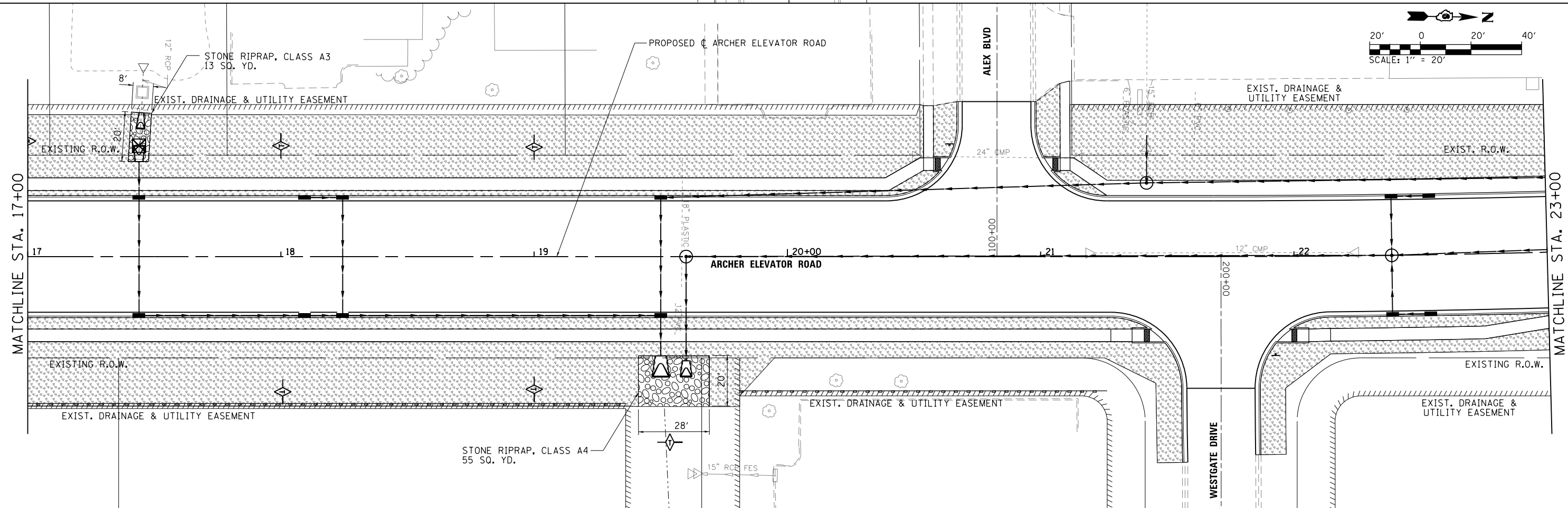
SCALE: 1" = 10' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8011	17-00431-02-PV	SANGAMON	79	49
CONTRACT NO. 93719				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



LEGEND

- | | | | | | |
|--|---------------------------|--|----------------------------------|--|--|
| | INLET AND PIPE PROTECTION | | CLASS 2 SEEDING & MULCH METHOD 3 | | TREES, CERCIS CANADENSIS (EASTERN REDBUD) 6' HT. CLUMP FORM, B&B |
| | TEMPORARY DITCH CHECK | | STONE RIPRAP | | EVERGREEN, ABIES CONCOLOR (WHITE FIR) 4' HEIGHT, B&B |
| | PERIMETER EROSION BARRIER | | | | |



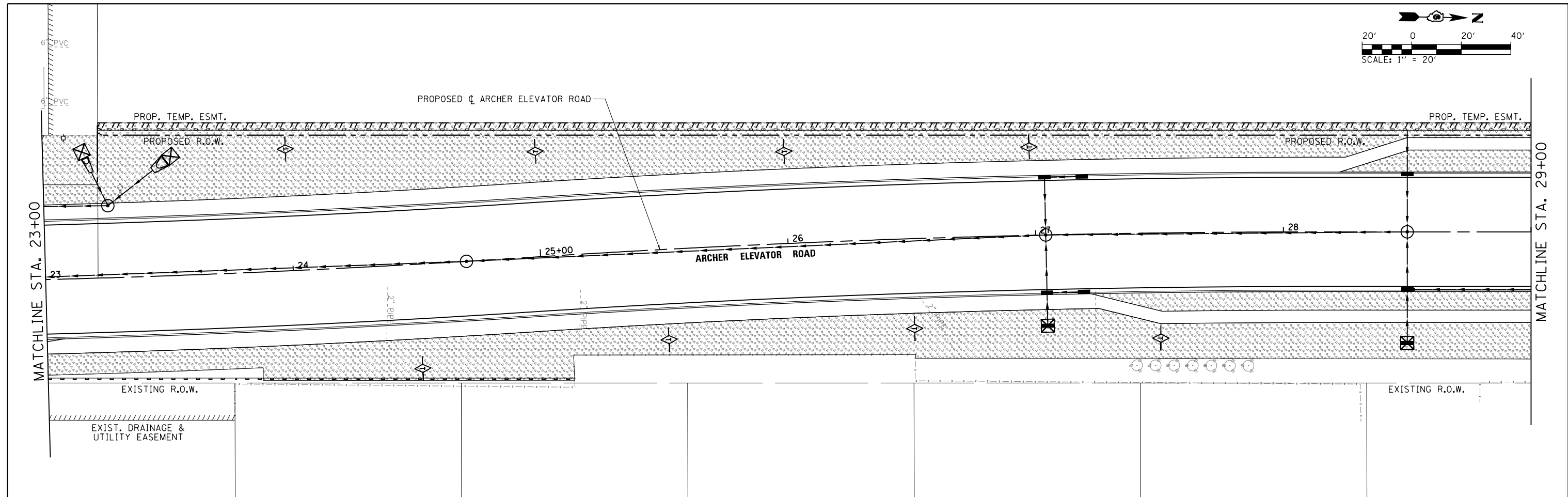
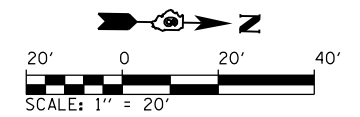
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Default		CHECKED - KLT	REVISED -
	PLOT DATE = 5/29/2019	DATE - 5/24/2019	REVISED -

**CITY OF SPRINGFIELD
DEPARTMENT OF PUBLIC WORKS**

**LANDSCAPING AND EROSION CONTROL PLAN
ARCHER ELEVATOR ROAD**

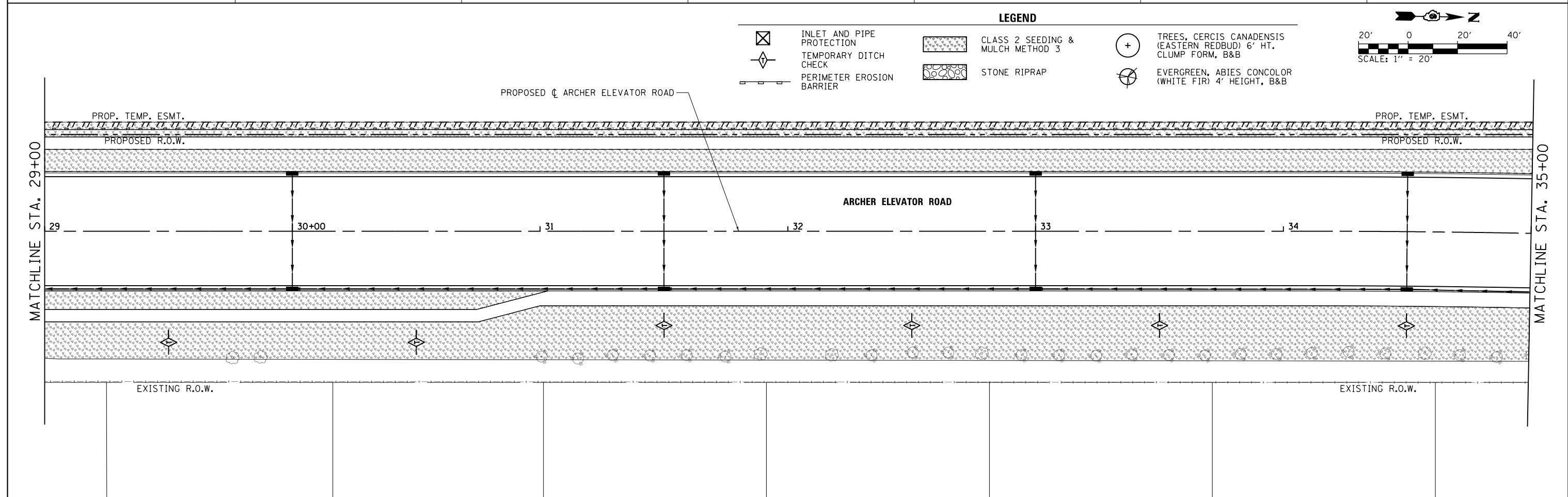
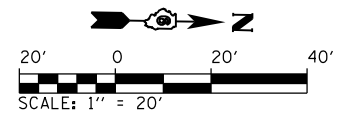
SCALE: 1"=20' SHEET OF SHEETS STA. 11+00 TO STA. 23+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8011	17-00431-02-PV	SANGAMON	79	50
CONTRACT NO. 93719				
ILLINOIS FED. AID PROJECT				










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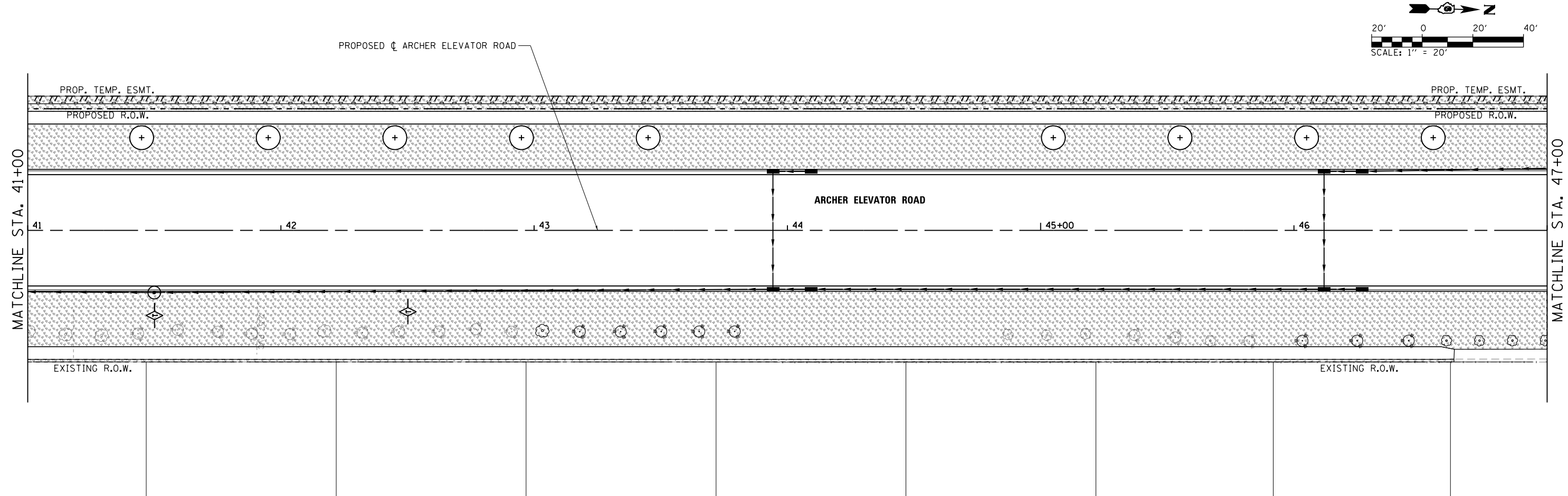
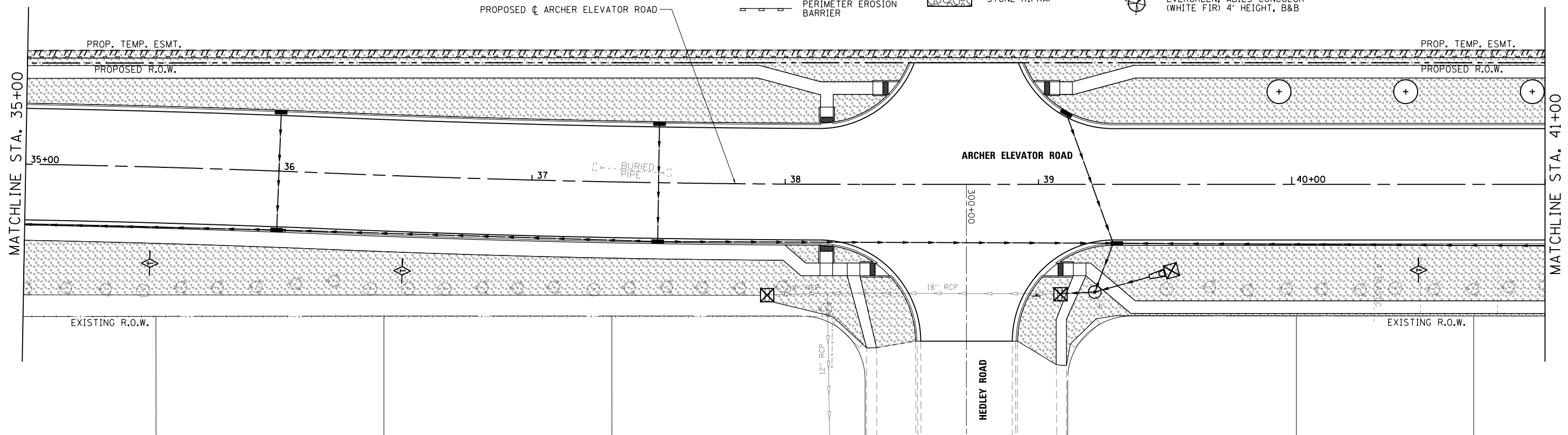
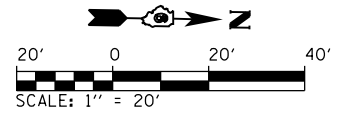
- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECK
- TREES, CERCIS CANADENSIS (EASTERN REDBUD) 6" HT. CLUMP FORM, B&B
- CLASS 2 SEEDING & MULCH METHOD 3
- PERIMETER EROSION BARRIER
- EVERGREEN, ABIES CONCOLOR (WHITE FIR) 4' HEIGHT, B&B



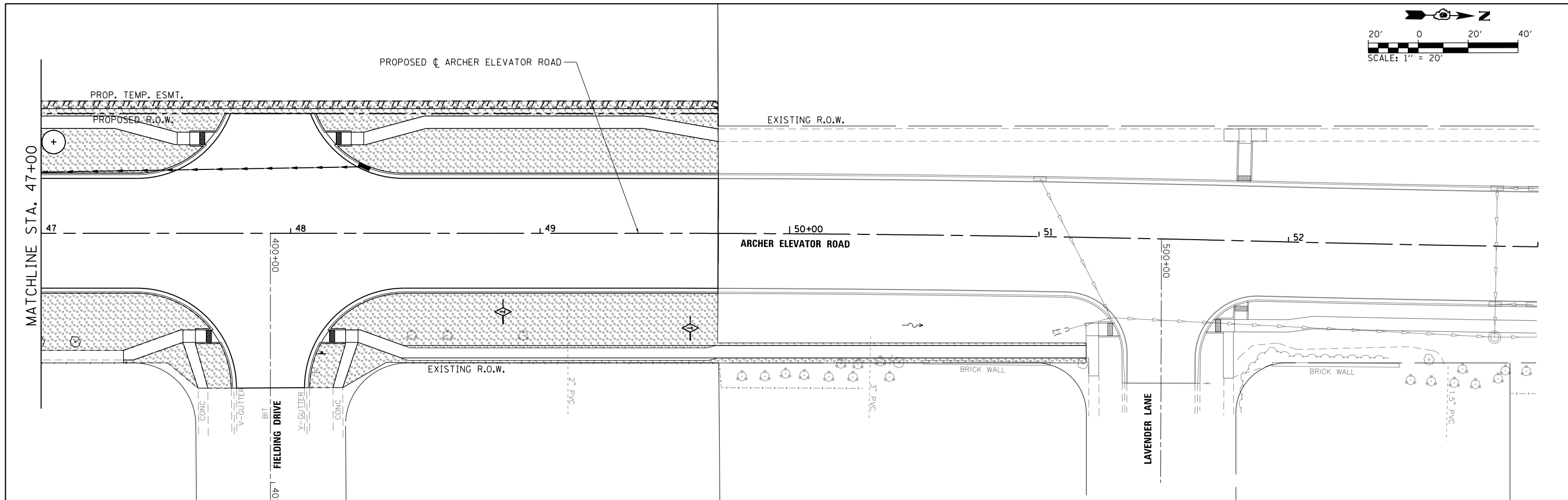
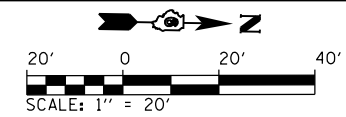
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	PLOT DATE = 5/29/2019	DATE - 5/24/2019	REVISED -			ILLINOIS FED. AID PROJECT					

