F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	TAZEWELL	147	1
	ILLINOIS	CONTRACT NO. 89805		

04-28-2023 LETTING ITEM 155

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

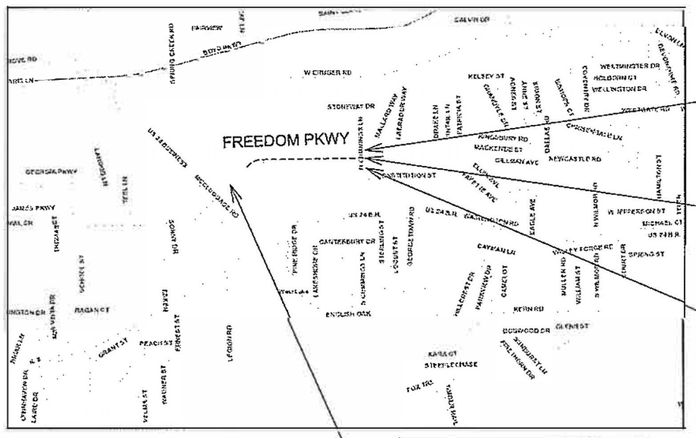
PROPOSED
HIGHWAY PLANS

FAU ROUTE 6745
SECTION: 20–00128–02–PV
FEDERAL PROJECT ZUN6(153)
EXTENSION OF FREEDOM PARKWAY
JOB C–94–028–21
CITY OF WASHINGTON
TAZEWELL COUNTY

WASHINGTON TWP. SECTIONS 15, 16



LOCATION OF SECTION INDICATED THUS: –



N

LOCATION MAP
NOT TO SCALE

CUMMINGS LANE
END IMPROVEMENTS
STA. 73 + 42.73

FREEDOM PARKWAY
END IMPROVEMENTS
STA. 56 + 32.71

CUMMINGS LANE
BEGIN IMPROVEMENTS
STA. 66 + 94.78

FREEDOM PARKWAY
BEGIN IMPROVEMENTS
STA. 15+41.78

DESCRIPTION OF PROJECT

THIS PROJECT INCLUDES CONSTRUCTION OF NEW ROADWAY, FREEDOM PARKWAY, WITHIN EXISTING RIGHT-OF-WAY. THIS INCLUDES PAVEMENT, CURB/GUTTER, SHARED-USE PATH, LIGHTING, BIOSWALE, AND A CLOSED DRAINAGE SYSTEM. TRAFFIC SIGNALS ARE TO BE INSTALLED AT THE NEW INTERSECTION OF FREEDOM PKWY/CUMMINGS LN.

APPROVED DECEMBER 14, 2022
DENNIS CARR, CITY ENGINEER
LOCAL AGENCY OFFICIAL

PASSED 03-20 20 23
DISTRICT FOUR ENGINEER OF
LOCAL ROADS & STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW
March 20 20 23
REGION THREE ENGINEER
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

LICENSED PROFESSIONAL ENGINEER
ERIC THERKILDSEN
062-044857
STATE OF ILLINOIS

12 /13 /2022
DATE

ERIC S. THERKILDSEN, P.E.
LICENSED PROFESSIONAL ENGINEER
ILLINOIS NO. 062-044857 EXPIRES 11-30-2023

100' 200' 300' — 1"= 100'
0 10' 20' 30' — 1"= 10'
0 50' 100' — 1"= 50'
0 50' 100' — 1"= 40'
0 50' 100' — 1"= 30'
0 50' 100' — 1"= 20'

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

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

CITY ENGINEER: DENNIS CARR, 309–444–1136
TERRA PROJECT MANAGER: ERIC THERKILDSEN, 309–999–0123

CATALOG NO. 036141–00D
CONTRACT NO. 89805

ROAD	FROM STA.	TO STA.	LENGTH (FT)	LENGTH (MI)
FREEDOM PARKWAY	14 + 32.17	56 + 32.17	4,200.00	0.80
CUMMINGS LANE	66 + 94.78	73 + 42.73	647.95	0.12
NET AND GROSS LENGTH OF IMPROVEMENT			4,847.95	0.92

CITY OF WASHINGTON

TERRA ENGINEERING LTD.
401 Main Street, Suite 1560
Peoria, IL 61602
(309) 999–0123

INDEX OF SHEETS

1	COVERSHEET
2	GENERAL NOTES
3-15	SUMMARY OF QUANTITIES
16-18	TYPICAL SECTIONS
19-20	SCHEDULES OF QUANTITIES
21	ALIGNMENTS, BENCHMARKS, AND TIES
22-24	REMOVAL PLANS
25-33	PLAN AND PROFILE
34	DRAINAGE REMOVAL PLAN
35-47	DRAINAGE PLANS
48-56	MAINTENANCE OF TRAFFIC/CONSTRUCTION STAGING PLANS
57-62	EROSION CONTROL PLANS
63-68	RIGHT-OF-WAY PLANS
69-70	INTERSECTION DETAIL PLAN
71-72	CURB RAMPS DETAILS
73-74	JOINTING PLAN
75-80	PAVEMENT MARKINGS AND SIGNAGE PLANS
81-84	TRAFFIC SIGNAL PLAN
85-92	LIGHTING PLANS
93-100	LANDSCAPING PLANS
101-111	WATER MAIN PLAN
112-121	DETAILS
122-147	CROSS SECTIONS

IDOT DISTRICT 4 GENERAL NOTES

AVAILABILITY OF ELECTRONIC FILES

MicroStation and GEOPAK files of this project will be made available to the Contractor after contract award. If there is a conflict between the electronic files and the printed contract plans and documents, the printed contract plans and documents shall take precedence over the electronic files. The Contractor shall accept all risk associated with using the electronic files and shall hold the Department harmless for any errors or omissions in the electronic files and the data contained therein. Errors or delays resulting from the use of the electronic files by the Contractor shall not result in an extension of time for any interim or final completion date or shall not be considered cause for additional compensation. The Contractor shall not use, share, or distribute these electronic files except for the purpose of constructing this contract. Any claims by third parties due to use or errors shall be the responsibility of the Contractor. The Contractor shall include this disclaimer with the transfer of these electronic files to any other parties and shall include appropriate language binding them to similar responsibilities.

PLAN ELEVATIONS - U.S.G.S. MEAN SEA LEVEL DATUM

All elevations shown on the plans are established from U.S.G.S. mean sea level datum.

TEMPORARY MATERIAL REQUIREMENTS - UTILITY AND DRIVEWAY CROSSINGS

Incidental hot-mix asphalt surface shall be used for all temporary side road crossings. Aggregate surface course may be used for all driveway crossings except during winter shutdown in accordance with Article 107.09.

ENVIRONMENTAL REVIEWS

Prior to the use of any proposed borrow areas, use areas (temporary access roads, detours, run-arounds, etc.) and/or waste areas, the Contractor shall file the required environmental resource request surveys according to Section 107.22 of the Standard Specifications. These surveys are required in order for the Department to conduct cultural and biological resource surveys for the proposed site.

The required environmental resource documentation shall include the following:

* BDE Form 2289 (Borrow Site Review)
* BDE Form 2290 (Waste/Use Area Review)
* A location map showing the size limits and location of the use area
* Color photographs depicting the use area
* Borrow Area Entry Agreement form - D4 PI0101

Prior to any waste materials being removed from the construction site the required environmental resource surveys shall be obtained and filed by the Contractor. Excess waste products removed from the construction site shall be disposed of as required in Section 202.03 of the Standard Specifications.

Any protruding metal bars shall be removed prior to the disposal of broken concrete at approved disposal sites.

Please note that a minimum of four weeks shall be allowed for the District to obtain the required waste site environmental clearances and six weeks for the required borrow site environmental clearances.

POLYMERIZED BITUMINOUS MATERIALS (TACK COAT) RATES

Surface Type	Residual Rate
Milled (HMA or PCC)	0.08 lb / sq ft
Existing Pavement	0.08 lb / sq ft
Fog Coat (between lifts)	0.08 lb / sq ft

HOT-MIX ASPHALT MIXTURE REQUIREMENTS
(PROPOSED FREEDOM PARKWAY AND PATCHING OF EXISTING FREEDOM PARKWAY)

Mixture Use(s):	POLY TOP BIND CSE, 2"	POLY LOWER BIND CSE, 2"	POLY LOWER BIND CSE, 2"	POLY LOWER BIND CSE, 4"
PG:	SBS OR SBR 76-28	SBS OR SBR 76-28	PG-64-22	PG-64-22
Design Air Voids:	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50
Mixture Composition: (Gradation Mixture):	IL-9.5	IL-9.5	IL-9.5	IL-9.5
Friction Aggregate:	MIX D	MIX D	MIX D	MIX D
Quality Management:	QC/QA	QC/QA	QC/QA	QC/QA

Notes:
1) For design purposes, mixture weight for all mixes is determined to be 112.0 lb./s.y./in., unless otherwise noted.

PAVING SURFACE COURSE

Continuous paving operations on the main roadway shall be maintained at all times during the construction of the hot-mix asphalt surface. No interruptions for side roads, entrances, turn lanes, etc. will be allowed.

ORDERING LENGTH CONFIRMATION - DRAINAGE ITEMS

The Contractor shall consult with the Engineer in regard to the exact length of the box/pipe culverts, storm sewers, and/or pipe drains required prior to ordering these items.

EXISTING DRAINAGE PIPES CONNECTED TO NEW STRUCTURES

In accordance with Section 602 of the Standard Specifications, the connecting of existing drain tiles, pipe culverts, or storm sewers to the proposed drainage system structures will not be paid for separately but shall be considered as included in the pay items provided.

TRANSITION PAYMENT METHOD - NEW/OLD CONSTRUCTION

Ten feet (10 ft.) (3 m) transitions shall be used to match proposed items of work to existing items in the field unless otherwise shown. The transition shall be paid for at the contract unit price for the proposed item of work specified.

SIGNING

Sign locations may vary from the stations shown on the plans in accordance with directions from the Engineer at the time of construction. Sign locations may be adjusted in the field to avoid any found utilities.

All wood post locations shall be verified with the Bureau of Operations, Traffic Section, before installation.

GENERAL NOTES

1. The contractor shall field verify all dimensions and existing conditions prior to construction and notify the Engineer of any discrepancy immediately.
2. The contractor shall be responsible for repairs to any utility lines and existing improvements to remain that are damaged as a result of the work.
3. All the elevations, stations, and offsets shown on the plans shall be field verified by the contractor piror to construction.
4. All pavement removals shall be full depth saw cut at the limits to be removed. The cost of the saw cut is included in pavement removal.
5. The work area shall be positively drained during construction. Final grades shall be protected against damage from erosion, sedimentation, and traffic.
6. Contractor shall be responsible for locating all existing underground utilities prior to excavation.
7. SNOW REMOVAL: The contractor is advised that in event of snow he will be responsible for the immediate removal of any maintenance of traffic protective devices required for his operations that would interfere with snow removal operations performed by the authority.
8. UTILITY ADJUSTMENTS/RELOCATIONS BY OTHERS: The following table indicates utilities that need to be adjusted or relocated by others and is provided for information only.

OWNER	TYPE	ROADWAY	STATION	OFFSET	EXISTING ELEVATION	PROPOSED ELEVATION	ELEVATION DIFFERENTIAL	MODIFICATION
AMEREN	GAS	FREEDOM	17+11.33	42.14' RT	816.01	816.92	0.91	ADJUSTED BY OTHERS
COMCAST	VAULT	FREEDOM	17+25.57	34.56' RT	817.57	817.56	-0.01	NONE REQUIRED
AMEREN	POLE	CUMMINGS	70+58.24	44.92' RT	806.08	N/A	N/A	RELOCATED BY OTHERS
AMEREN	GAS	CUMMINGS	70+63.80	40.37' RT	806.21	N/A	N/A	RELOCATED BY OTHERS
MTCO	FIBER OPTIC	CUMMINGS	69+48.87	47.12' LT	805.75	804.92	-0.83	ADJUSTED BY OTHERS
AMEREN	GAS	CUMMINGS	70+26.08	42.71' RT	806.25	805.09	-1.16	ADJUSTED BY OTHERS
AMEREN	GAS	CUMMINGS	70+25.68	58.13' RT	805.90	805.29	-0.61	ADJUSTED BY OTHERS

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-10	PAVEMENT JOINTS
420106-07	36' (10.8 m) JOINTED PCC PAVEMENT
420111-04	PCC PAVEMENT ROUNDOUTS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
602011-02	CATCH BASIN TYPE C
602402-03	PRECAST MANHOLE TYPE A, 5' DIAMETER
602406-11	PRECAST MANHOLE TYPE A, 6' DIAMETER
602701-02	MANHOLE STEPS
604001-05	FRAME AND LIDS TYPE 1
604036-03	GRATE TYPE 8
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLLY, FOR SPEEDS ≥ 45 MPH
701502-09	URBAN LANE CLOSURE, MULTILANE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
720006-04	SIGN PANEL ERECTION DETAILS
720016-04	MAST ARM MOUNTED STREET NAME SIGNS
728001-01	TELESCOPING STEEL SIGN SUPPORT
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-03	HANDHOLES
814001-03	DOUBLE HANDHOLES
821101-02	LUMINAIRE WIRING IN POLE
830011-03	LIGHT POLE STEEL MAST ARM
836001-04	LIGHT POLE FOUNDATION
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
877001-08	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
877011-10	STEEL COMB. MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-11	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS

IDOT DISTRICT 4 DETAILS

423106-D4	URBAN ENTRANCES, ACCESSIBLE TO THE DISABLED, FOR SEPARATED SIDEWALK
602006-D4	INLETS, TYPE G-1, SPECIAL
602026-D4	INLET-MANHOLE, TYPE G-1, SPECIAL
604001-D4	FRAMES, GRATES FOR G-1, G-1 SPECIAL
780001-D4	TYPICAL PAVEMENT MARKINGS

COMMITMENTS

COMMITMENTS ARE NOT TO BE ALTERED WITHOUT THE WRITTEN APPROVAL OF ALL PARTIES TO WHICH THE COMMITMENT WAS MADE.

THE CONTRACTOR SHALL INSTALL THE PROPOSED TEMPORARY FENCE ON THE NORTH SIDE OF FREEDOM PARKWAY FROM STATION 46+30.77 TO STATION 48+13.35 PRIOR TO WORKING IN THE VICINITY. REFER TO THE PLAN AND PROFILE SHEETS FOR ADDITIONAL INFORMATION ABOUT THE FENCE LOCATION. THE CONTRACTOR SHALL NOT DISTURB, ENTER, OR OTHERWISE ALTER THE AREA NORTH OF THIS TEMPORARY FENCE.

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	2
		CONTRACT NO. 89805		
	ILLINOIS	FED. AID PROJECT		

					CONSTRUCTION TYPE CODE						
					0001	0021	0021	0021	0021	0031	0043
					80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY
	ITEM NUMBER	ITEM	UNIT	QUANTITY	ROADWAY	SIDEWALK	PAVT MKGS	TRAFFIC SIGNALS	LIGHTING	LANDSCAPING	WATER MAIN
X	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	16						16	
	20101000	TEMPORARY FENCE	FOOT	189	189						
X	20101400	NITROGEN FERTILIZER NUTRIENT	POUND	398						398	
X	20101500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	398						398	
X	20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	398						398	
	20200100	EARTH EXCAVATION	CU YD	15375	15375						
	20800150	TRENCH BACKFILL	CU YD	4357	4357						
*	21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	11565	11565						
X	25000200	SEEDING, CLASS 2	ACRE	4.25						4.25	
X	25100115	MULCH, METHOD 2	ACRE	4.5						4.5	
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	427						427	
	28000305	TEMPORARY DITCH CHECKS	FOOT	18	18						
	28000400	PERIMETER EROSION BARRIER	FOOT	9718	9718						
	28000500	INLET AND PIPE PROTECTION	EACH	72	72						

* SEE SPECIAL PROVISION

X SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
FREEDOM PARKWAY

SCALE: 20.0000 ' / in. SHEET 1 OF 13 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	3
		CONTRACT NO. 89805		
	ILLINOIS FED. AID PROJECT			