SCALE: 1"=20' SHEET OF SHEETS STA. 23+00 TO STA. 35+00

- LEGEND**
-  INLET AND PIPE PROTECTION
 -  TEMPORARY DITCH CHECK
 -  PERIMETER EROSION BARRIER
 -  CLASS 2 SEEDING & MULCH METHOD 3
 -  STONE RIPRAP
 -  TREES, CERCIS CANADENSIS (EASTERN REDBUD) 6' HT. CLUMP FORM, B&B
 -  EVERGREEN, ABIES CONCOLOR (WHITE FIR) 4' HEIGHT, B&B



FILE NAME =	USER NAME = Brian Bond	DESIGNED - BMB	REVISED -	CITY OF SPRINGFIELD DEPARTMENT OF PUBLIC WORKS	LANDSCAPING AND EROSION CONTROL PLAN ARCHER ELEVATOR ROAD	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT SCALE = 40.0000' / in.	CHECKED - KLT	REVISED -			CONTRACT NO. 93719					
	PLOT DATE = 5/29/2019	DATE - 5/24/2019	REVISED -			ILLINOIS FED. AID PROJECT					



LEGEND

- | | | | | | |
|--|---------------------------|--|----------------------------------|--|--|
| | INLET AND PIPE PROTECTION | | CLASS 2 SEEDING & MULCH METHOD 3 | | TREES, CERCIS CANADENSIS (EASTERN REDBUD) 6' HT. CLUMP FORM, B&B |
| | TEMPORARY DITCH CHECK | | STONE RIPRAP | | EVERGREEN, ABIES CONCOLOR (WHITE FIR) 4' HEIGHT, B&B |
| | PERIMETER EROSION BARRIER | | | | |

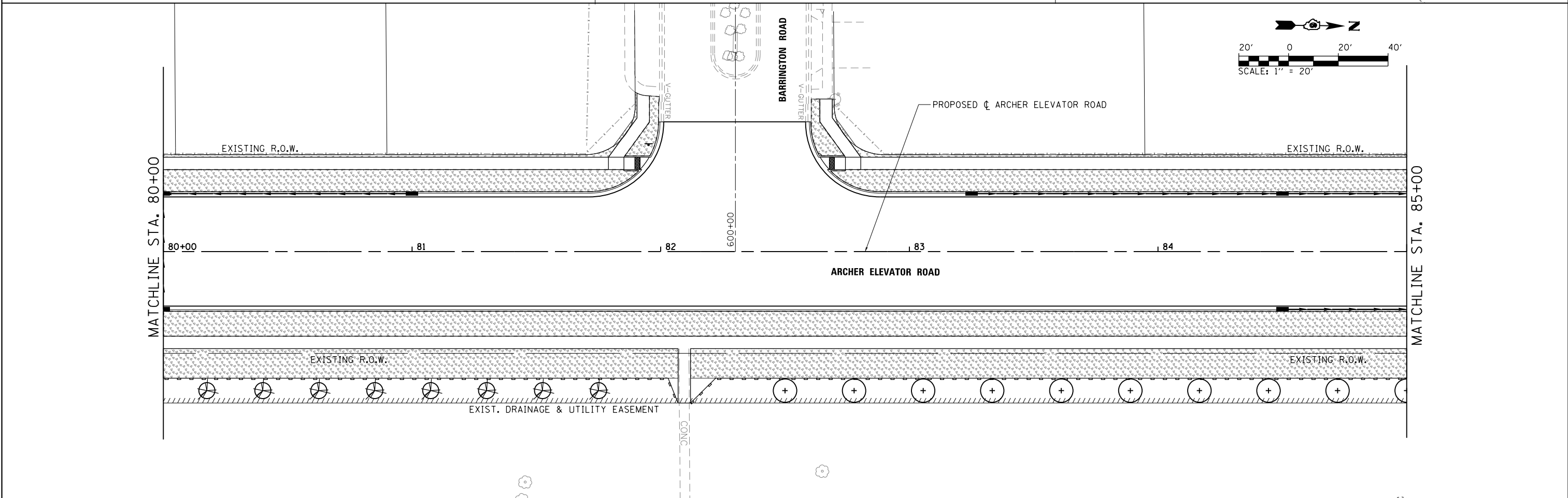
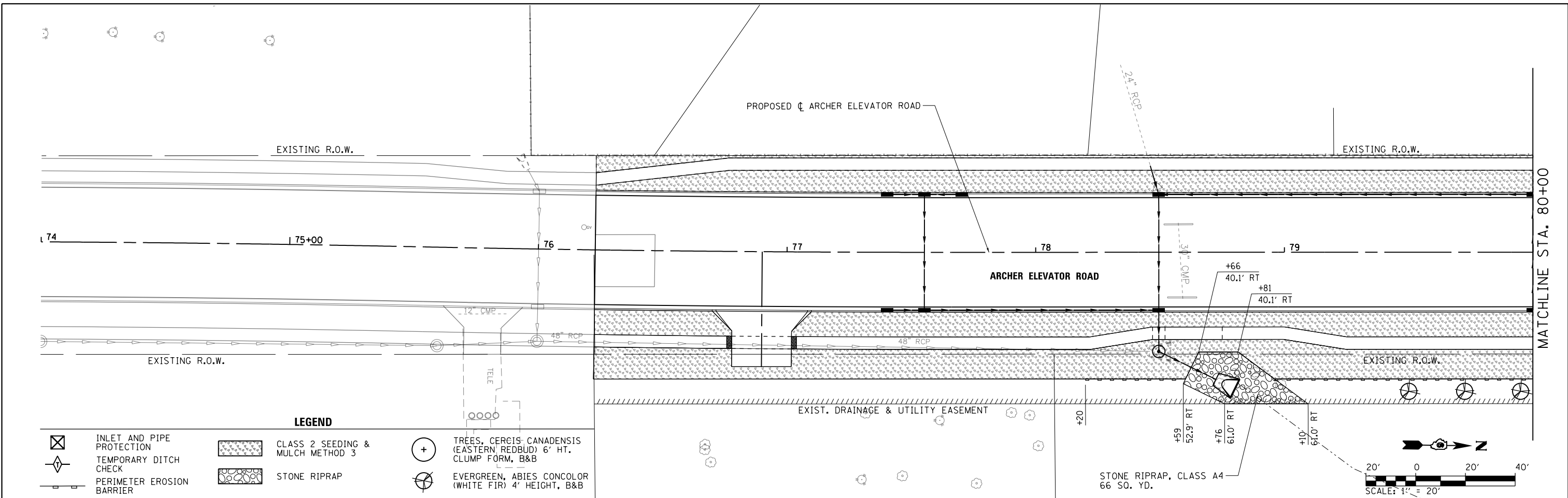
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Default	PLOT SCALE = 40.0000' / in.	CHECKED - KLT	REVISED -
	PLOT DATE = 5/29/2019	DATE - 5/24/2019	REVISED -

**CITY OF SPRINGFIELD
DEPARTMENT OF PUBLIC WORKS**




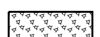



**LANDSCAPING AND EROSION CONTROL PLAN
ARCHER ELEVATOR ROAD**

SCALE: 1"=20' SHEET OF SHEETS STA. 47+00 TO STA. 59+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8011	17-00431-02-PV	SANGAMON	79	53
CONTRACT NO. 93719				
ILLINOIS FED. AID PROJECT				

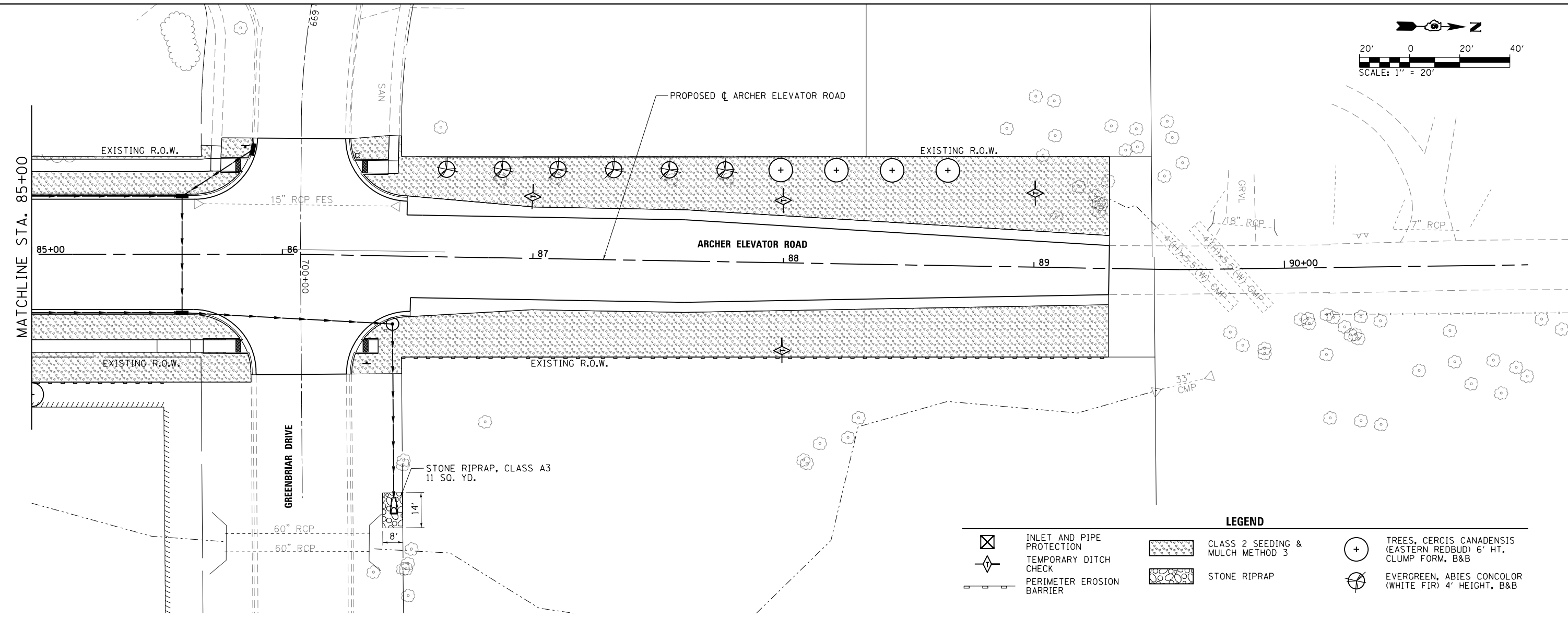
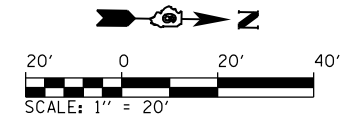


LEGEND

-  INLET AND PIPE PROTECTION
-  TEMPORARY DITCH CHECK
-  PERIMETER EROSION BARRIER
-  CLASS 2 SEEDING & MULCH METHOD 3
-  STONE RIPRAP
-  TREES, CERCIS CANADENSIS (EASTERN REDBUD) 6' HT. CLUMP FORM, B&B
-  EVERGREEN, ABIES CONCOLOR (WHITE FIR) 4' HEIGHT, B&B

FILE NAME =	USER NAME = Brian Bond	DESIGNED - BMB	REVISED -	CITY OF SPRINGFIELD DEPARTMENT OF PUBLIC WORKS	LANDSCAPING AND EROSION CONTROL PLAN ARCHER ELEVATOR ROAD	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	L:\Springfield\070250\Draw\Sheets\Cont...	DRAWN - GLD/RAH	REVISED -			8011	17-00431-02-PV	SANGAMON	79	54	
	PLOT SCALE = 40.0000' / in.	CHECKED - KLT	REVISED -			CONTRACT NO. 93719					
Default	PLOT DATE = 5/29/2019	DATE - 5/24/2019	REVISED -			ILLINOIS FED. AID PROJECT					

SCALE: 1"=20' SHEET OF SHEETS STA. 74+00 TO STA. 85+00



LEGEND

	INLET AND PIPE PROTECTION		CLASS 2 SEEDING & MULCH METHOD 3		TREES, CERCIS CANADENSIS (EASTERN REDBUD) 6' HT. CLUMP FORM, B&B
	TEMPORARY DITCH CHECK		STONE RIPRAP		EVERGREEN, ABIES CONCOLOR (WHITE FIR) 4' HEIGHT, B&B
	PERIMETER EROSION BARRIER				

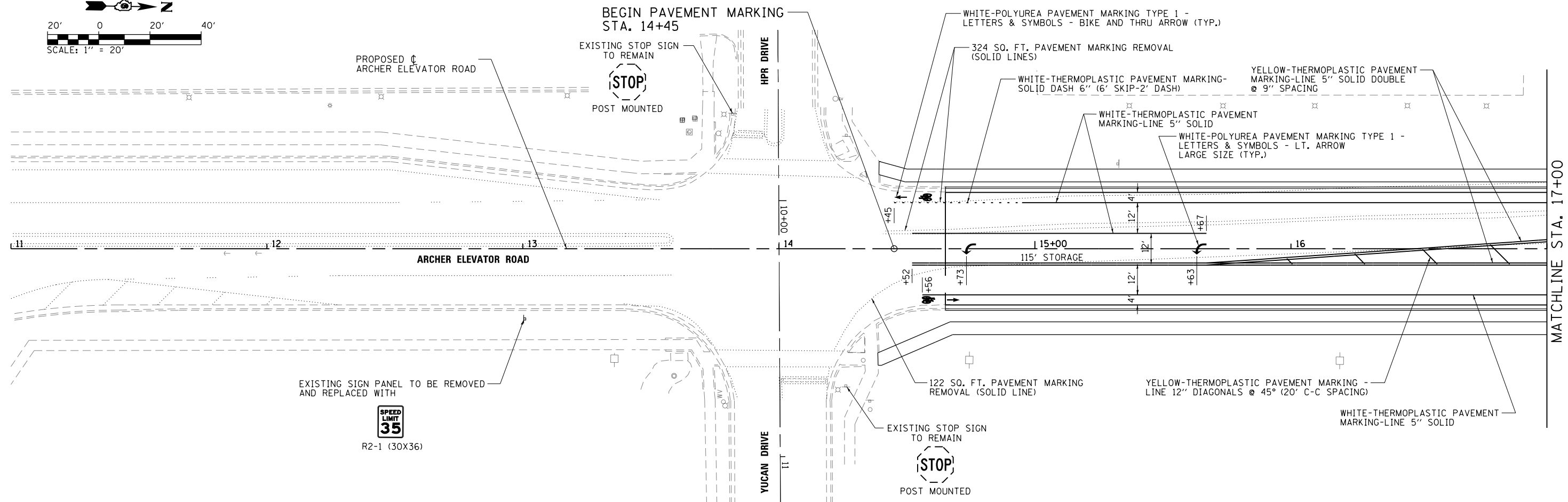
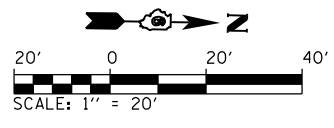
FILE NAME =	USER NAME = Brian Bond	DESIGNED - BMB	REVISED -
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	PLOT DATE = 5/29/2019	DATE - 5/24/2019	REVISED -

**CITY OF SPRINGFIELD
DEPARTMENT OF PUBLIC WORKS**

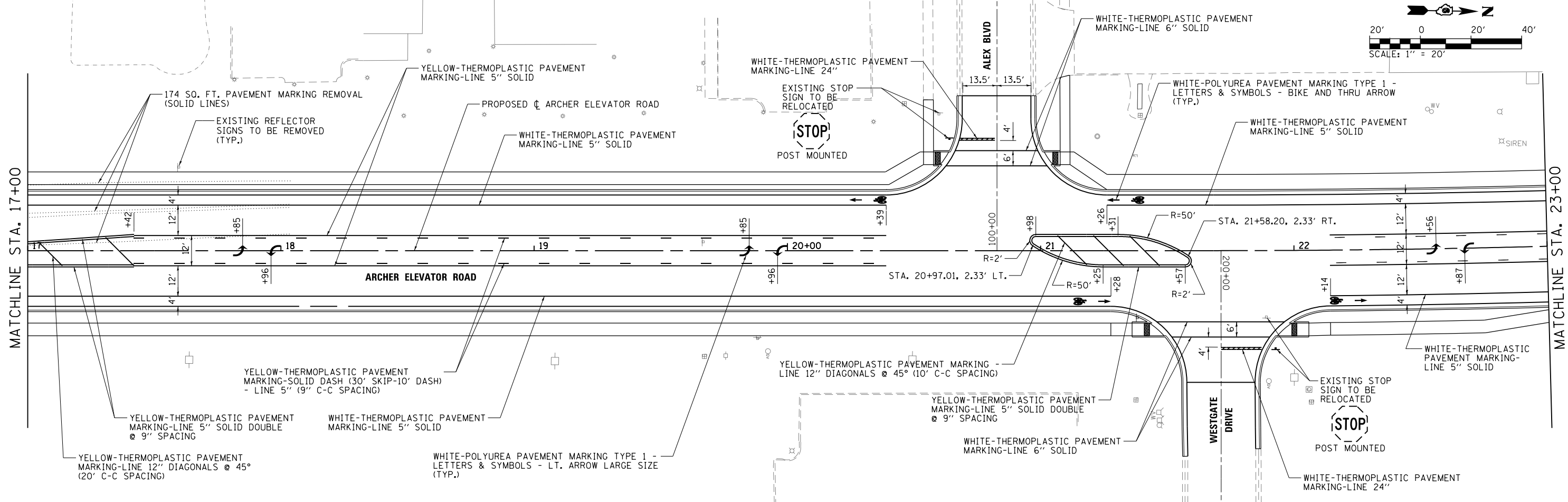
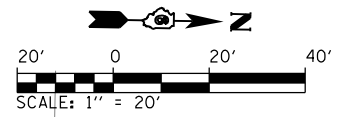
**LANDSCAPING AND EROSION CONTROL PLAN
ARCHER ELEVATOR ROAD**