				CONSTRUCTION TYPE CODE						
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				80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY
ITEM NUMBER	ITEM	UNIT	QUANTITY	ROADWAY	SIDEWALK	PAVT MKGS	TRAFFIC SIGNALS	LIGHTING	LANDSCAPING	WATER MAIN
28100709	STONE DUMPED RIPRAP, CLASS A5	SQ YD	38	38						
35101100	AGGREGATE BASE COURSE, TYPE A 12"	SQ YD	19211	19211						
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	4772	272	4500					
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	110	110						
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	30141	30141						
40701881	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"	SQ YD	13955	13955						
42000311	PORTLAND CEMENT CONCRETE PAVEMENT 8 1/2" (JOINTED)	SQ YD	2589	2589						
42001300	PROTECTIVE COAT	SQ YD	9959	9959						
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	272	272						
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	40496		40496					
42400800	DETECTABLE WARNINGS	SQ FT	223		223					
44000100	PAVEMENT REMOVAL	SQ YD	1277	1277						
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	401	401						
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	903	903						

* SEE SPECIAL PROVISION

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
FREEDOM PARKWAY

SCALE: 20.0000 ' / In. SHEET 2 OF 13 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	4
		CONTRACT NO. 89805		
	ILLINOIS FED. AID PROJECT			

				CONSTRUCTION TYPE CODE						
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				80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY
ITEM NUMBER	ITEM	UNIT	QUANTITY	ROADWAY	SIDEWALK	PAVT MKGS	TRAFFIC SIGNALS	LIGHTING	LANDSCAPING	WATER MAIN
44000600	SIDEWALK REMOVAL	SQ FT	1632	1632						
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	11	11						
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	21	21						
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	132	132						
54210189	PIPE ELBOW, 24"	EACH	1	1						
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	2	2						
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	1	1						
54213687	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 42"	EACH	1	1						
542A0217	PIPE CULVERTS, CLASS A, TYPE 1 12"	FOOT	20	20						
550A0160	STORM SEWERS, CLASS A, TYPE 1 36"	FOOT	303	303						
550A0180	STORM SEWERS, CLASS A, TYPE 1 42"	FOOT	141	141						
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	749	749						
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	372	372						
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	393	393						

' SEE SPECIAL PROVISION

X SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
FREEDOM PARKWAY

SCALE: 20.0000 ' / in. SHEET 3 OF 13 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	5
		CONTRACT NO. 89805		
	ILLINOIS FED. AID PROJECT			

				CONSTRUCTION TYPE CODE						
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				80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY
ITEM NUMBER	ITEM	UNIT	QUANTITY	ROADWAY	SIDEWALK	PAVT MKGS	TRAFFIC SIGNALS	LIGHTING	LANDSCAPING	WATER MAIN
550A0400	STORM SEWERS, CLASS A, TYPE 2 21"	FOOT	164	164						
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	734	734						
550A0420	STORM SEWERS, CLASS A, TYPE 2 27"	FOOT	491	491						
550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	321	321						
550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	696	696						
550B0040	STORM SEWERS, CLASS B, TYPE 1 10"	FOOT	8	8						
550B0120	STORM SEWERS, CLASS B, TYPE 1 24"	FOOT	3	3						
55100300	STORM SEWER REMOVAL 8"	FOOT	34	34						
55101200	STORM SEWER REMOVAL 24"	FOOT	168	168						
X 56100050	DUCTILE IRON WATER MAIN TEE, 12" X 6"	EACH	9							9
X 56100055	DUCTILE IRON WATER MAIN TEE, 12" X 8"	EACH	1							1
X 56100600	WATER MAIN 6"	FOOT	63							63
X 56100900	WATER MAIN 12"	FOOT	3771							3771
X 56101160	DUCTILE IRON WATER MAIN REDUCER, 12" X 8"	EACH	1							1

' SEE SPECIAL PROVISION

X SPECIALTY ITEM

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PLOT DATE = 1/30/2023	DATE - 2022/12/14	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
FREEDOM PARKWAY

SCALE: 20.0000 ' / in. SHEET 4 OF 13 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	6
		CONTRACT NO. 89805		
	ILLINOIS	FED. AID PROJECT		

					CONSTRUCTION TYPE CODE						
					C001	0021	0021	0021	0021	0031	0043
					80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY
	ITEM NUMBER	ITEM	UNIT	QUANTITY	ROADWAY	SIDEWALK	PAVT MKGS	TRAFFIC SIGNALS	LIGHTING	LANDSCAPING	WATER MAIN
X *	56104900	WATER VALVES 6"	EACH	9							9
X *	56105200	WATER VALVES 12"	EACH	9							9
X *	56108900	TAPPING VALVES AND SLEEVES 8"	EACH	4							4
X *	56109100	TAPPING VALVES AND SLEEVES 12"	EACH	1							1
X	56109412	DUCTILE IRON WATER MAIN FITTINGS 12" 22.50 DEGREE BEND	EACH	1							1
X	56109420	DUCTILE IRON WATER MAIN FITTINGS 8" 45.00 DEGREE BEND	EACH	4							4
X	56109424	DUCTILE IRON WATER MAIN FITTINGS 12" 45.00 DEGREE BEND	EACH	33							33
X	56109432	DUCTILE IRON WATER MAIN FITTINGS 6" 90.00 DEGREE BEND	EACH	9							9
X	56109434	DUCTILE IRON WATER MAIN FITTINGS 8" 90.00 DEGREE BEND	EACH	2							2
X	56109438	DUCTILE IRON WATER MAIN FITTINGS 12" 90.00 DEGREE BEND	EACH	1							1
X *	56400600	FIRE HYDRANTS	EACH	9							9
	60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	8	8						
	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3						
	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2						

* SEE SPECIAL PROVISION

X SPECIALTY ITEM

MODEL: Default
FILE NAME: pw:\\terraengineering.bentley.com:terraengine-01\Documents\Projects\D220126-140-001 / Freedom Pkwy\Design\100 - Drawings\110 - Sht01 - General\D2201405HT-SCQ-05.dgn

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USER NAME = CollinC	DESIGNED - CC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES FREEDOM PARKWAY
FILENAME = D220140-SHT-SCQ-05.dgn	DRAWN - AE	REVISED -		SCALE: 20.0000 ' / in. SHEET 5 OF 13 SHEETS STA. TO STA.
PLOT SCALE = 20.0000 ' / in.	CHECKED - ET	REVISED -		
PLOT DATE = 1/30/2023	DATE - 2022/12/14	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	7
		CONTRACT NO. 89805		
	ILLINOIS FED. AID PROJECT			

				CONSTRUCTION TYPE CODE						
				0001	0021	0021	0021	0021	0031	0043
				80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY
ITEM NUMBER	ITEM	UNIT	QUANTITY	ROADWAY	SIDEWALK	PAVT MKGS	TRAFFIC SIGNALS	LIGHTING	LANDSCAPING	WATER MAIN
60260100	INLETS TO BE ADJUSTED	EACH	1	1						
60260400	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	4	4						
60266600	VALVE BOXES TO BE ADJUSTED	EACH	1	1						
60500040	REMOVING MANHOLES	EACH	1	1						
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	7794	7794						
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	18	18						
67100100	MOBILIZATION	L SUM	1	0.91						0.09
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	75	75						
* 70107025	CHANGEABLE MESSAGE SIGN	CAL DA	119	119						
* 70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	5727			0				
* 70306100	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE III TAPE	SQ FT	53			0				
* 70306120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE III TAPE	FOOT	17020			17020				
X 72000100	SIGN PANEL - TYPE 1	SQ FT	79	79						
X 72000200	SIGN PANEL - TYPE 2	SQ FT	53	53						

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TERRA ENGINEERING LTD.	USER NAME = CoBnC	DESIGNED - CC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES FREEDOM PARKWAY
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	PLOT SCALE = 20.0000 ' / in.	CHECKED - ET	REVISED -		
	PLOT DATE = 1/30/2023	DATE - 2022/12/14	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	8
		CONTRACT NO. 89805		
	ILLINOIS FED. AID PROJECT			

					CONSTRUCTION TYPE CODE						
					0001	0021	0021	0021	0021	0031	0043
					80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY
	ITEM NUMBER	ITEM	UNIT	QUANTITY	ROADWAY	SIDEWALK	PAVT MKGS	TRAFFIC SIGNALS	LIGHTING	LANDSCAPING	WATER MAIN
X	72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	4	4						
X	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	85	85						
X	78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	449			449				
X	78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	12943			12943				
X	78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	1282			1282				
X	78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	114			114				
X	78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	784			784				
X	78011000	GROOVING FOR RECESSED PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	633			633				
X	78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	12943			12943				
X	78011045	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	1282			1282				
X	78011065	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	114			114				
X	78011125	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	784			784				
X	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	1902			1902				
X *	80400100	ELECTRIC SERVICE INSTALLATION	EACH	1					1		

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X SPECIALTY ITEM

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PLOT DATE = 1/30/2023	DATE - 2022/12/14	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
FREEDOM PARKWAY

SCALE: 20.0000 ' / in. SHEET 7 OF 13 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	9
		CONTRACT NO. 89805		
	ILLINOIS FED. AID PROJECT			

					CONSTRUCTION TYPE CODE						
					0001	0021	0021	0021	0021	0031	0043
					80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY
	ITEM NUMBER	ITEM	UNIT	QUANTITY	ROADWAY	SIDEWALK	PAVT MKGS	TRAFFIC SIGNALS	LIGHTING	LANDSCAPING	WATER MAIN
X	81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	4092					4092		
X	81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	448				80	368		
X	81028390	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	272				272			
X *	81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	4				3	1		
X *	81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1				1			
X	81702460	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 3/0	FOOT	433					433		
X	82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	4					4		
X	83060450	LIGHT POLE, GALVANIZED STEEL, 45 FT. M.H., 15 FT. MAST ARM	EACH	3					3		
X	83600300	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	207					207		
X	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1458				1458			
X	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1368				1368			
X	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1349				1349			
X	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	189				189			
X *	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	488				488			

* SEE SPECIAL PROVISION

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PLOT DATE = 1/30/2023	DATE - 2022/12/14	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
FREEDOM PARKWAY

SCALE: 20.0000 ' / in. SHEET 8 OF 13 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	10
		CONTRACT NO. 89805		
	ILLINOIS	FED. AID PROJECT		

					CONSTRUCTION TYPE CODE						
					0001	0021	0021	0021	0021	0031	0043
					80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY
	ITEM NUMBER	ITEM	UNIT	QUANTITY	ROADWAY	SIDEWALK	PAVT MKGS	TRAFFIC SIGNALS	LIGHTING	LANDSCAPING	WATER MAIN
X	87502490	TRAFFIC SIGNAL POST, GALVANIZED STEEL 15 FT.	EACH	1				1			
X	87700210	STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1				1			
X	87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1				1			
X	87700310	STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.	EACH	1				1			
X	87702960	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.	EACH	1				1			
X	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3				3			
X	87800150	CONCRETE FOUNDATION, TYPE C	FOOT	3.5				3.5			
X	87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	13.5				13.5			
X	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	41				41			
X *	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4				4			
X *	88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3				3			
X *	88030070	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	3				3			
X *	88030080	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	4				4			
X *	88030230	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED	EACH	1				1			

* SEE SPECIAL PROVISION

X SPECIALTY ITEM

MODEL: Default
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					CONSTRUCTION TYPE CODE						
					0001	0021	0021	0021	0021	0031	0043
					80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY
	ITEM NUMBER	ITEM	UNIT	QUANTITY	ROADWAY	SIDEWALK	PAVT MKGS	TRAFFIC SIGNALS	LIGHTING	LANDSCAPING	WATER MAIN
X *	88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	4				4			
X *	88200510	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	15				15			
X	A2002470	TREE, BETULA NIGRA HERITAGE (HERITAGE RIVER BIRCH), 8' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	12				12			
X	A2002879	TREE, CELTIS OCCIDENTALIS CHICAGOLAND, (CHICAGOLAND COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED	EACH	12						12	
X	A2004820	TREE, GLEDITSIA TRIACANTHOS INFERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	12						12	
X	A2005520	TREE, NYSSA SYLVATICA (BLACK TUPELO), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	15						15	
X	A2006516	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	15						15	
X	A2007720	TREE, TAXODIUM DISTICHUM SHAWNEE BRAVE (SHAWNEE BRAVE BALD CYPRESS), 2-1/2" CALIPER BALLED AND BURLAPPED	EACH	14						14	
X	B2000767	TREE, AMELANCHIER X GRANDIFLORA AUTUMN BRILLIANCE (AUTUMN BRILLIANCE SERVICE BERRY), 8' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	17						17	
X	C2000436	SHRUB, ARONIA ARBUTIFOLIA BRILLIANTISSIMA (BRILLANT RED CHOKEBERRY), 3' HEIGHT, BALLED AND BURLAPPED	EACH	75						75	
X	C2001736	SHRUB, CORNUS SERICEA CARDINAL (CARDINAL REDOSIER DOGWOOD), 3' HEIGHT, BALLED AND BURLAPPED	EACH	39						39	
X	C2011600	SHRUB, VIBURNUM DENTATUM BLUE MUFFIN (BLUE MUFFIN ARROWHEAD), 3' HEIGHT, BALLED AND BURLAPPED	EACH	36						36	
X *	K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	10.3						10.3	
X *	K0013020	PERENNIAL PLANTS, PRAIRIE TYPE, GALLON POT	UNIT	3.2						3.2	

* SEE SPECIAL PROVISION

X SPECIALTY ITEM

MODULE: Default
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TERRA ENGINEERING LTD.	USER NAME = ColinC	DESIGNED - CC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
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	PLOT SCALE = 20.0000 ' / in.	CHECKED - ET	REVISED -	
	PLOT DATE = 1/30/2023	DATE - 2022/12/14	REVISED -	

SUMMARY OF QUANTITIES
FREEDOM PARKWAY

SCALE: 20.0000 ' / in. SHEET 10 OF 13 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	12
		CONTRACT NO. 89805		
		ILLINOIS FED. AID PROJECT		

		ITEM NUMBER	ITEM	UNIT	QUANTITY	CONSTRUCTION TYPE CODE 0001 80% FED 20% CITY ROADWAY	0021 80% FED 20% CITY SIDEWALK	0021 80% FED 20% CITY PAVT MKGS	0021 80% FED 20% CITY TRAFFIC SIGNALS	0021 80% FED 20% CITY LIGHTING	0031 80% FED 20% CITY LANDSCAPING	0043 80% FED 20% CITY WATER MAIN
	*	LR403200	BITUMINOUS MATERIALS (PRIME COAT)	TON	15.7						15.7	
X	*	X0100013	TRENCH BACKFILL, WATERMAIN	CU YD	210						210	
X	*	X0320023	CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	1				1			
X	*	X0322281	WIDE AREA VIDEO DETECTION SYSTEM COMPLETE	EACH	1				1			
X	*	X0325810	WIRELESS ETHERNET RADIO	EACH	2				2			
X	*	X0326263	EQUIPMENT CABINET	EACH	1					1		
X	*	X0326812	CAT 5 ETHERNET CABLE	FOOT	66				66			
X	*	X0327808	PLANTING SOIL MIX FURNISH AND PLACE, 18"	SQ YD	1056						1056	
	*	X0350805	FOLD DOWN BOLLARDS	EACH	1	1						
	*	X0350810	BOLLARD REMOVAL	EACH	3	3						
X	*	X1400127	CAT. 6 ETHERNET CABLE	FOOT	178				178			
X	*	X2500910	SEEDING, CLASS 1 (MODIFIED)	ACRE	0.25						0.25	
	*	X5012610	CONCRETE HEADWALL REMOVAL PARTIAL	EACH	1	1						
X	*	X5610662	WATER MAIN TO BE ABANDONED, 12"	FOOT	230							230

* SEE SPECIAL PROVISION

X SPECIALTY ITEM

MODEL: Default
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USER NAME = ColinC	DESIGNED - CC	REVISED -
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PLOT SCALE = 20.0000 ' / In.	CHECKED - ET	REVISED -
PLOT DATE = 1/30/2023	DATE - 2022/12/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
FREEDOM PARKWAY

SCALE: 20.0000 ' / In. SHEET 11 OF 13 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	13
		CONTRACT NO. 89805		
	ILLINOIS	FED. AID PROJECT		