SCALE: 1"=20' SHEET NO. OF SHEETS STA. 85+00 TO STA. 90+97.33

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8011	17-00431-02-PV	SANGAMON	79	55
CONTRACT NO. 93719				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



MATCHLINE STA. 17+00



MATCHLINE STA. 17+00

MATCHLINE STA. 23+00

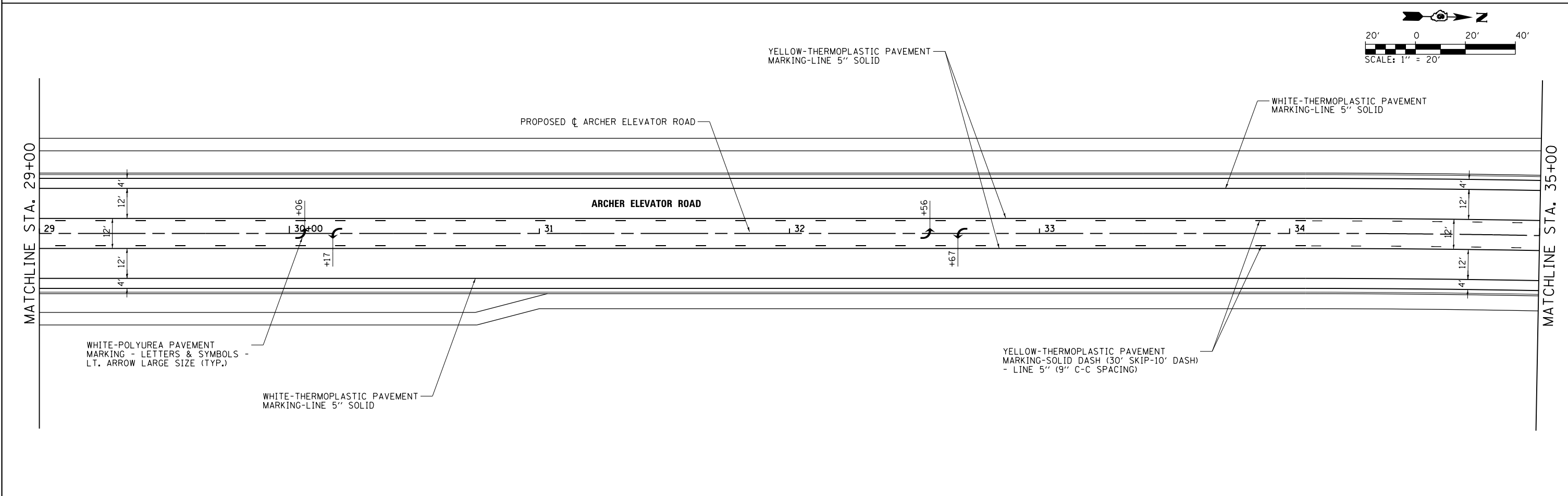
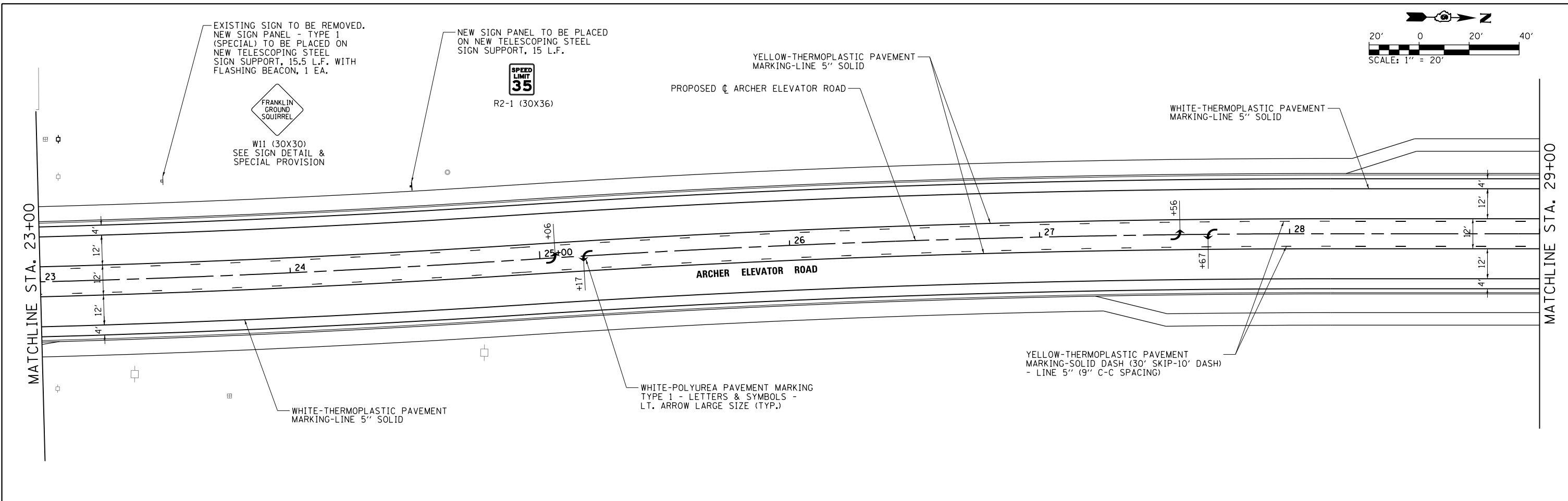
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	PLOT SCALE = 40.0000' / in.	CHECKED - KLT	REVISED -
Default	PLOT DATE = 5/29/2019	DATE - 5/24/2019	REVISED -

**CITY OF SPRINGFIELD
DEPARTMENT OF PUBLIC WORKS**

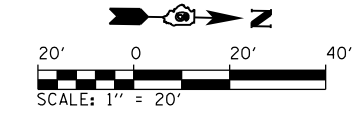
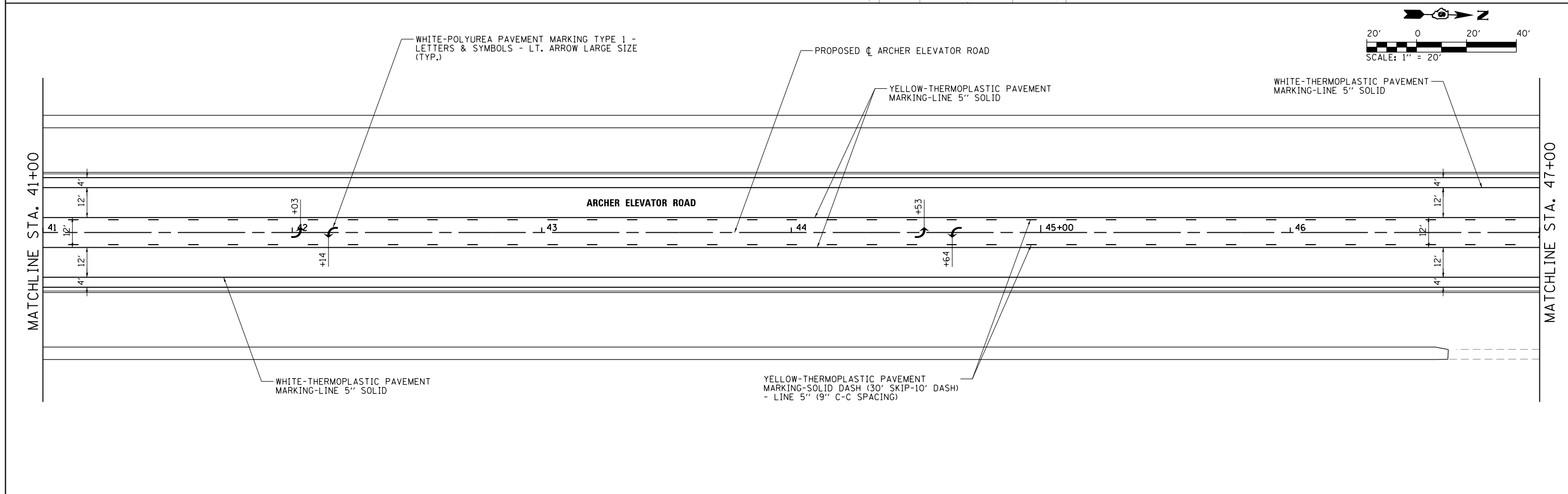
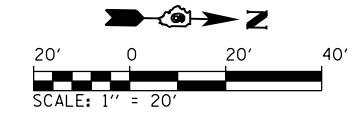
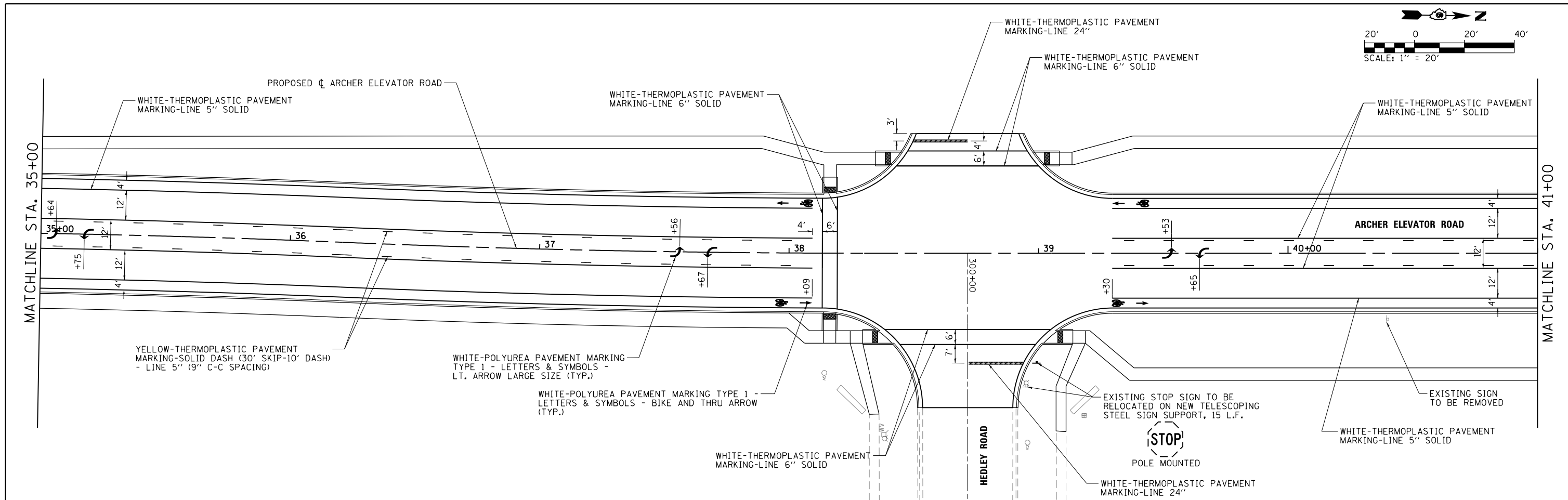
**PAVEMENT MARKING AND SIGNING PLAN
ARCHER ELEVATOR ROAD**

SCALE: 1"=20' SHEET OF SHEETS STA. 11+00 TO STA. 23+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8011	17-00431-02-PV	SANGAMON	79	56
CONTRACT NO. 93719				
ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = Brian Bond	DESIGNED - BMB	REVISED -	CITY OF SPRINGFIELD DEPARTMENT OF PUBLIC WORKS	PAVEMENT MARKING AND SIGNING PLAN ARCHER ELEVATOR ROAD	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
L:\Springfield\070250\Draw\Sheets\Cont...	et_2\2\2-06-Shr_PMT MRKG.202.dgn	DRAWN - GLD/RAH	REVISED -			8011	17-00431-02-PV	SANGAMON	79	57
Default	PLOT SCALE = 40.0000' / in.	CHECKED - KLT	REVISED -			CONTRACT NO. 93719				
	PLOT DATE = 5/31/2019	DATE - 5/24/2019	REVISED -			ILLINOIS FED. AID PROJECT				



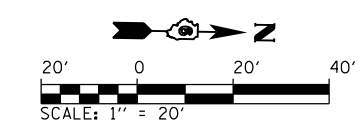
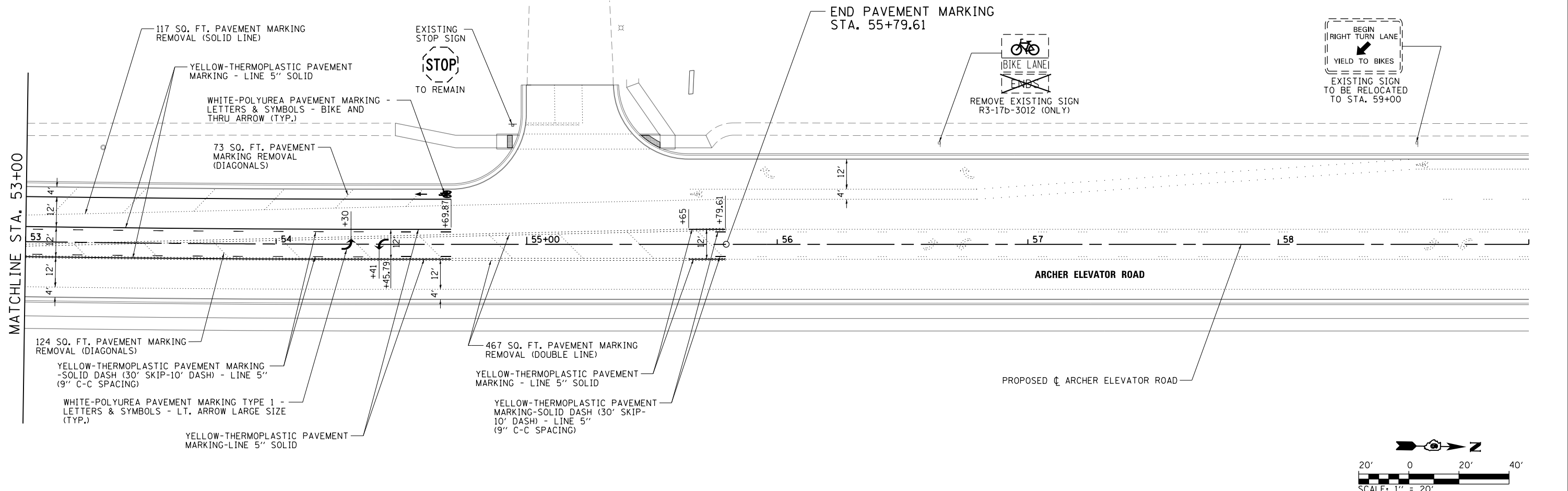
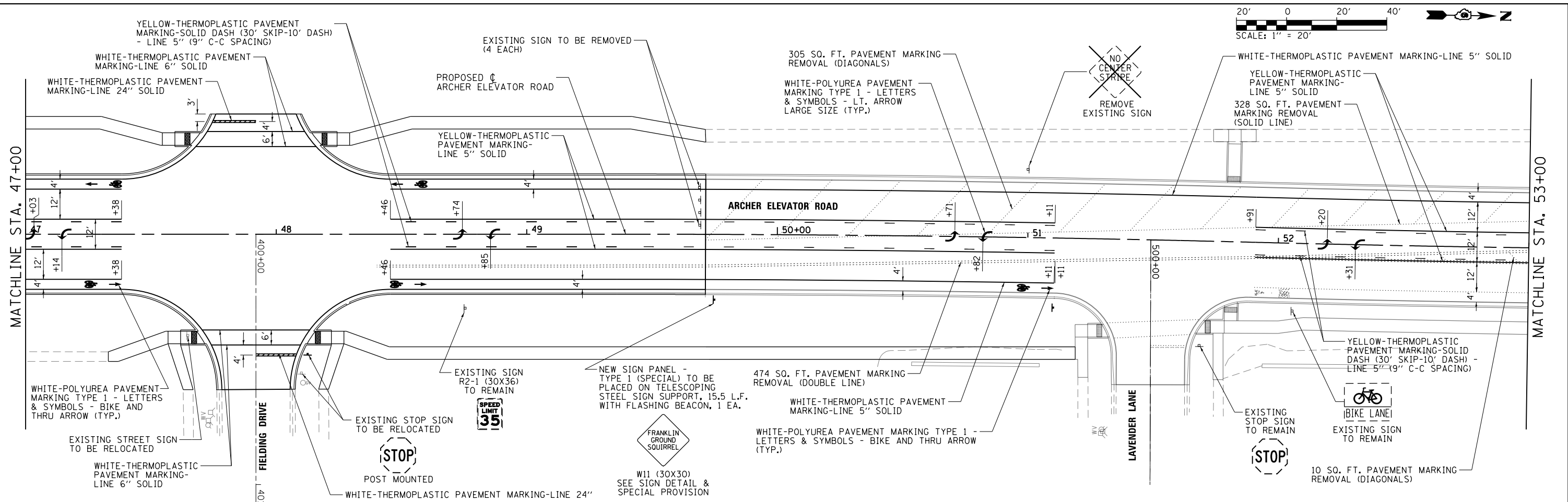
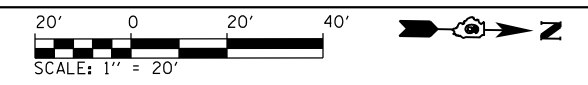
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L:\Springfield\070250\Draw\Sheets\Cont	et_2\C2-D6-Shr_PMT MRKG.203.dgn	DRAWN - GLD/RAH	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED - KLT	REVISED -
	PLOT DATE = 5/29/2019	DATE - 5/24/2019	REVISED -

**CITY OF SPRINGFIELD
DEPARTMENT OF PUBLIC WORKS**

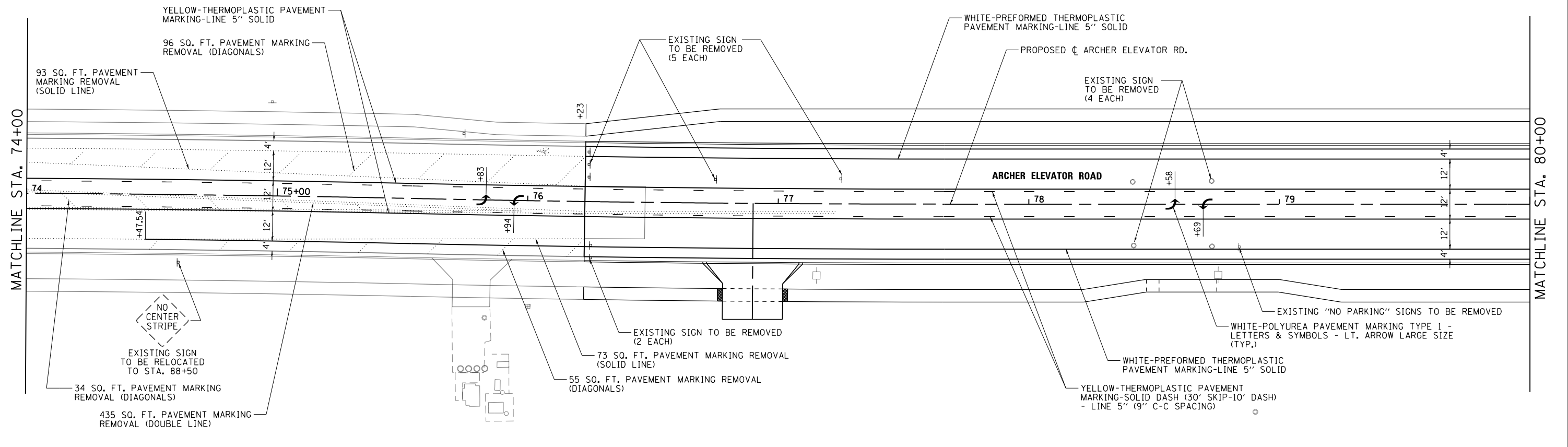
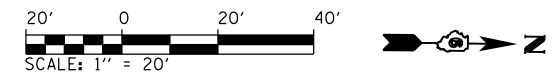
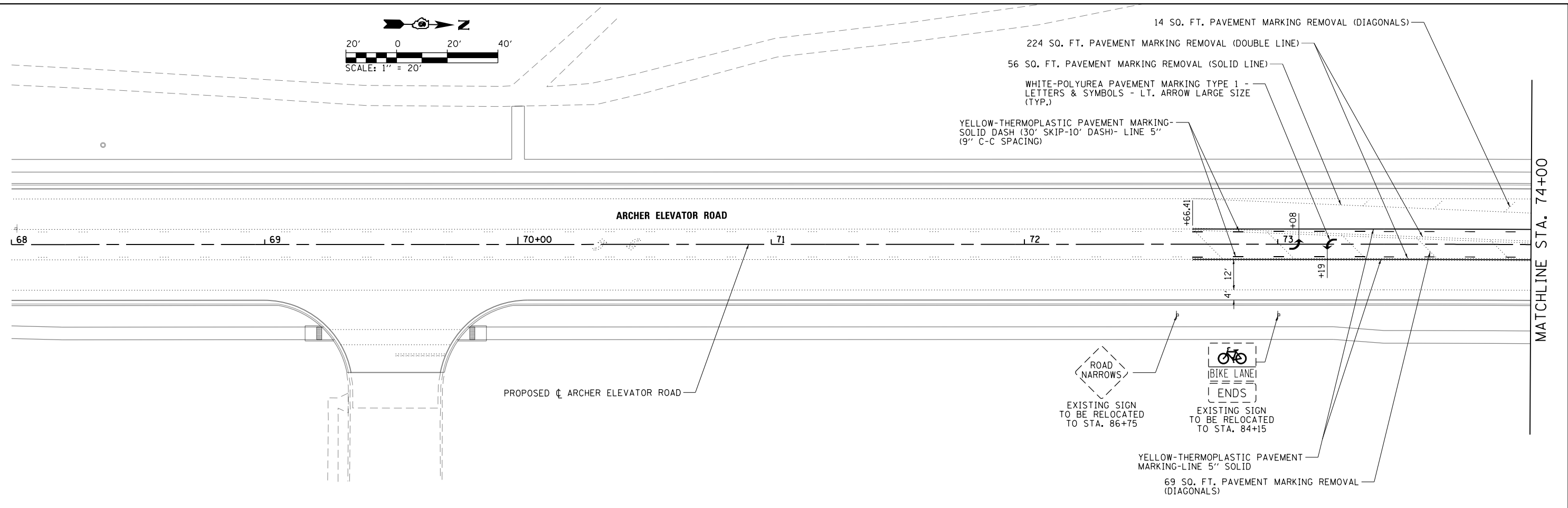
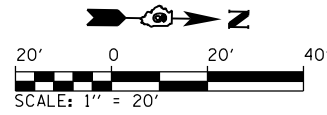
**PAVEMENT MARKING AND SIGNING PLAN
ARCHER ELEVATOR ROAD**

SCALE: 1"=20' SHEET OF SHEETS STA. 35+00 TO STA. 47+00

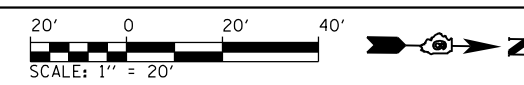
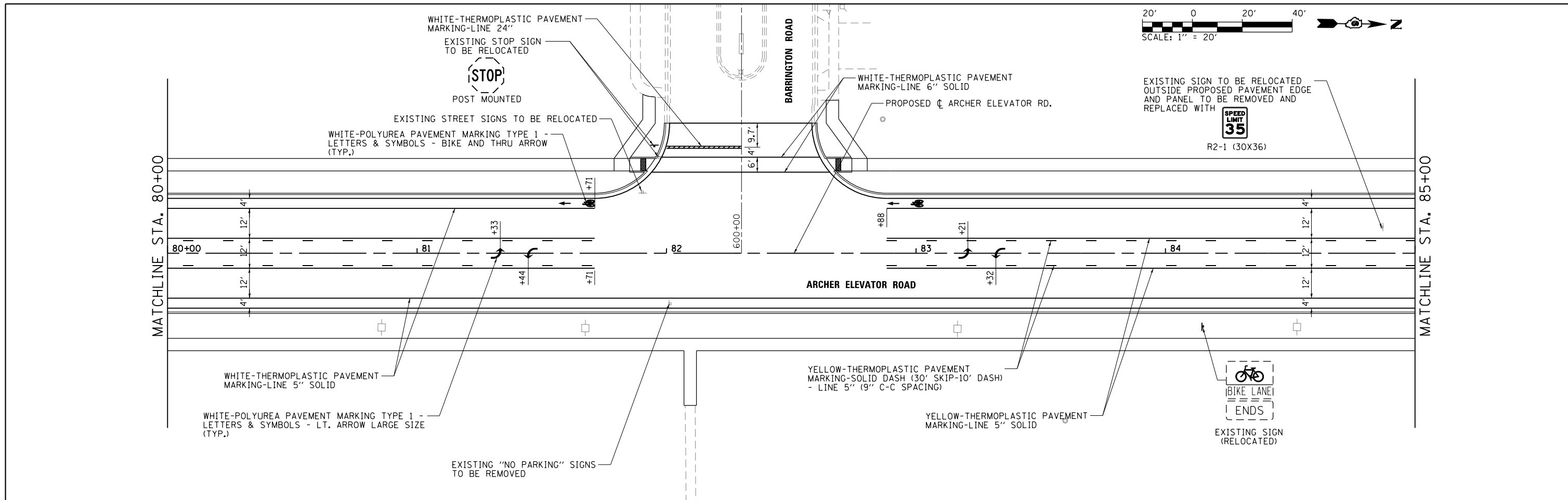
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8011	17-00431-02-PV	SANGAMON	79	58
			CONTRACT NO. 93719	
ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = Brian Bond	DESIGNED - BMB	REVISED -	CITY OF SPRINGFIELD DEPARTMENT OF PUBLIC WORKS	PAVEMENT MARKING AND SIGNING PLAN ARCHER ELEVATOR ROAD	F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
L:\Springfield\070250\Draw\Sheets\Contract_2\C2-06-Shr.PMVT MRKG.204.dgn		DRAWN - GLD/RAH	REVISED -			8011	17-00431-02-PV	SANGAMON	79	59
Default		CHECKED - KLT	REVISED -			CONTRACT NO. 93719				
	PLOT DATE = 5/31/2019	DATE - 5/24/2019	REVISED -			ILLINOIS FED. AID PROJECT				

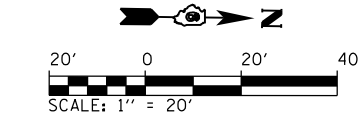
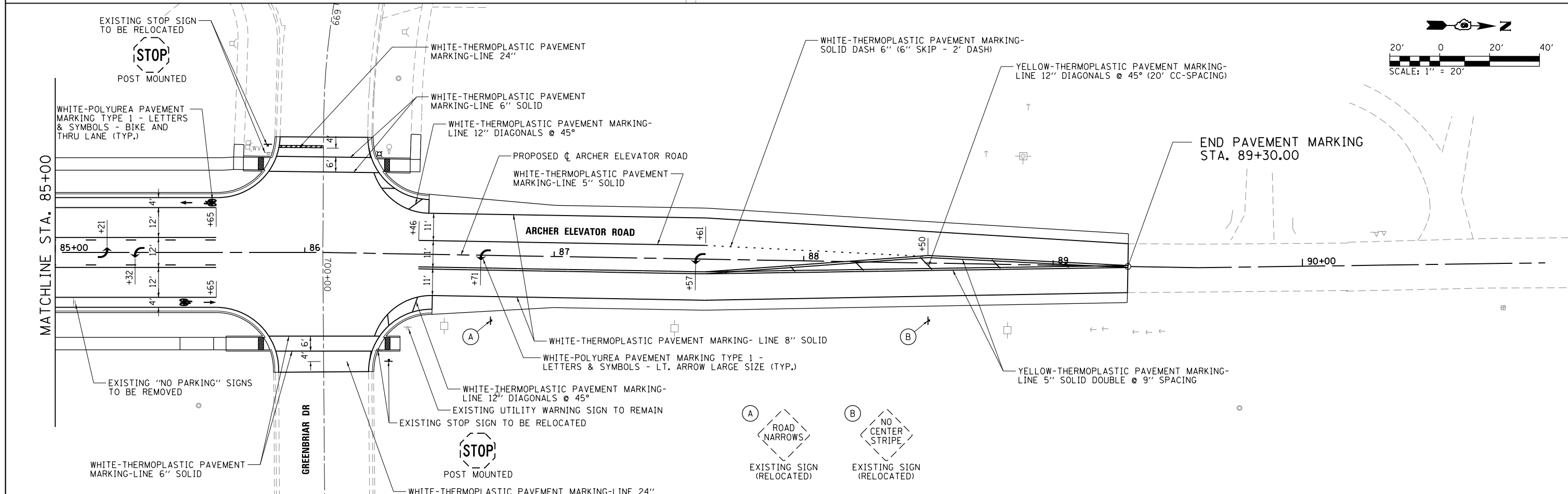


FILE NAME =	USER NAME = Brian Bond	DESIGNED - BMB	REVISED -	CITY OF SPRINGFIELD DEPARTMENT OF PUBLIC WORKS	PAVEMENT MARKING AND SIGNING PLAN ARCHER ELEVATOR ROAD	F.A.U. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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Default	PLOT DATE = 5/29/2019	CHECKED - KLT	REVISED -			CONTRACT NO. 93719					
		DATE - 5/24/2019	REVISED -			ILLINOIS FED. AID PROJECT					



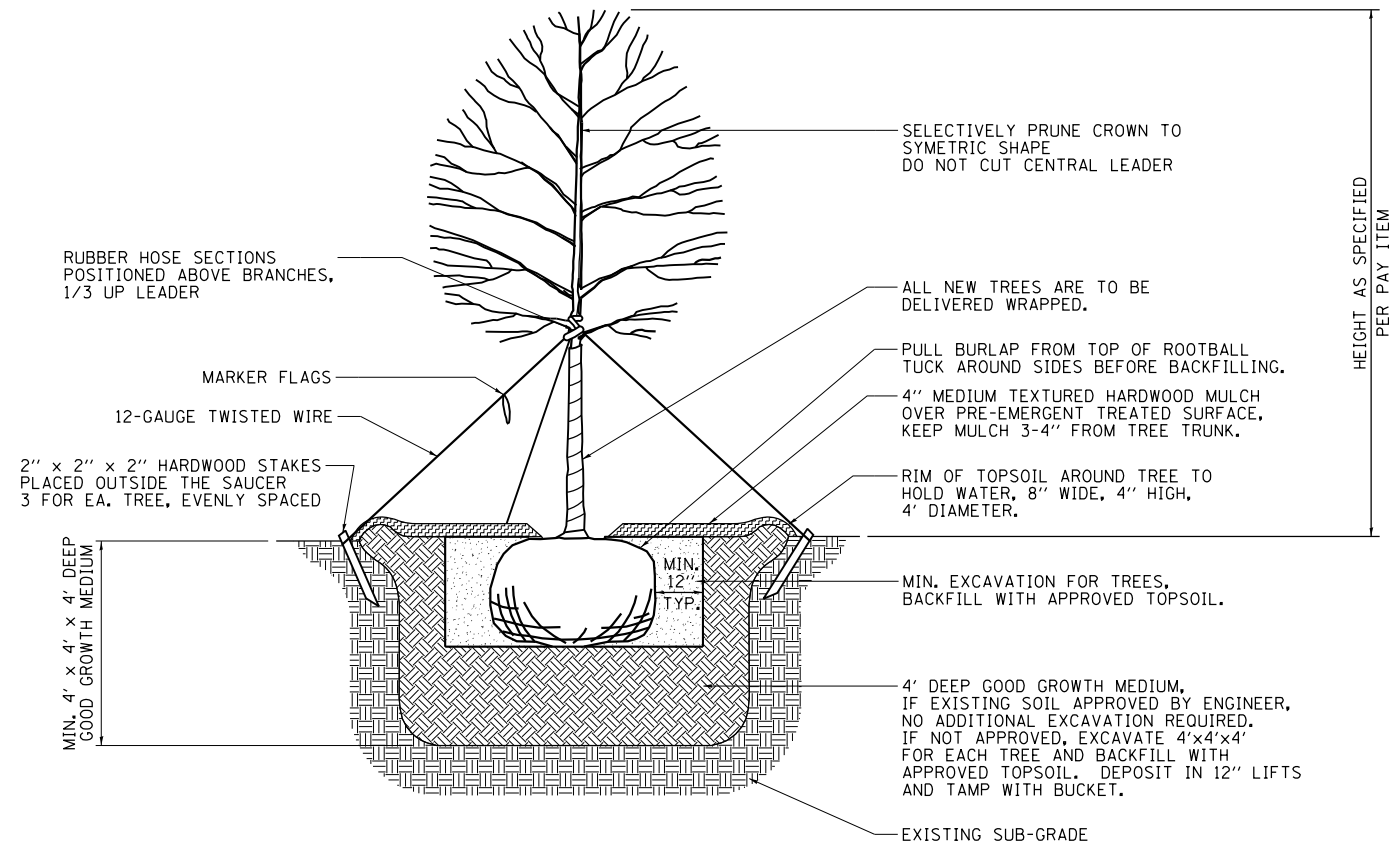
EXISTING SIGN TO BE RELOCATED OUTSIDE PROPOSED PAVEMENT EDGE AND PANEL TO BE REMOVED AND REPLACED WITH

R2-1 (30X36)