					CONSTRUCTION TYPE CODE						
					0001	0021	0021	0021	0021	0031	0043
					80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY
	ITEM NUMBER	ITEM	UNIT	QUANTITY	ROADWAY	SIDEWALK	PAVT MKGS	TRAFFIC SIGNALS	LIGHTING	LANDSCAPING	WATER MAIN
X *	X5610700	WATER MAIN REMOVAL	FOOT	3503							3503
X *	X5630008	CUT AND CAP EXISTING 8" WATER MAIN	EACH	4							4
X *	X5630012	CUT AND CAP EXISTING 12" WATER MAIN	EACH	1							1
*	X6021065	INLETS, TYPE G-1, SPECIAL	EACH	29	29						
*	X6021814	INLET-MANHOLE, TYPE G-1, 4' DIAMETER	EACH	15	15						
*	X6021815	INLET-MANHOLE, TYPE G-1, 5' DIAMETER	EACH	8	8						
*	X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	9	9						
*	X6026051	SANITARY MANHOLES TO BE RECONSTRUCTED	EACH	1	1						
*	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1						
X *	X8250500	LIGHTING UNIT COMPLETE, SPECIAL	EACH	34					34		
X *	X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1				1			
X *	X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4				4			
*	Z0004002	BOLLARDS	EACH	2	2						
*	Z0007430	TEMPORARY SIDEWALK	SQ FT	1650		1650					

* SEE SPECIAL PROVISION

X SPECIALTY ITEM

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FILE NAME: c:\projects\2020\20-160-001 | Freedom Pkwy\Design\Plan Set - Drawings\110 - Sht01 - General\D426140-SHT-SQ0-012.dgn

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PLOT SCALE = 20.0000 ' / in.	CHECKED - ET	REVISED -	
PLOT DATE = 1/30/2023	DATE - 2022/12/14	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
FREEDOM PARKWAY

SCALE: 20.0000 ' / in. SHEET 12 OF 13 SHEETS STA. TO STA.

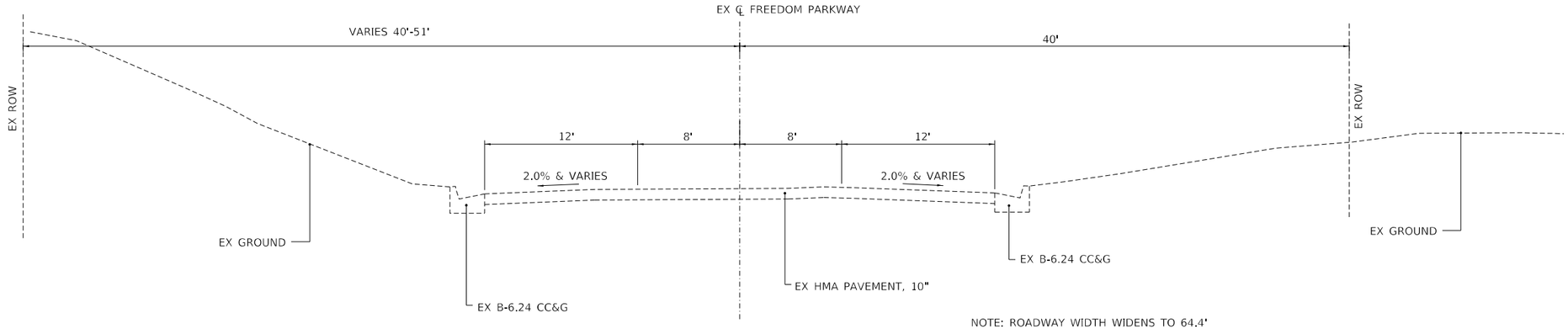
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	14
		CONTRACT NO. 89805		
	ILLINOIS FED. AID PROJECT			

					CONSTRUCTION TYPE CODE						
					0001	0021	0021	0021	0021	0031	0043
					80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY
ITEM NUMBER	ITEM	UNIT	QUANTITY	ROADWAY	SIDEWALK	PAVT MKGS	TRAFFIC SIGNALS	LIGHTING	LANDSCAPING	WATER MAIN
Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	373	373						
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1						
Z0033068	TRAFFIC SIGNAL BATTERY BACKUP SYSTEM	EACH	1				1			
Z0056648	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"	FOOT	36	36						
Z0056668	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 12"	FOOT	86	86						
Z0056669	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 15"	FOOT	8	8						
Z0056670	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 18"	FOOT	8	8						
Z0076600	TRAINEES	HOUR	1500							
Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1500							
XX009567	ELECTRIC CABLE IN CONDUIT, 600V, (XLP-TYPE USE) 4/C NO. 6 & 1/C NO. 6 GROUND	FOOT	3767					3767		
XX009568	ELECTRIC CABLE IN CONDUIT, 600V (XLP TYPE USE) 2/C NO. 6 & 1/C NO. 6 GROUND	FOOT	547					547		
X5610003	DUCTILE IRON WATER MAIN FITTINGS, 12" X 12" CROSS	EACH	1							1

0042

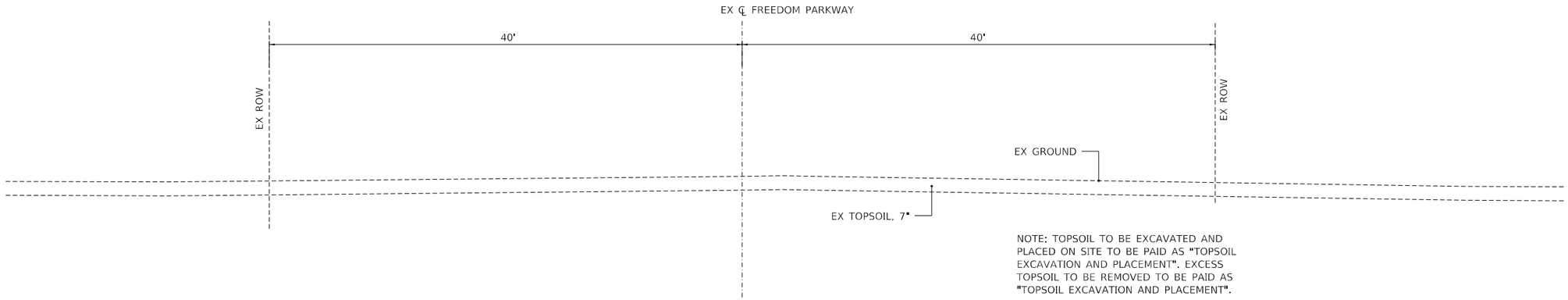
* SEE SPECIAL PROVISION

X SPECIALTY ITEM



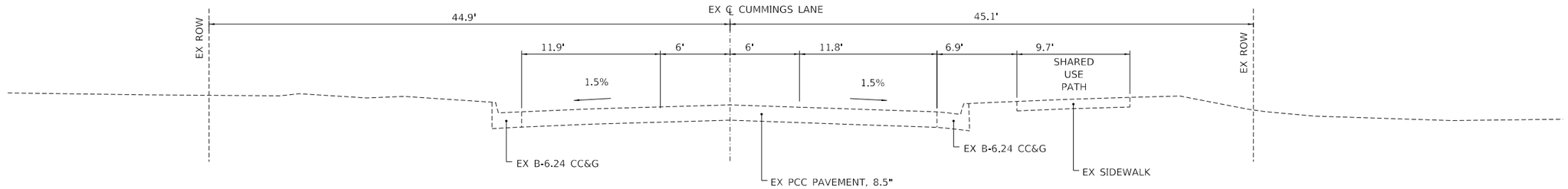
EXISTING TYPICAL SECTION
FREEDOM PARKWAY
STA. 9+05.10 TO STA. 21+28.57

NOTE: ROADWAY WIDTH WIDENS TO 64.4' TO THE SOUTHWEST AT ITS INTERSECTION APPROACH TO MCCLUGAGE ROAD TO ACCOMMODATE AUXILIARY LANES.



NOTE: TOPSOIL TO BE EXCAVATED AND PLACED ON SITE TO BE PAID AS "TOPSOIL EXCAVATION AND PLACEMENT". EXCESS TOPSOIL TO BE REMOVED TO BE PAID AS "TOPSOIL EXCAVATION AND PLACEMENT".