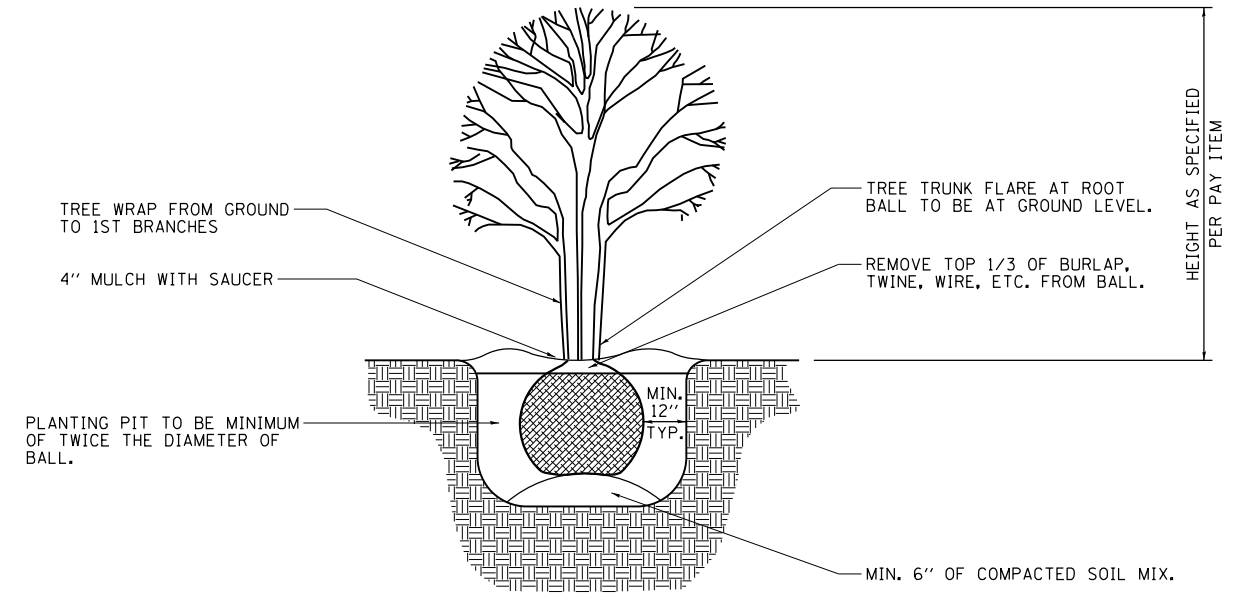
END PAVEMENT MARKING STA. 89+30.00

FILE NAME = L:\Springfield\070250\Draw\Sheets\Contract_2\C2-06-Shr.PMVT_MRKG.212.dgn	USER NAME = Brian Bond	DESIGNED - BMB	REVISED -	CITY OF SPRINGFIELD DEPARTMENT OF PUBLIC WORKS	PAVEMENT MARKING AND SIGNING PLAN ARCHER ELEVATOR ROAD	F.A.U. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.0000' / in.	CHECKED - KLT	REVISED -			8011	17-00431-02-PV	SANGAMON	79	61
Default	PLOT DATE = 5/29/2019	DATE - 5/24/2019	REVISED -	SCALE: 1"=20'	SHEET OF SHEETS	STA. 80+00 TO STA. 90+97.33	ILLINOIS FED. AID PROJECT			



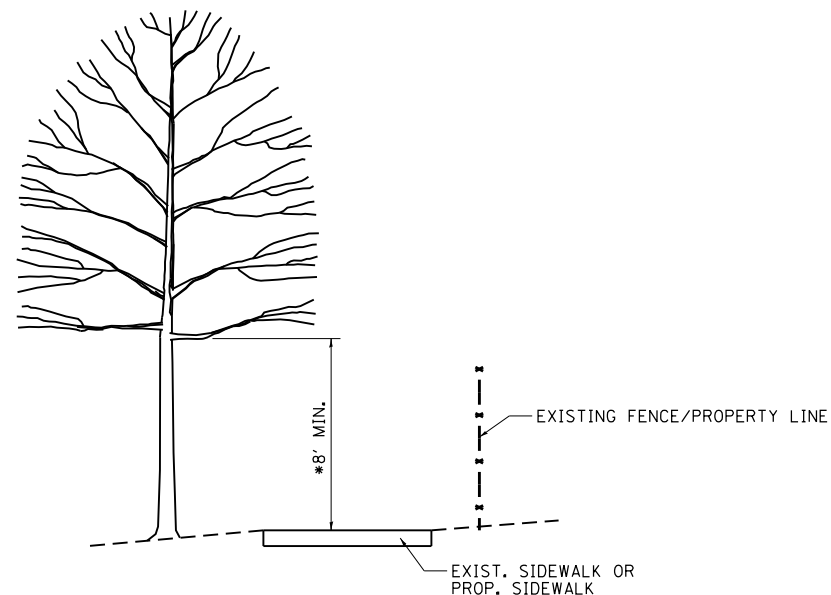
TREE PLANTING DETAIL (SINGLE TRUNK)

N.T.S.



BALLED AND BURLAPPED DECIDUOUS MULTI-TRUNK TREE DETAIL

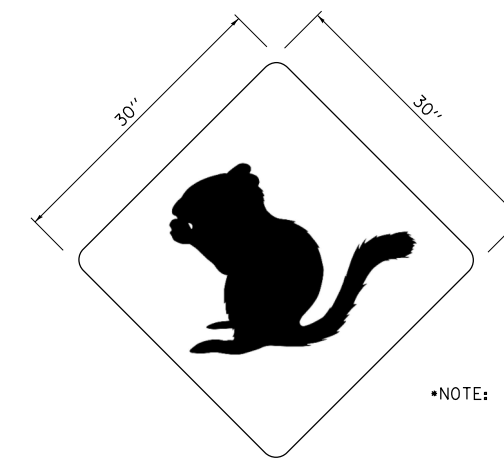
N.T.S.



* TREE PRUNING TO 8' VERTICAL FROM SIDEWALK

TREE PRUNING DETAIL

N.T.S.



*NOTE: CONTRACTOR TO SUBMIT SHOP DRAWING TO ENGINEER FOR APPROVAL PRIOR TO PURCHASING.

***W11 (FRANKLIN'S GROUND SQUIRREL) SIGN DETAIL**

N.T.S.

FILE NAME =	USER NAME = Brian Bond	DESIGNED - BMB	REVISED -
L:\Springfield\070250\Draw\Sheets\Contract_2\C2-06-Sht_Details-Landscaping.dgn		DRAWN - GLD/RAH	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED - KLT	REVISED -
	PLOT DATE = 5/29/2019	DATE - 5/24/2019	REVISED -

**CITY OF SPRINGFIELD
DEPARTMENT OF PUBLIC WORKS**

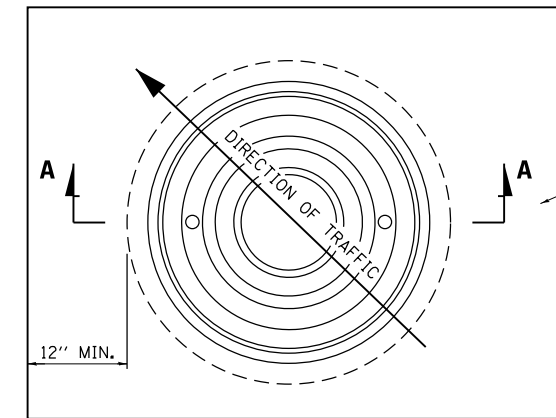
**LANDSCAPING AND SIGN DETAILS
F.A.U. 8011 (ARCHER ELEVATOR ROAD)**

SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8011	17-00431-02-PV	SANGAMON	79	62
CONTRACT NO. 93719				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SANITARY MANHOLE ADJUSTMENT DETAILS - FOR PAVEMENT

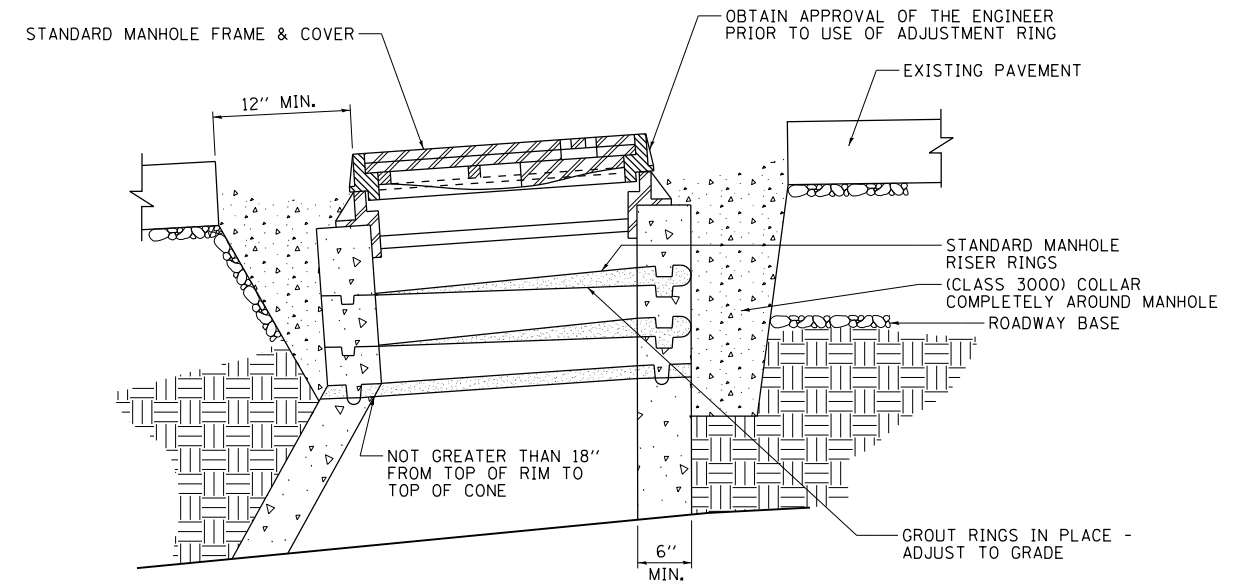
PLAN



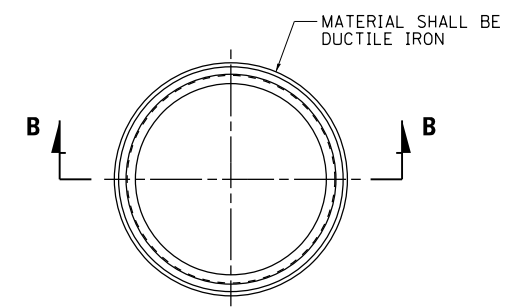
SAW CUT SQUARE AND REMOVE PAVEMENT 2-FOOT MINIMUM LARGER THAN MANHOLE FRAME DIMENSION. CONFIGURE THE SAWCUT SO THAT THE PATCH IS DIAMOND SHAPED IN THE DIRECTION OF TRAFFIC.

REPLACE WITH 2-INCH THICK PAVING AC. CLASS SHALL MATCH THE SURROUNDING PAVEMENT. (MAY BRING CONCRETE TO SURFACE IF APPROVED BY ENGINEER)

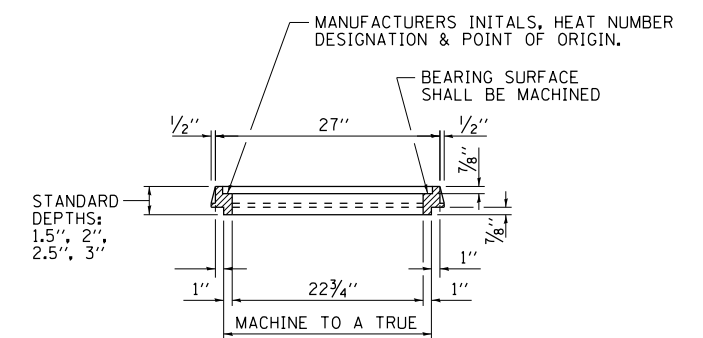
APPLY TACK COAT TO EDGES OF EXISTING PAVEMENT BEFORE INSTALLING PATCH. FINISH JOINT WITH ASPHALTIC SEAL AND SAND.



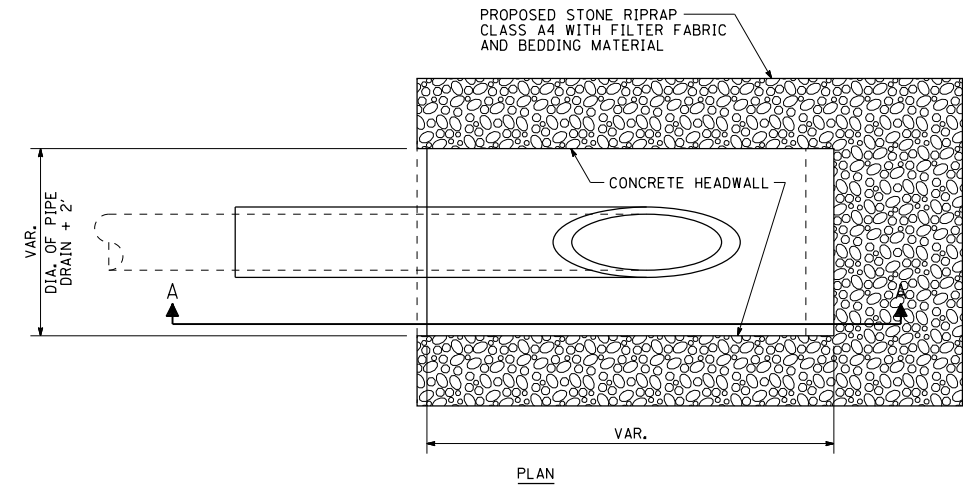
**SECTION A-A
TYPICAL MANHOLE GRADE ADJUSTMENT IN STREET**



**MANHOLE ADJUSTMENT RINGS
FOR RESURFACING**

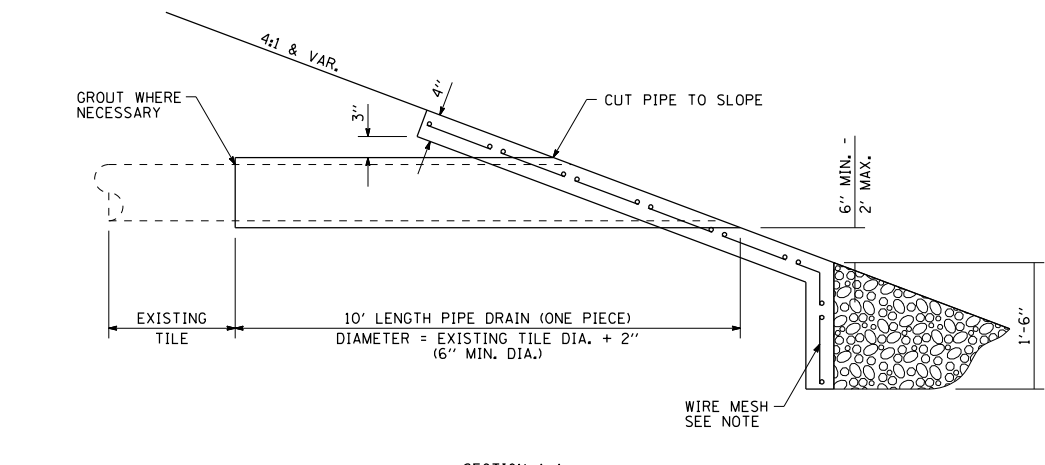


SECTION B-B



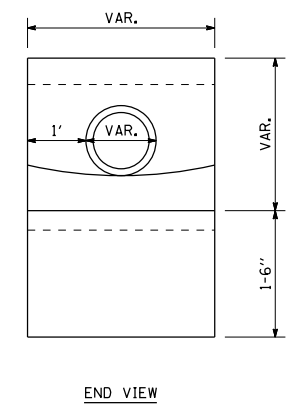
NOTES

1. ANY EXISTING FIELD TILE OUTLETTED INTO PROPOSED DETENTION PONDS OR DITCHES SHALL HAVE A HEADWALL BUILT IN ACCORDANCE WITH THIS DETAIL.
2. COST OF FURNISHING AND INSTALLING WIRE MESH SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR MISCELLANEOUS CONCRETE. WIRE MESH TO WEIGH NOT LESS THAN 58# PER 100 SQ. FT..
3. PIPE DRAIN WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR THE SIZE REQUIRED.