EXISTING TYPICAL SECTION
FREEDOM PARKWAY
STA. 21+28.57 TO STA. 55+90



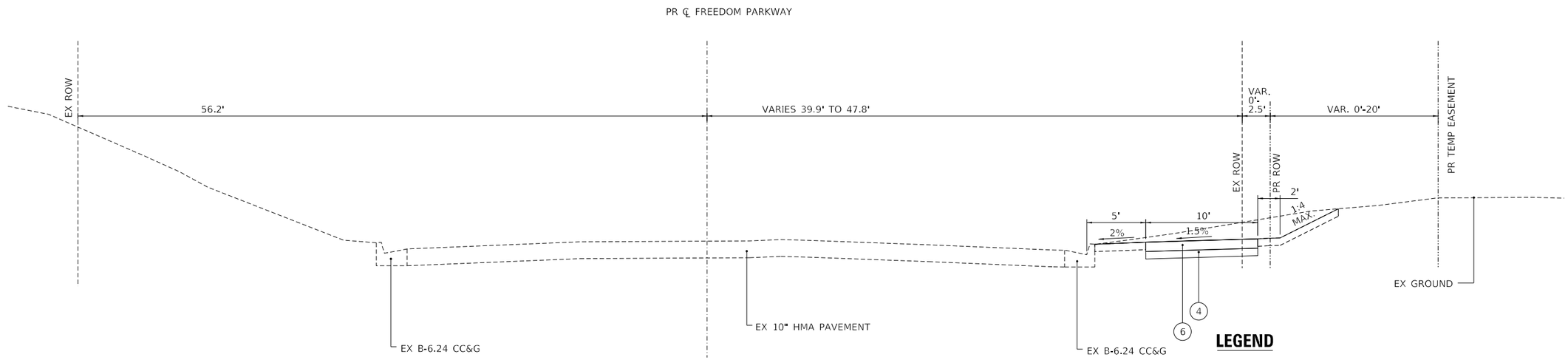
EXISTING TYPICAL SECTION
CUMMINGS LANE
STA. 68+49.80 TO STA. 74+18.59

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FILE NAME: pw:\\terraeng-pw.bentley.com:terraeng-pw01\Documents\Projects\2020\20-140-001 Freedom Pkwy\Design\100 - Drawings\110 - Sht\04 - Roadway\D420140-SHT-TYPICAL-01.dgn

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FILENAME = D420140-SHT-TYPICAL-01.dgn	DRAWN - AE	REVISED -	**DEPARTMENT OF TRANSPORTATION**	**FREEDOM PARKWAY**
PLOT SCALE = 5.0000 ' / in.	CHECKED - ET	REVISED -		SCALE: 5.0000 ' / in. SHEET 1 OF 3 SHEETS STA. TO STA.
PLOT DATE = 3/16/2023	DATE - 2023/03/17	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	16
		CONTRACT NO. 89805		
	ILLINOIS FED. AID PROJECT			



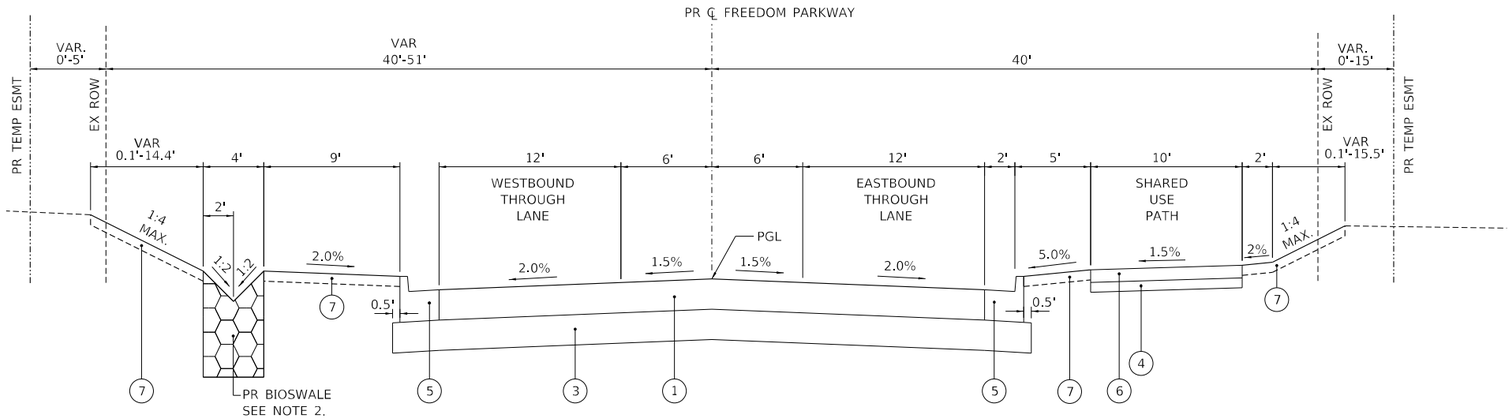
PROPOSED TYPICAL SECTION

①

PROPOSED FREEDOM PARKWAY SHARED-USE PATH
ALONG EXISTING FREEDOM PARKWAY
STA. 14+32.17 TO STA. 21+20.57

LEGEND

1. HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"
2. PORTLAND CEMENT CONCRETE PAVEMENT 8 1/2" (JOINTED)
3. AGGREGATE BASE COURSE, TYPE A 12"
4. AGGREGATE BASE COURSE, TYPE B 4"
5. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
6. PORTLAND CEMENT CONCRETE SIDEWALK, 5"
7. TOPSOIL EXCAVATION AND PLACEMENT, 4"



PROPOSED TYPICAL SECTION

②

PROPOSED FREEDOM PARKWAY
STA. 21+20.57 TO STA. 55+48.27

NOTES:

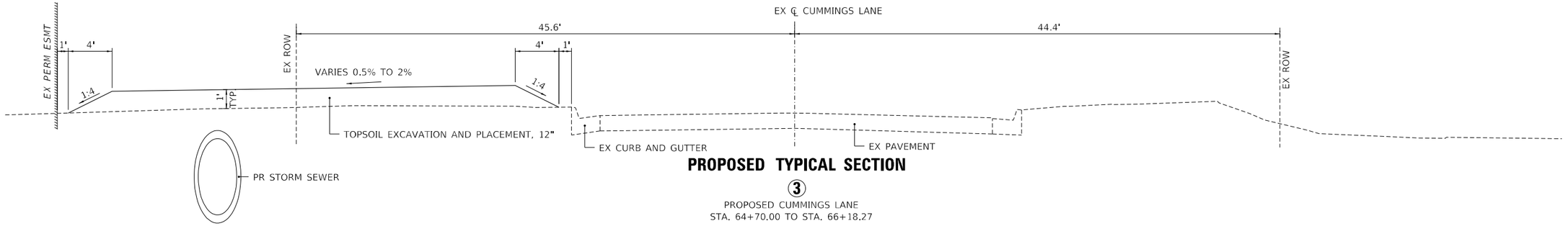
1. TWO-WAY LEFT TURN LANE WIDTH DECREASES FROM 8' TO 6' ON EITHER SIDE OF THE CENTERLINE FROM STA. 21+28.57 TO STA. 22+62.13
2. SEE LANDSCAPING PLAN DETAILS FOR ADDITIONAL INFORMATION ABOUT THE BIOSWALE. BIOSWALE STOPS AT STA. 41+00 AND RESUMES AT STA. 48+10. THE BIOSWALE IS ALSO GAPPED AT PROFILE CRESTS (20' GAPS).

MODEL: Default
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PLOT SCALE = 5.0000 ' / in.	CHECKED - ET	REVISED -		SCALE: 5.0000 ' / in. | SHEET 2 OF 3 SHEETS | STA. TO STA.
PLOT DATE = 3/16/2023	DATE - 2023/03/17	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	17
		CONTRACT NO. 89805		
	ILLINOIS	FED. AID PROJECT		

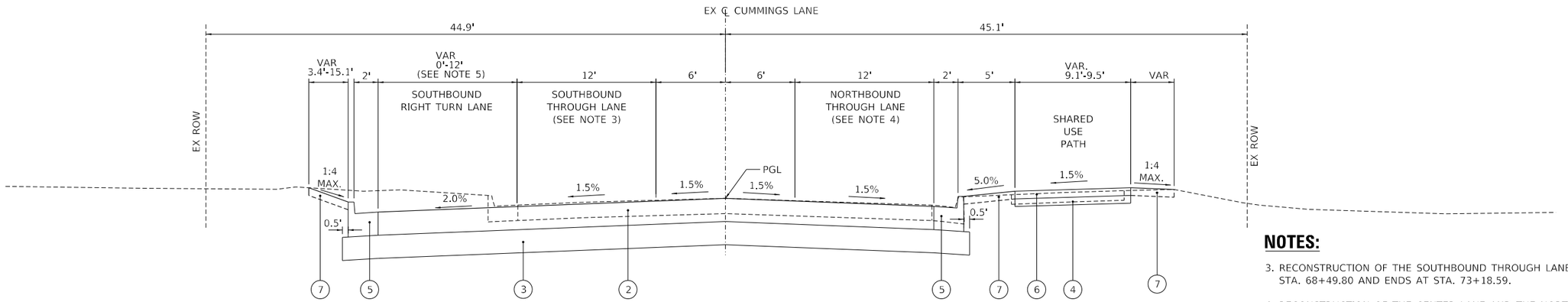


PROPOSED TYPICAL SECTION

③

PROPOSED CUMMINGS LANE
STA. 64+70.00 TO STA. 66+18.27

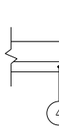
OMISSION: STA. 66+18.27 TO STA. 68+49.80 (NO PROPOSED GRADING OR ROADWAY RECONSTRUCTION; SEE DRAINAGE PLANS FOR PROPOSED DRAINAGE WORK)



PROPOSED TYPICAL SECTION

④

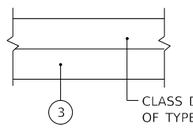
PROPOSED CUMMINGS LANE
STA. 68+49.80 TO STA. 74+18.59



PROPOSED TYPICAL SECTION

⑥

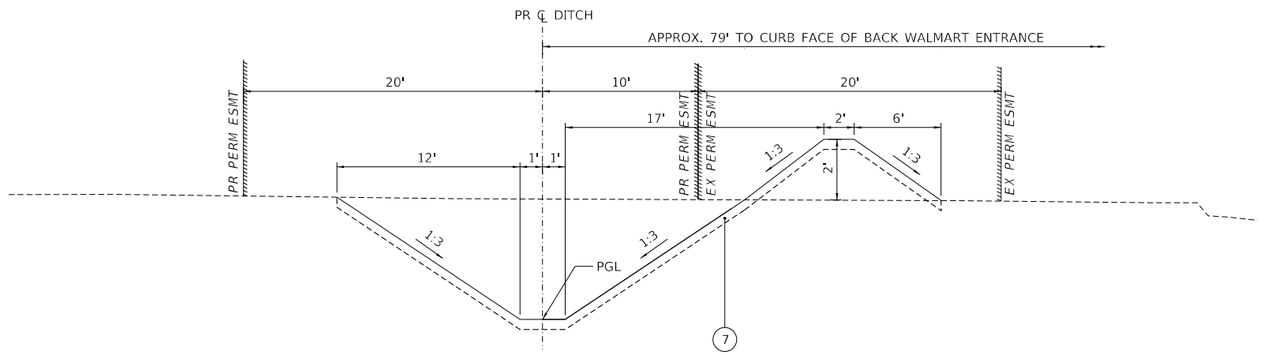
PROPOSED COMMERCIAL ENTRANCE
FREEDOM PKWY STA. 49+88.69, RT
CUMMINGS LN STA. 66+46.67, LT



PROPOSED TYPICAL SECTION

⑥

PAVEMENT PATCHES FOR CURB RAMP CONSTRUCTION
FREEDOM PKWY STA. 15+55, STA. 18+95, AND STA. 19+60,
RIGHT SIDE



PROPOSED TYPICAL SECTION

⑤

PROPOSED DITCH
STA. 401+62.56 TO STA. 407+27.68

NOTES:

3. RECONSTRUCTION OF THE SOUTHBOUND THROUGH LANE STARTS AT STA. 68+49.80 AND ENDS AT STA. 73+18.59.

4. RECONSTRUCTION OF THE CENTER LANE AND THE NORTHBOUND THROUGH LANE STARTS AT STA. 69+39.78 AND ENDS AT STA. 71+72.58.

5. A SOUTHBOUND RIGHT TURN LANE IS PROPOSED FROM STA. 70+47.59 TO STA. 73+18.59. WIDTH VARIES IN THE TURN LANE TAPER FROM 12' AT STA. 70+83.41 TO 0' AT STA. 73+18.59

LEGEND

1. HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"
2. PORTLAND CEMENT CONCRETE PAVEMENT 8 1/2" (JOINTED)
3. AGGREGATE BASE COURSE, TYPE A 12"
4. AGGREGATE BASE COURSE, TYPE B 4"
5. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
6. PORTLAND CEMENT CONCRETE SIDEWALK, 5"
7. TOPSOIL EXCAVATION AND PLACEMENT, 4"

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	PLOT SCALE = 5.0000 ' / in.	CHECKED - ET	REVISED -	
	PLOT DATE = 3/16/2023	DATE - 2023/03/17	REVISED -	

TYPICAL SECTIONS
FREEDOM PARKWAY

SCALE: 5.0000 ' / in. | SHEET 3 OF 3 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	18
		CONTRACT NO. 89805		
		ILLINOIS	FED. AID PROJECT	

CURB AND GUTTER

ROADWAY	FROM	TO	35101100 AGGREGATE BASE COURSE, TYPE A 12"	42001300 PROTECTIVE COAT	44000500 COMBINATION CURB AND GUTTER REM	60605000 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
			SQ YD	SQ YD	FOOT	FOOT
FREEDOM	14+44.61	18+00.00	17.8	17.8	52.1	52.1
FREEDOM	18+00.00	24+00.00	227.0	142.8	101.5	417.4
FREEDOM	24+00.00	29+50.00	376.6	376.6		1100.4
FREEDOM	29+50.00	35+00.00	376.6	376.6		1100.4
FREEDOM	35+00.00	41+00.00	410.8	410.8		1200.4
FREEDOM	41+00.00	47+00.00	410.6	410.8		1200.5
FREEDOM	47+00.00	53+00.00	411.0	410.8		1200.4
FREEDOM	53+00.00	55+49.64	171.7	171.7		501.8
CUMMINGS	68+49.80	70+00.00	81.2	80.8	210.6	236.1
CUMMINGS	70+00.00	73+18.59	171.5	171.5	491.7	501.1
		TOTAL	**2654.8**	**2570.3**	**855.9**	**7510.6**
		USE	**2655**	**2570**	**856**	**7511**

EARTHWORK SCHEDULE

LOCATION			20200100 EARTH EXCAVATION	EMBANKMENT (FILL)	EARTHWORK BALANCE: WASTE (+) OR SHORTAGE (-) (25% SHRINKAGE)	21101505 TOPSOIL EXCAVATION AND PLACEMENT	TOPSOIL PLACEMENT	TOPSOIL BALANCE: WASTE (+) OR SHORTAGE (-) (25% SHRINKAGE)
ALIGNMENT	START STATION	END STATION	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
FREEDOM	14+32.17	21+20.57	264	65	133	0	95	-95
FREEDOM	21+20.57	31+00.00	4,907	10	3,670	3,967	260	2,715
FREEDOM	31+00.00	44+00.00	3,701	149	2,627	3,382	325	2,212
FREEDOM	44+00.00	56+00.00	4,579	370	3,064	3,988	340	2,651
CUMMINGS	68+50.00	73+18.58	1,265	0	949	0	225	-225
DITCH	402+00.00	407+00.00	625	81	388	227	230	-60
		TOTAL	**15,341**	**675**	**10,831**	**11,564**	**1,475**	**7,198**
		USE	**15,345**	**675**	**10,835**	**11,565**	**1,475**	**7,200**

DRIVEWAYS

LOCATION	35101600 AGGREGATE BASE COURSE, TYPE B 4"	42001300 PROTECTIVE COAT	42300200 PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	44000200 DRIVEWAY PAVEMENT REMOVAL
	SQ YD	SQ YD	SQ YD	SQ YD
FREEDOM STA. 49+96.86, RT	105	105	105	
E. LEG FREEDOM/CUMMINGS				233.9
CUMMING STA. 66+46.08, LT	166.7	166.7	166.7	166.6
TOTAL	**271.7**	**271.7**	**271.7**	**400.5**
USE	**272**	**272**	**272**	**401**