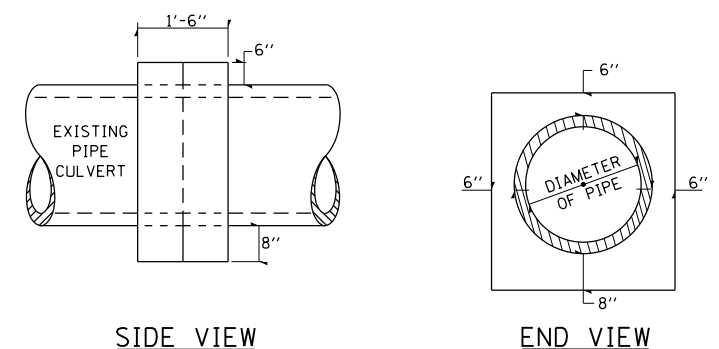
SECTION A-A

**FIELD TILE OUTLET DETAIL
NOT TO SCALE**



END VIEW

DETAILS OF CONCRETE COLLAR PIPE TO PIPE



SIDE VIEW

END VIEW

TABULATION

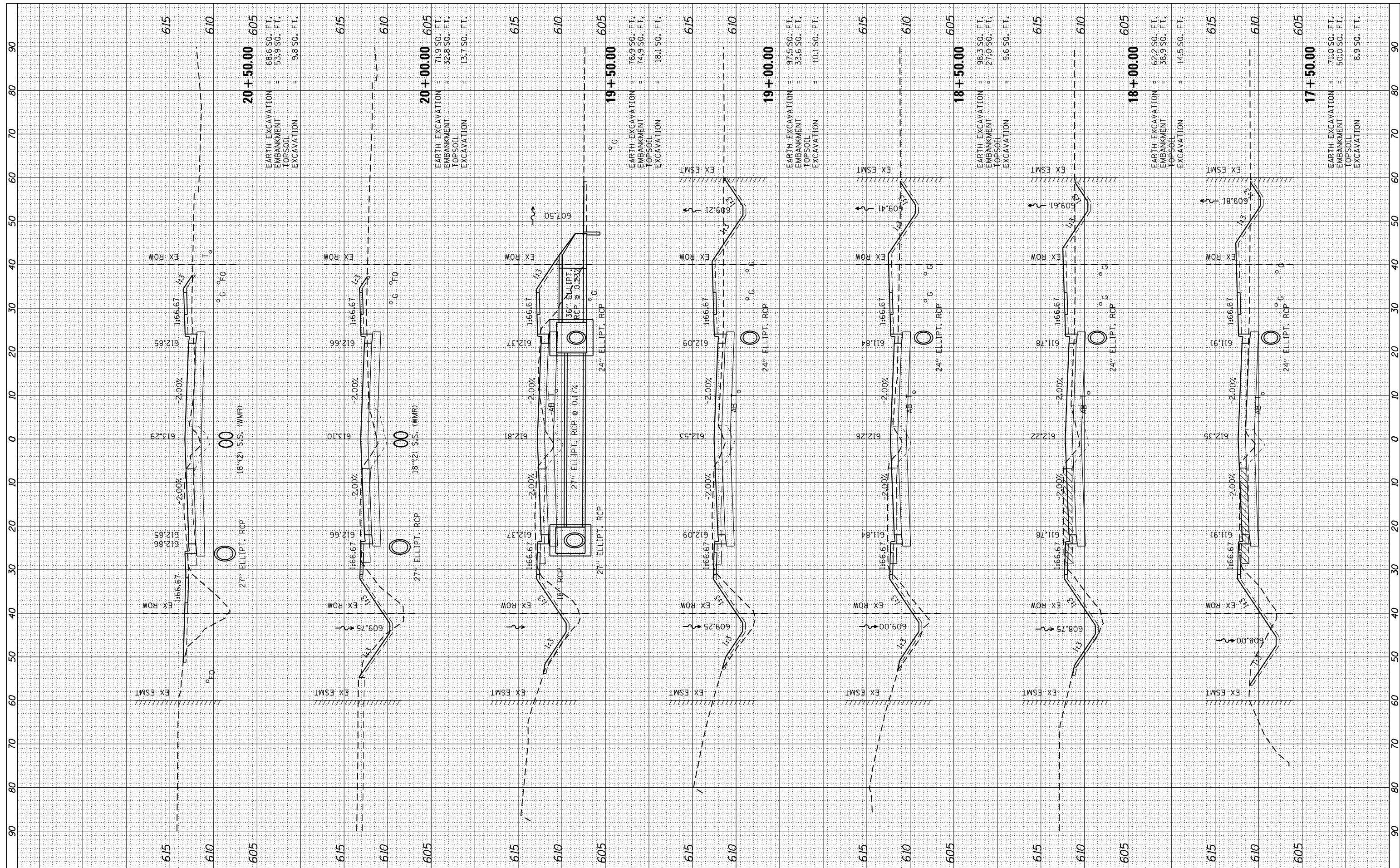
DIAMETER OF PIPE	CL SI CONC CU YDS EST
6"	0.13
8"	0.15
10"	0.18
12"	0.24
15"	0.29
18"	0.32
24"	0.44
30"	0.56
36"	0.66
42"	0.80
48"	0.93
54"	1.07
60"	1.22
72"	1.55

THE CONCRETE COLLAR SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR CONCRETE COLLAR, AS SHOWN ON THE PLANS, WHICH PRICE SHALL INCLUDE THE REMOVAL OF SUCH PORTIONS THE EXISTING HEADWALLS AS MAY BE REQUIRED.

CLASS SI CONCRETE SHALL BE USED THROUGHOUT.

DATE	BY
ORIGINAL 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



FILE NAME = L:\Springfield\0702501\Draw\Sheets\Contract_2\2-D6-Shr.XSC_Archer_South.dgn
 XSC.SOUTH.2

USER NAME = Brian Bond
 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 5/29/2019

DESIGNED - KLT
 DRAWN - BMB
 CHECKED - KLT
 DATE - 5/24/2019

REVISED -
 REVISED -
 REVISED -
 REVISED -

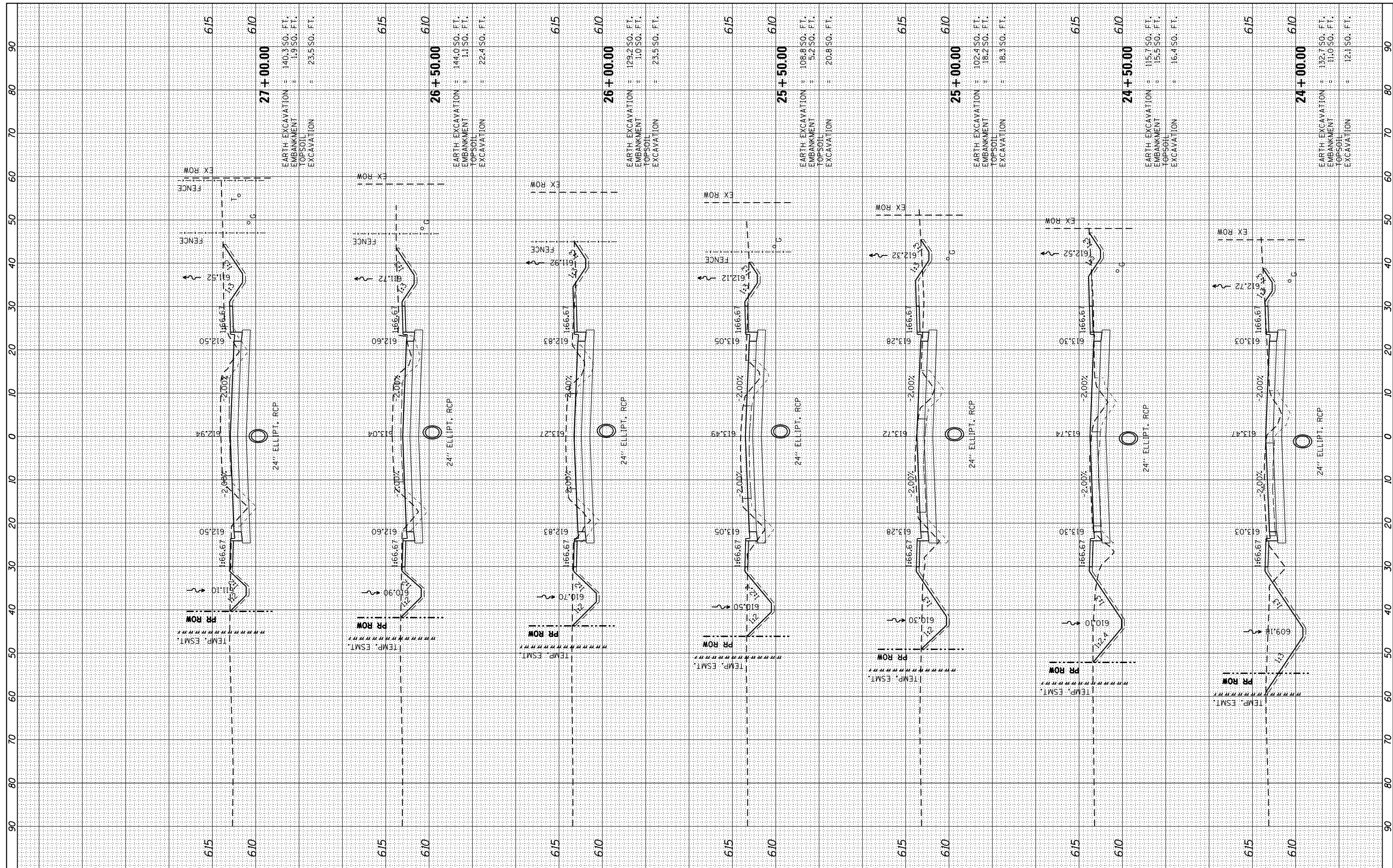
**CITY OF SPRINGFIELD
 DEPARTMENT OF PUBLIC WORKS**

**CROSS SECTIONS
 F.A.U. 8011 (ARCHER ELEVATOR ROAD)**
 SCALE: SHEET OF SHEETS STA. 17+50.00 TO STA. 20+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8011	15-00431-02-PV	SANGAMON	79	65
CONTRACT NO. 93719				
ILLINOIS FED. AID PROJECT				

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

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



27 + 00.00

EARTH EXCAVATION = 140.3 SQ. FT.
 EMBANKMENT = 1.9 SQ. FT.
 TOP SOIL EXCAVATION = 23.5 SQ. FT.

26 + 50.00

EARTH EXCAVATION = 144.0 SQ. FT.
 EMBANKMENT = 1.1 SQ. FT.
 TOP SOIL EXCAVATION = 22.4 SQ. FT.

26 + 00.00

EARTH EXCAVATION = 129.2 SQ. FT.
 EMBANKMENT = 1.0 SQ. FT.
 TOP SOIL EXCAVATION = 23.5 SQ. FT.

25 + 50.00

EARTH EXCAVATION = 108.8 SQ. FT.
 EMBANKMENT = 5.2 SQ. FT.
 TOP SOIL EXCAVATION = 20.8 SQ. FT.

25 + 00.00

EARTH EXCAVATION = 102.4 SQ. FT.
 EMBANKMENT = 18.2 SQ. FT.
 TOP SOIL EXCAVATION = 18.3 SQ. FT.

24 + 50.00

EARTH EXCAVATION = 115.7 SQ. FT.
 EMBANKMENT = 15.5 SQ. FT.
 TOP SOIL EXCAVATION = 16.4 SQ. FT.

24 + 00.00

EARTH EXCAVATION = 132.7 SQ. FT.
 EMBANKMENT = 11.0 SQ. FT.
 TOP SOIL EXCAVATION = 12.1 SQ. FT.

FILE NAME = L:\Springfield\0702501\Draw\Sheets\Contract.2\2-D6-Sht.XSC.Archer_South.dgn
 XSC.SOUTH.4

USER NAME = Brian Bond
 DRAWN - BMB
 CHECKED - KLT
 DATE - 5/24/2019

DESIGNED - KLT
 DRAWN - BMB
 CHECKED - KLT
 DATE - 5/24/2019

REVISED -
 REVISED -
 REVISED -
 REVISED -

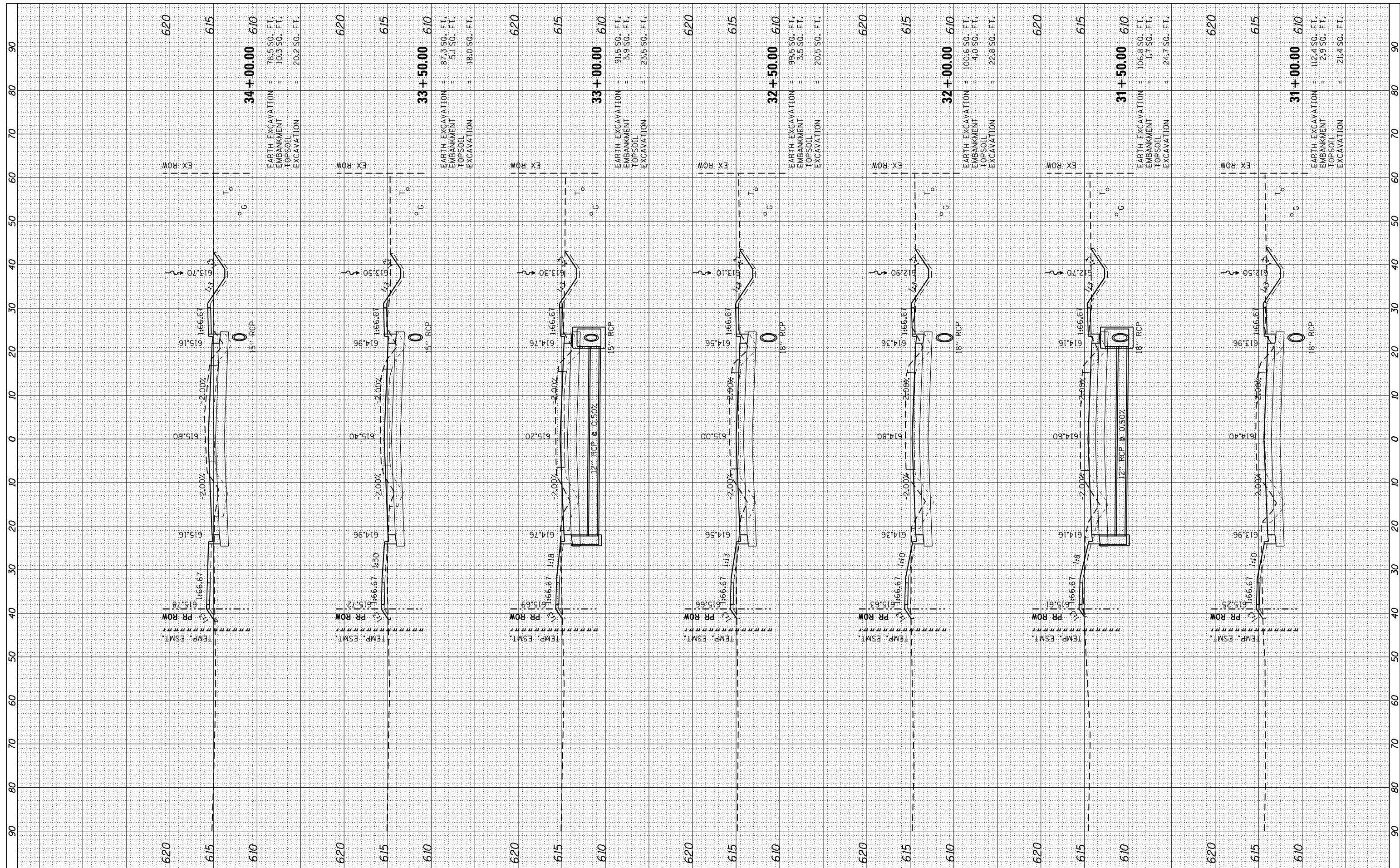
**CITY OF SPRINGFIELD
 DEPARTMENT OF PUBLIC WORKS**

**CROSS SECTIONS
 F.A.U. 8011 (ARCHER ELEVATOR ROAD)**
 SCALE: SHEET OF SHEETS STA. 24+00.00 TO STA. 27+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8011	15-00431-02-PV	SANGAMON	79	67
				CONTRACT NO. 93719
ILLINOIS FED. AID PROJECT				

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

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



FILE NAME = L:\Springfield\0702501\Draw\Sheets\Contract.2\2-D6-Sht.XSC.Archer_South.dgn
 XSC.SOUTH.6

USER NAME = Brian Bond
 DESIGNED - KLT
 DRAWN - BMB
 CHECKED - KLT
 DATE - 5/24/2019

REVISED -
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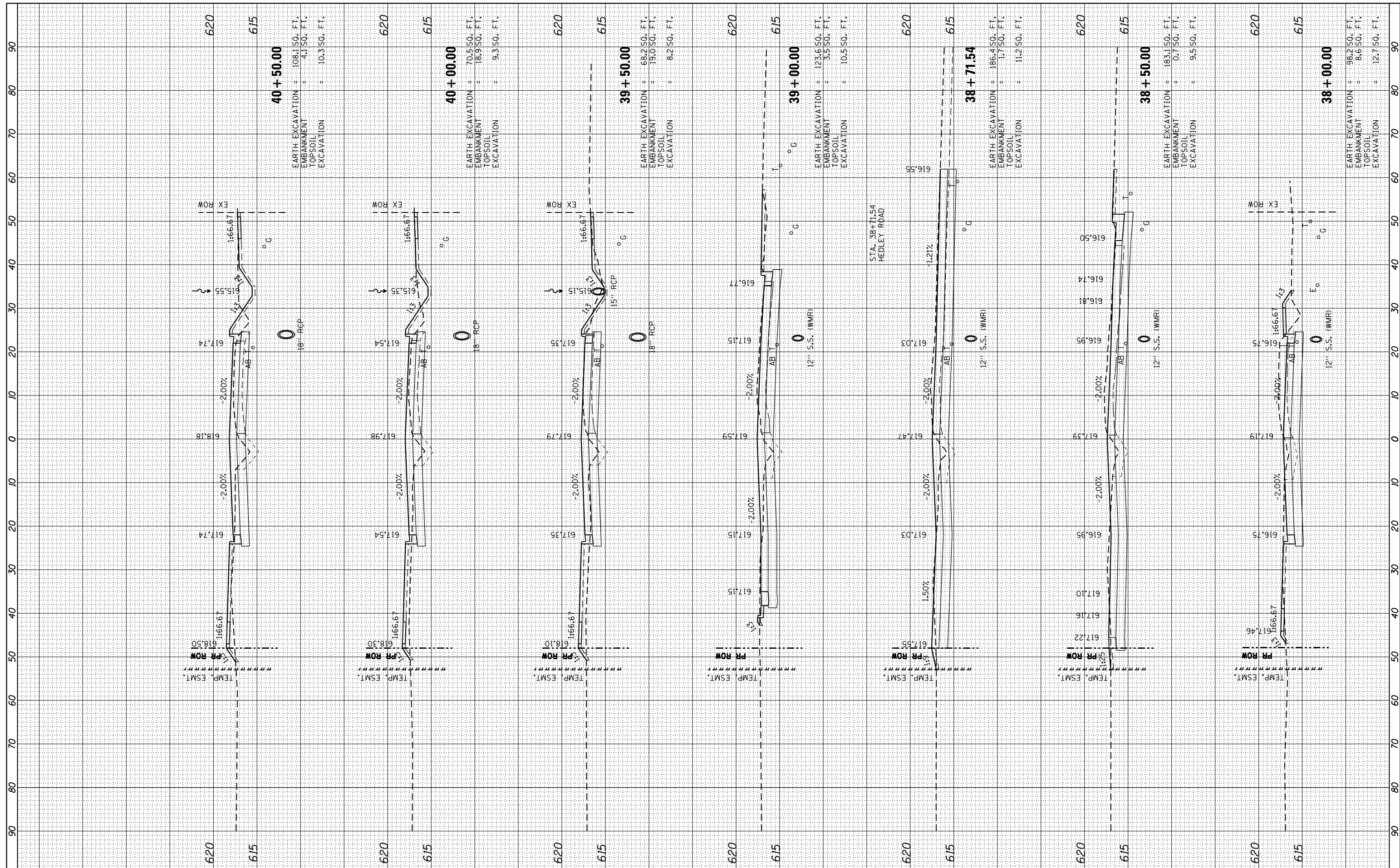
**CITY OF SPRINGFIELD
 DEPARTMENT OF PUBLIC WORKS**

**CROSS SECTIONS
 F.A.U. 8011 (ARCHER ELEVATOR ROAD)**
 SCALE: SHEET OF SHEETS STA. 31+00.00 TO STA. 34+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8011	15-00431-02-PV	SANGAMON	79	69
CONTRACT NO. 93719				
ILLINOIS FED. AID PROJECT				

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

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



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USER NAME = Brian Bond
 DESIGNED - KLT
 DRAWN - BMB
 CHECKED - KLT
 DATE - 5/24/2019

REVISIONS
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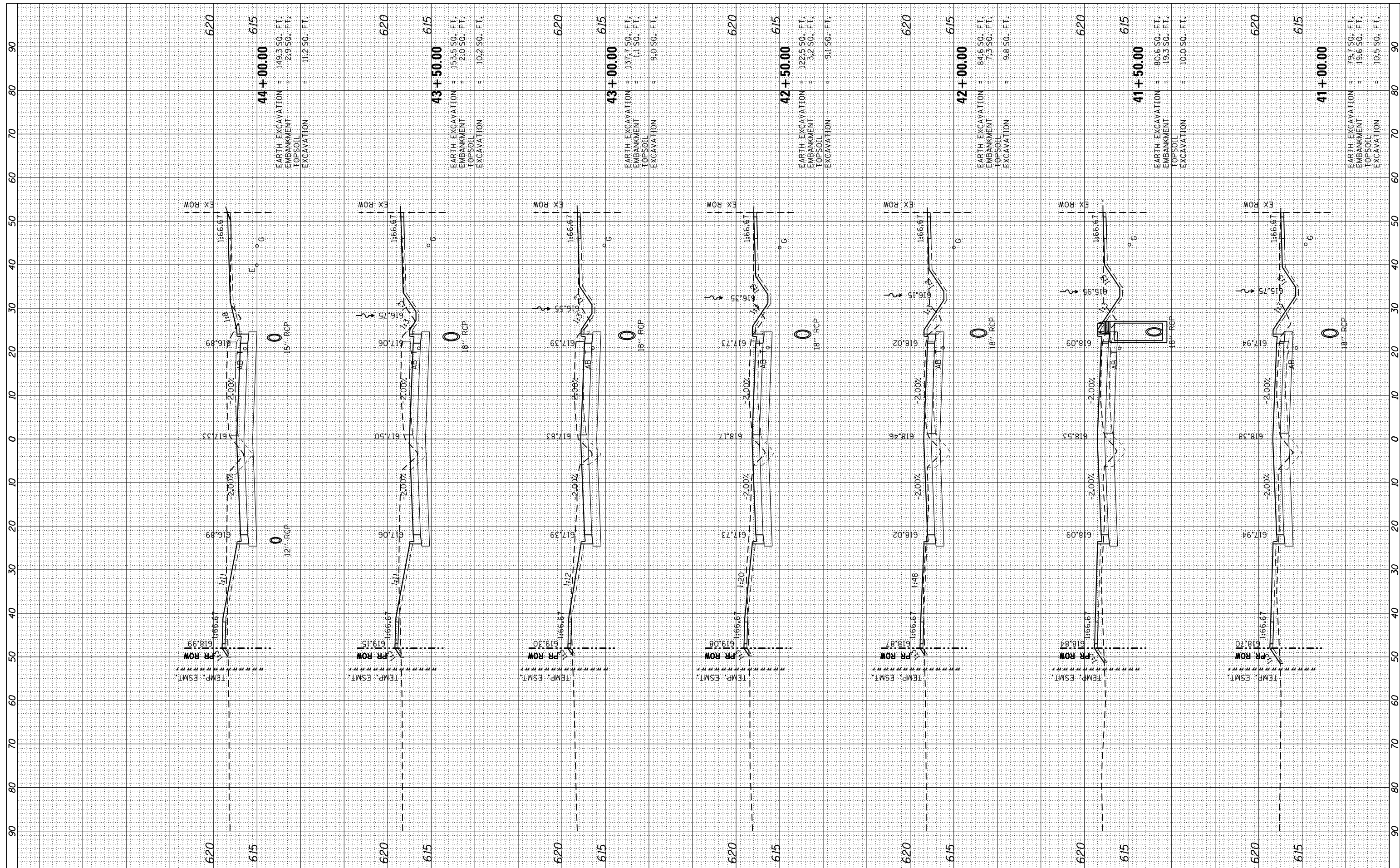
**CITY OF SPRINGFIELD
 DEPARTMENT OF PUBLIC WORKS**

**CROSS SECTIONS
 F.A.U. 8011 (ARCHER ELEVATOR ROAD)**
 SCALE: SHEET OF SHEETS STA. 38+00.00 TO STA. 40+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8011	15-00431-02-PV	SANGAMON	79	71
CONTRACT NO. 93719				
ILLINOIS FED. AID PROJECT				

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

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



FILE NAME = L:\Springfield\0702501\Draw\Sheets\Contract.2\2-D6-Sht.XSC_Archer_South.dgn
 XSC.SOUTH.9

USER NAME = Brian Bond
 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 5/29/2019

DESIGNED - KLT
 DRAWN - BMB
 CHECKED - KLT
 DATE - 5/24/2019

REVISED -
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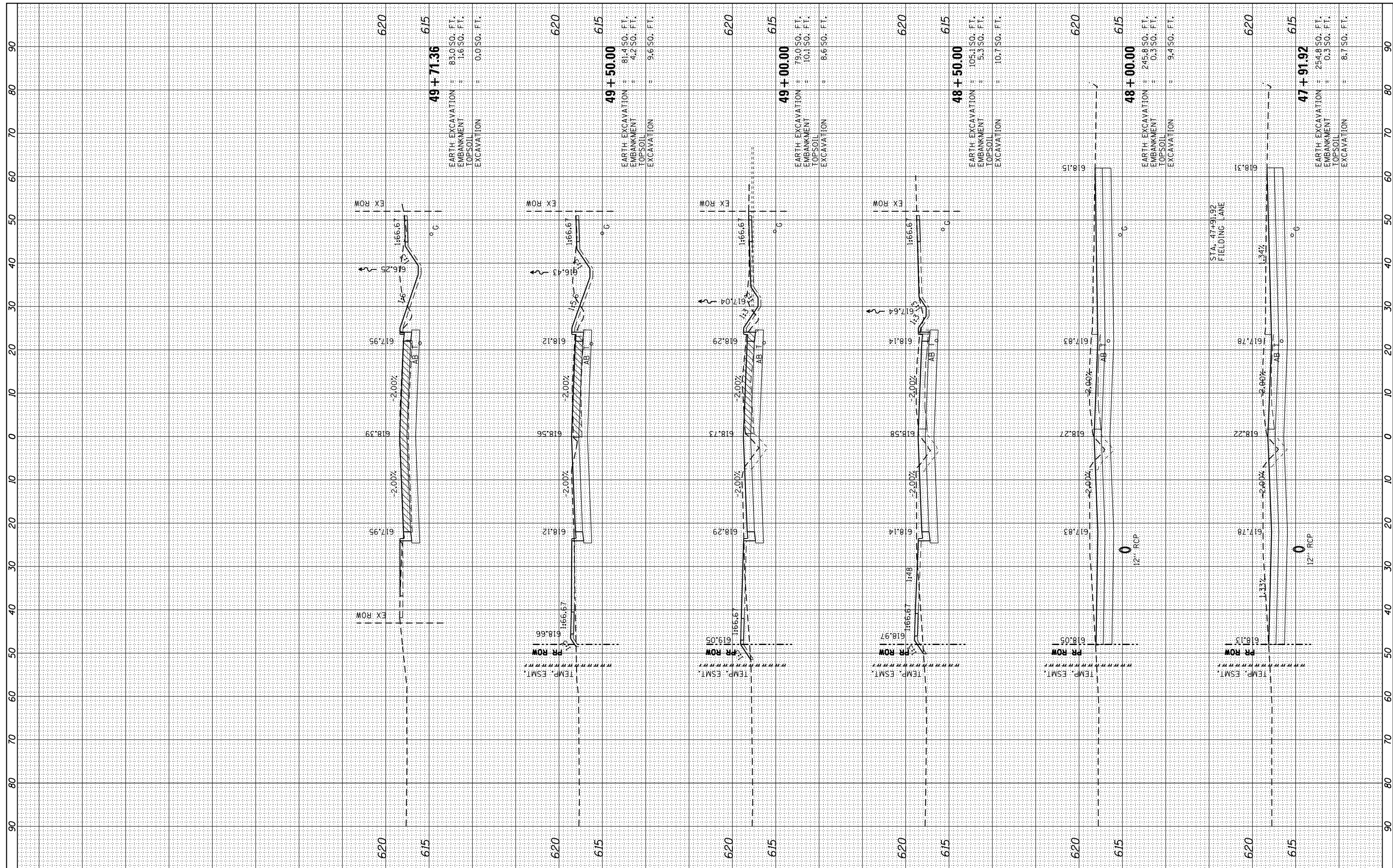
**CITY OF SPRINGFIELD
 DEPARTMENT OF PUBLIC WORKS**

**CROSS SECTIONS
 F.A.U. 8011 (ARCHER ELEVATOR ROAD)**
 SCALE: SHEET OF SHEETS STA. 41+00.00 TO STA. 44+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8011	15-00431-02-PV	SANGAMON	79	72
CONTRACT NO. 93719				
ILLINOIS FED. AID PROJECT				

DATE	BY
SURVEYED	PLOTTED
NO.	AREAS CHECKED

DATE	BY
SURVEYED	PLOTTED
NO.	AREAS CHECKED



49 + 71.36
 EARTH EXCAVATION = 85.0 SQ. FT.
 EMBANKMENT = 1.6 SQ. FT.
 TOPSOIL = 0.0 SQ. FT.
 EXCAVATION = 0.0 SQ. FT.

49 + 50.00
 EARTH EXCAVATION = 81.4 SQ. FT.
 EMBANKMENT = 4.2 SQ. FT.
 TOPSOIL = 9.6 SQ. FT.
 EXCAVATION = 9.6 SQ. FT.

49 + 00.00
 EARTH EXCAVATION = 79.0 SQ. FT.
 EMBANKMENT = 10.1 SQ. FT.
 TOPSOIL = 8.6 SQ. FT.
 EXCAVATION = 8.6 SQ. FT.

48 + 50.00
 EARTH EXCAVATION = 105.1 SQ. FT.
 EMBANKMENT = 5.3 SQ. FT.
 TOPSOIL = 10.7 SQ. FT.
 EXCAVATION = 10.7 SQ. FT.

48 + 00.00
 EARTH EXCAVATION = 245.8 SQ. FT.
 EMBANKMENT = 0.3 SQ. FT.
 TOPSOIL = 9.4 SQ. FT.
 EXCAVATION = 9.4 SQ. FT.

47 + 91.92
 EARTH EXCAVATION = 254.8 SQ. FT.
 EMBANKMENT = 0.3 SQ. FT.
 TOPSOIL = 8.7 SQ. FT.
 EXCAVATION = 8.7 SQ. FT.

FILE NAME =
 L:\Springfield\0702501\Draw\Sheets\Contract.2\2-D6-Sht.XSC_Archer_South.dgn

USER NAME = Brian Bond
 DRAWN - BMB
 CHECKED - KLT
 DATE - 5/24/2019

DESIGNED - KLT
 DRAWN - BMB
 CHECKED - KLT
 DATE - 5/24/2019

REVISED -
 REVISED -
 REVISED -
 REVISED -

**CITY OF SPRINGFIELD
 DEPARTMENT OF PUBLIC WORKS**

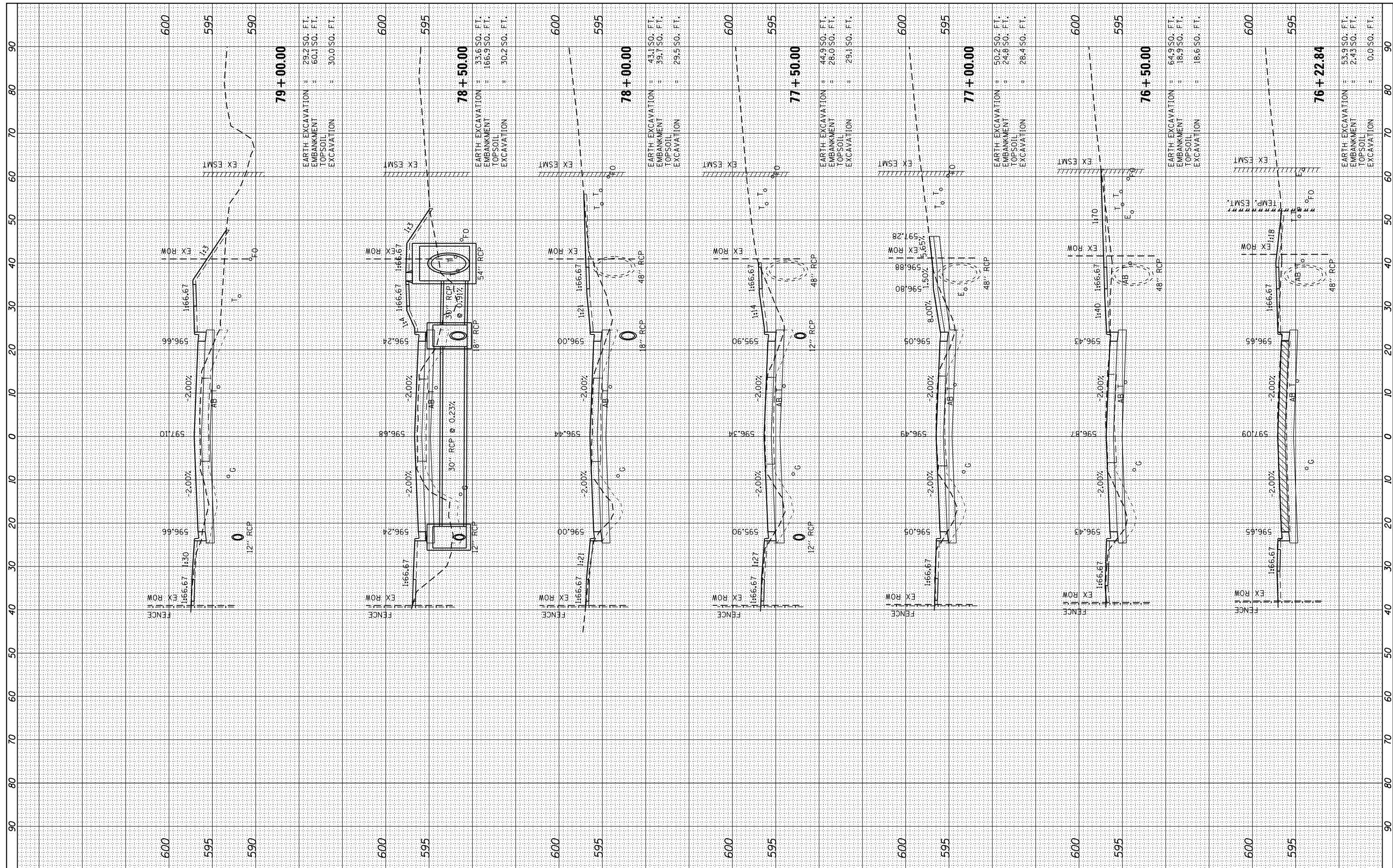
**CROSS SECTIONS
 F.A.U. 8011 (ARCHER ELEVATOR ROAD)**

SCALE: SHEET OF SHEETS STA. 47+91.92 TO STA. 49+71.36

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8011	15-00431-02-PV	SANGAMON	79	74
CONTRACT NO. 93719				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
AREAS CHECKED	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
AREAS CHECKED	TEMPLATE	
	AREAS CHECKED	



FILE NAME =
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 XSC_NORTH_1

USER NAME = Brian Bond
 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 5/29/2019

DESIGNED - KLT
 DRAWN - BMB
 CHECKED - KLT
 DATE - 5/24/2019

REVISED -
 REVISED -
 REVISED -
 REVISED -

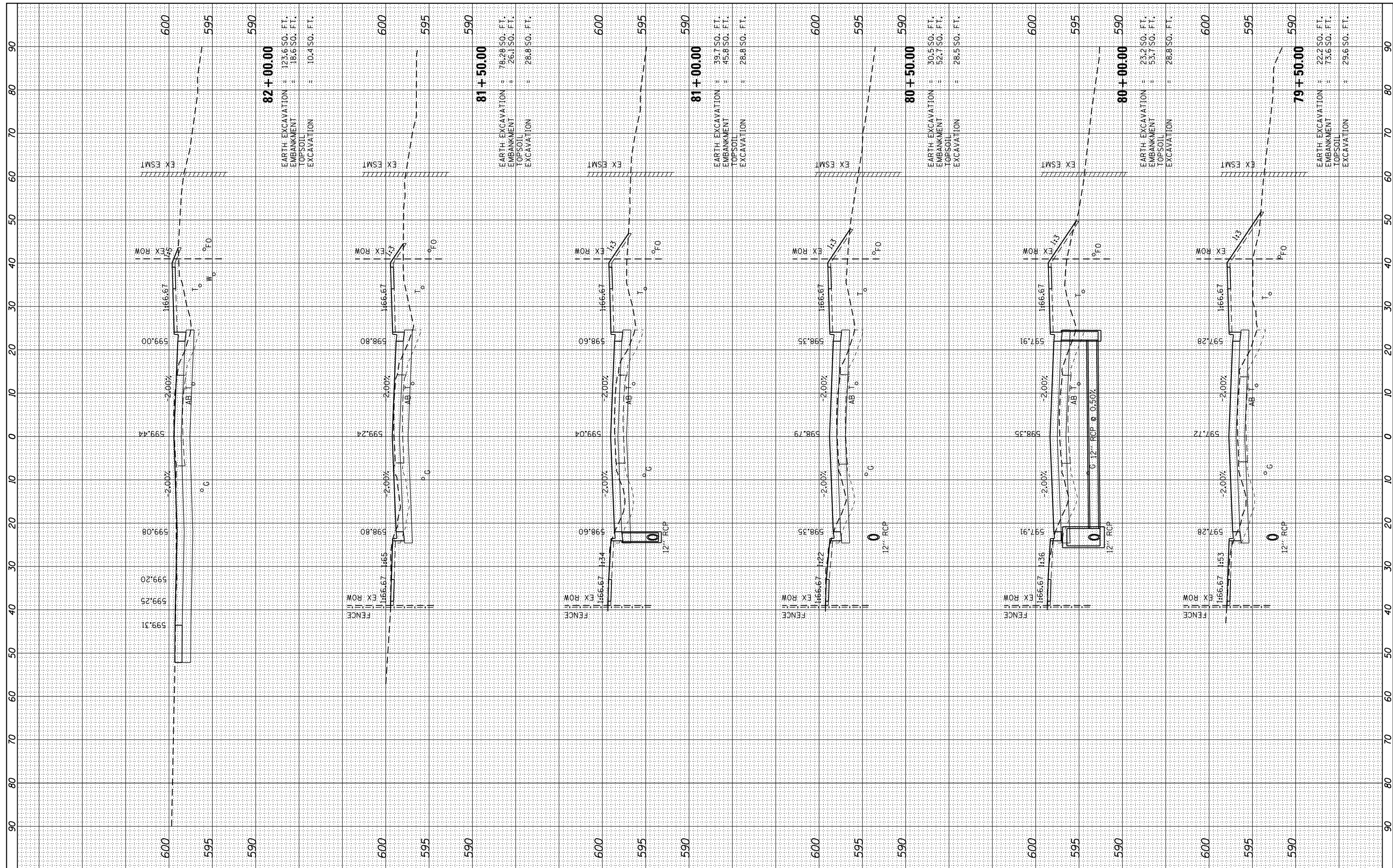
**CITY OF SPRINGFIELD
 DEPARTMENT OF PUBLIC WORKS**

**CROSS SECTIONS
 F.A.U. 8011 (ARCHER ELEVATOR ROAD)**
 SCALE: SHEET OF SHEETS STA. 76+22.84 TO STA. 79+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8011	15-00431-02-PV	SANGAMON	79	75
CONTRACT NO. 93719				
ILLINOIS FED. AID PROJECT				

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

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



82 + 00.00
 EARTH EXCAVATION = 123.6 SQ. FT.
 EMBANKMENT = 18.6 SQ. FT.
 TOPSOIL EXCAVATION = 10.4 SQ. FT.

81 + 50.00
 EARTH EXCAVATION = 78.28 SQ. FT.
 EMBANKMENT = 26.1 SQ. FT.
 TOPSOIL EXCAVATION = 28.8 SQ. FT.

81 + 00.00
 EARTH EXCAVATION = 99.7 SQ. FT.
 EMBANKMENT = 45.8 SQ. FT.
 TOPSOIL EXCAVATION = 28.8 SQ. FT.

80 + 50.00
 EARTH EXCAVATION = 30.5 SQ. FT.
 EMBANKMENT = 52.7 SQ. FT.
 TOPSOIL EXCAVATION = 28.5 SQ. FT.

80 + 00.00
 EARTH EXCAVATION = 23.2 SQ. FT.
 EMBANKMENT = 53.7 SQ. FT.
 TOPSOIL EXCAVATION = 28.8 SQ. FT.

79 + 50.00
 EARTH EXCAVATION = 22.2 SQ. FT.
 EMBANKMENT = 73.6 SQ. FT.
 TOPSOIL EXCAVATION = 29.6 SQ. FT.

FILE NAME = USER NAME = Brian Bond
 L:\Springfield\0702501\Draw\Sheets\Contract_2\2-D6-Sht.XSC_Archer_North.dgn
 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 5/29/2019

DESIGNED - KLT
 DRAWN - BMB
 CHECKED - KLT
 DATE - 5/24/2019

REVISED -
 REVISED -
 REVISED -
 REVISED -

**CITY OF SPRINGFIELD
 DEPARTMENT OF PUBLIC WORKS**

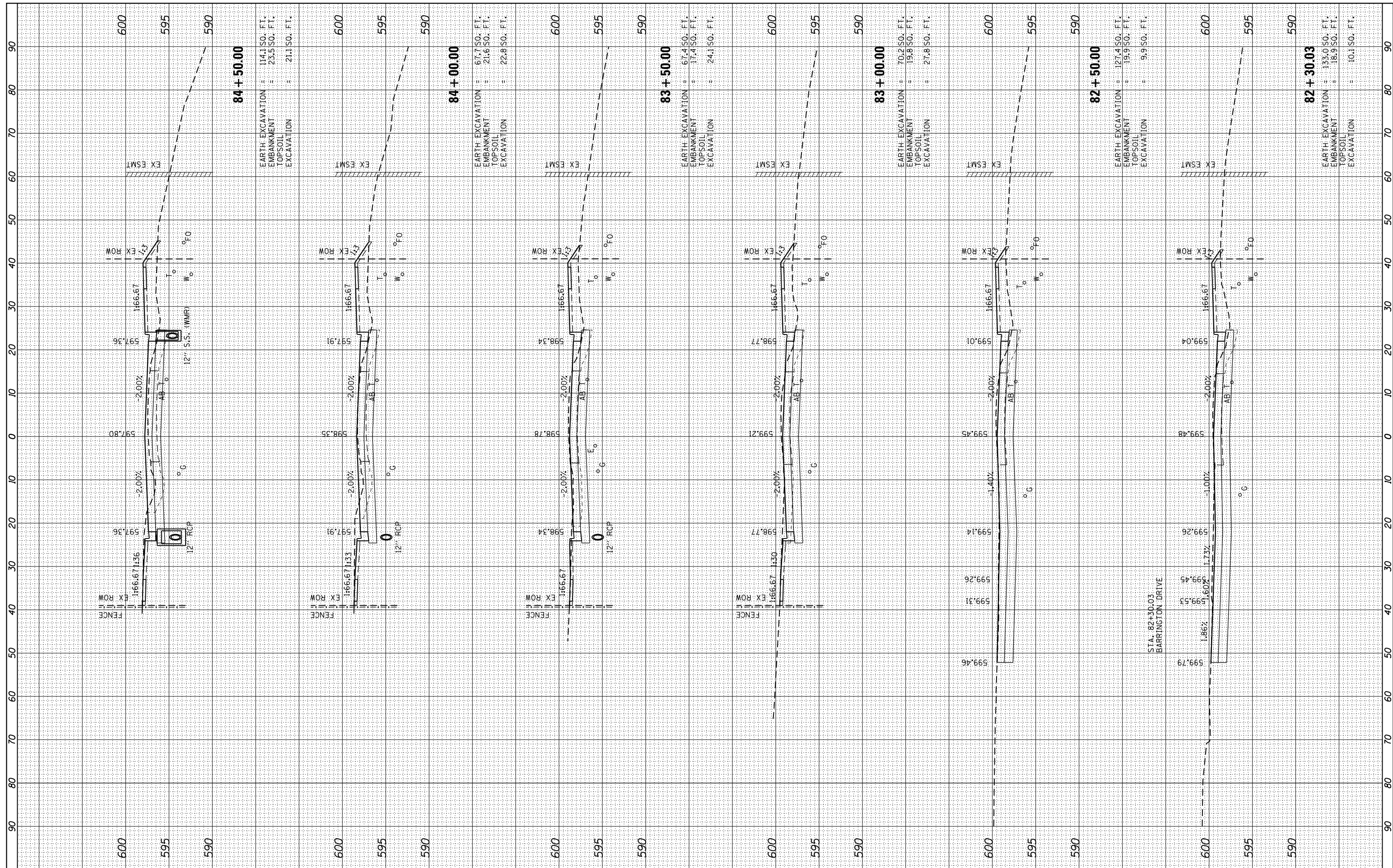
**CROSS SECTIONS
 F.A.U. 8011 (ARCHER ELEVATOR ROAD)**

SCALE: SHEET OF SHEETS STA. 79+50.00 TO STA. 82+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8011	15-00431-02-PV	SANGAMON	79	76
				CONTRACT NO. 93719
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	DATE
NO.	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NO.	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	



FILE NAME = L:\Springfield\0702501\Draw\Sheets\Contract.2\2-D6-Sht.XSC_Archer_North.dgn
 USER NAME = Brian Bond
 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 5/29/2019

DESIGNED -	KLT	REVISED -	
DRAWN -	BMB	REVISED -	
CHECKED -	KLT	REVISED -	
DATE -	5/24/2019	REVISED -	

**CITY OF SPRINGFIELD
 DEPARTMENT OF PUBLIC WORKS**

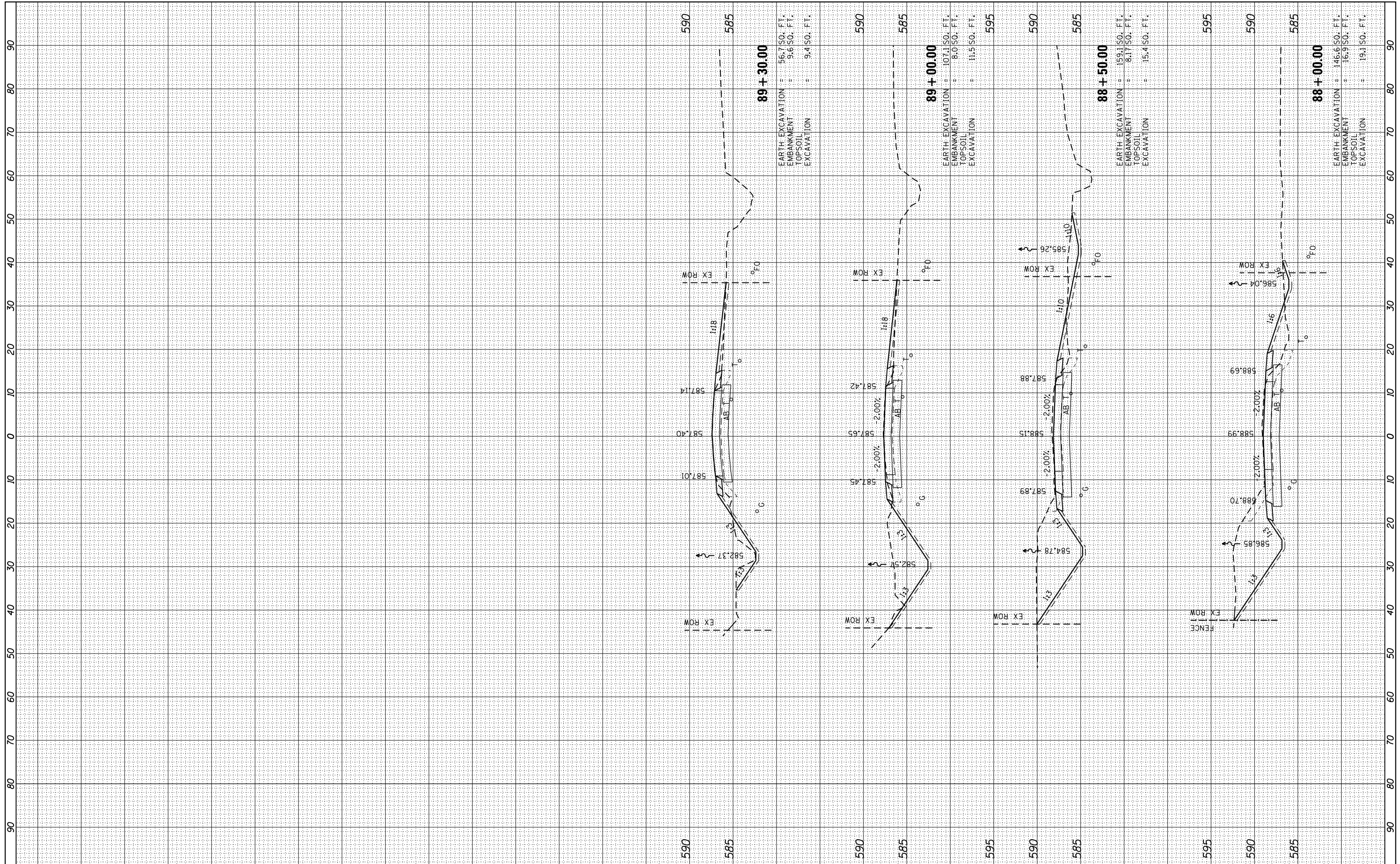
SCALE:		SHEET	OF	SHEETS	STA. 82+30.03	TO	STA. 84+50.00
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**CROSS SECTIONS
 F.A.U. 8011 (ARCHER ELEVATOR ROAD)**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8011	15-00431-02-PV	SANGAMON	79	77
CONTRACT NO. 93719				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME = L:\Springfield\0702501\Draw\Sheets\Contract_2\2-D6-Shft.XSC_Archer_North.dgn
 XSC_NORTH_5

USER NAME = Brian Bond
 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 5/24/2019

DESIGNED - KLT
 DRAWN - BMB
 CHECKED - KLT
 DATE - 5/24/2019

REVISED -
 REVISED -
 REVISED -
 REVISED -

**CITY OF SPRINGFIELD
 DEPARTMENT OF PUBLIC WORKS**

**CROSS SECTIONS
 F.A.U. 8011 (ARCHER ELEVATOR ROAD)**

SCALE: SHEET OF SHEETS STA. 88+00.00 TO STA. 89+30.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8011	15-00431-02-PV	SANGAMON	79	79
CONTRACT NO. 93719				
ILLINOIS FED. AID PROJECT				