PAVEMENT

ROADWAY	FROM	TO	35101100 AGGREGATE BASE COURSE TYPE A 12"	LR403200 BITUMINOUS MATERIALS (PRIME COAT)	40600295 POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	42000311 PORTLAND CEMENT CONCRETE PAVEMENT, 8 1/2" (JOINTED)	42001300 PROTECTIVE COAT	44000100 PAVEMENT REMOVAL	40701881 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"	44201765 CLASS D PATCHES, TYPE II, 10 INCH	44201771 CLASS D PATCHES, TYPE IV, 10 INCH
			SQ YD	TON	POUND	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD
FREEDOM	14+45.18	18+00.00	65.8	0.00	0.0						65.8
FREEDOM	18+00.00	24+00.00	1231.3	1.40	2678.4			36.6	1240.0	14.6	59.5
FREEDOM	24+00.00	29+50.00	2200.0	2.48	4752.0				2200.0		
FREEDOM	29+50.00	35+00.00	2200.0	2.48	4752.0				2200.0		
FREEDOM	35+00.00	41+00.00	2400.0	2.70	5184.0				2400.0		
FREEDOM	41+00.00	47+00.00	2400.0	2.70	5184.0				2400.0		
FREEDOM	47+00.00	53+00.00	2400.0	2.70	5184.0				2400.0		
FREEDOM	53+00.00	55+48.27	1035.6	1.17	2236.9				1035.6		
CUMMINGS	68+49.80	70+00.00	841.4			841.4	841.4	360.5			
CUMMINGS	70+00.00	73+18.59	1747.2			1747.2	1747.2	879.7			
		TOTAL	**16521.3**	**15.61**	**29971.3**	**2588.6**	**2588.6**	**1276.8**	**13375.6**	**14.6**	**125.3**
		USE	**16522**	**15.7**	**29972**	**2589**	**2589**	**1277**	**13876**	**15**	**126**

SIDEWALK SCHEDULE

LOCATION	FROM STATION	TO STATION	35101600 AGGREGATE BASE COURSE, TYPE B 4"	42001300 PROTECTIVE COAT	42400200 PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	44000600 SIDEWALK REMOVAL
			SQ YD	SQ YD	SQ FT	SQ FT
FREEDOM	14+45.18	18+00.00	263.6	263.6	2,372.6	
FREEDOM	18+00.00	24+00.00	590.5	590.5	5,314.2	
FREEDOM	24+00.00	29+50.00	592.8	592.8	5,335.0	
FREEDOM	29+50.00	35+00.00	604.5	604.5	5,440.6	
FREEDOM	35+00.00	41+00.00	666.7	666.7	6,000.0	
FREEDOM	41+00.00	47+00.00	666.7	666.7	6,000.0	
FREEDOM	47+00.00	53+00.00	588.9	588.9	5,300.0	
FREEDOM	53+00.00	55+48.27	332.9	332.9	2,996.0	
CUMMINGS	68+49.80	70+00.00	52.8	52.8	474.9	478.2
CUMMINGS	70+00.00	73+18.59	111.1	111.1	1,000.0	1,153.7
		TOTAL	**4,470.4**	**4,470.4**	**40,233.4**	**1,631.9**
		USE	**4,471**	**4,471**	**40,233**	**1,632**

TEMPORARY FENCE

ROADWAY	FROM STATION	TO STATION	TEMPORARY FENCE
			FOOT
FREEDOM	4630.77	4813.35	188.7
		TOTAL	**188.7**
		USE	**189**

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PLOT DATE = 3/16/2023	DATE - 2023/03/17	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES OF QUANTITIES
FREEDOM PARKWAY

SCALE: 20.0000 ' / in. SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	19
		CONTRACT NO. 89805		
	ILLINOIS	FED. AID PROJECT		

SIGNING SCHEDULE

ROADWAY	STATION	MOUNTING TYPE	SIGN	SIGN DESCRIPTION	OFFSET	SIDE	72000100 SIGN PANEL TYPE 1	72000200 SIGN PANEL TYPE 2	72400710 RELOCATE SIGN PANEL - TYPE 1	72800100 TELESCOPING STEEL SIGN SUPPORT	
					FT	LT / RT	SQ FT	SQ FT	SQ FT	FOOT	
FREEDOM	23+79.77	SIGN POST	W1-2	CURVE AHEAD	23.27	RT	9			17.75	
		SIGN POST	R7-1	NO PARKING ANY TIME			1.5				
FREEDOM	31+46.95	SIGN POST	W1-2	CURVE AHEAD	23.53	LT	9			17.75	
			R7-1	NO PARKING ANY TIME			1.5				
FREEDOM	49+64.22	LIGHT POLE	W3-3	SIGNAL AHEAD	23.75	RT	6.5				
			R7-1	NO PARKING ANY TIME			1.5				
CUMMINGS	65+95.09	SIGN POST	W3-3	SIGNAL AHEAD	23.74	RT	6.5			17	
			R7-1	NO PARKING ANY TIME			1.5				
CUMMINGS	70+39.9	WOOD SIGN POST	R1-1	STOP	49.9	RT			4		
CUMMINGS	73+17.58	SIGN POST	R3-7	RIGHT LANE MUST TURN RIGHT	23.58	LT	9			15	
CUMMINGS	74+82.21	SIGN POST	W3-3	SIGNAL AHEAD	23.96	LT	6.5			17	
			R7-1	NO PARKING ANY TIME			1.5				
CUMMINGS	69+43.28	MAST ARM	R10-l109	LEFT TURN YIELD ON FLASHING YELLOW ARROW	5	LT	6.25				*
CUMMINGS	70+40.87	MAST ARM	R10-l109	LEFT TURN YIELD ON FLASHING YELLOW ARROW	4	RT	6.25				*
CUMMINGS	69+94.78	MAST ARM	R10-l109	LEFT TURN YIELD ON FLASHING YELLOW ARROW	41.56	RT	6.25				*
FREEDOM	55+73.75	MAST ARM	R10-l109	LEFT TURN YIELD ON FLASHING YELLOW ARROW	5.38	LT	6.25				*
CUMMINGS	69+44.22	SIGNAL POLE	R10-3e	PEDESTRIAN PUSH BUTTON SIGN	42.45	LT					*†
CUMMINGS	69+54.11	SIGNAL POLE	R10-3e	PEDESTRIAN PUSH BUTTON SIGN	41.43	RT					*†
CUMMINGS	69+70.19	SIGNAL POLE	R10-3e	PEDESTRIAN PUSH BUTTON SIGN	40.29	RT					*†
FREEDOM	70+36.07	SIGNAL POLE	R10-3e	PEDESTRIAN PUSH BUTTON SIGN	42.9	RT					*†
CUMMINGS	69+77.25	MAST ARM		STREET SIGN: CUMMINGS	41.82	RT		13.75			*
CUMMINGS	69+43.28	MAST ARM		STREET SIGN: FREEDOM	35.68	LT		12.5			*
CUMMINGS	70+40.87	MAST ARM		STREET SIGN: FREEDOM	44.56	RT		12.5			*
FREEDOM	55+73.75	MAST ARM		STREET SIGN: CUMMINGS	39.07	LT		13.75			*
						TOTAL	**79.0**	**52.5**	**4**	**84.5**	
						USE	**79**	**53**	**4**	**85**	

* NOTE: QUANTITIES FOR THESE SIGNS ARE ALSO SCHEDULED ON THE TRAFFIC SIGNAL SCHEDULE ON THE TRAFFIC SIGNAL PLANS.

† NOTE: SIGN IS INCLUDED IN "ACCESSIBLE PEDESTRIAN SIGNALS" PAY ITEM.

EROSION CONTROL

ROADWAY	FROM	TO	25100115 MULCH, METHOD 2	28000250 TEMPORARY EROSION CONTROL SEEDING	28000400 PERIMETER EROSION BARRIER	28000500 INLET AND PIPE PROTECTION	Z0013797 STABILIZED CONSTRUCTION ENTRANCE
			ACRE	POUND	FOOT	EACH	SQ YD
FREEDOM	12+00.00	18+00.00	0.17	14.7	264.9	4	
FREEDOM	18+00.00	24+00.00	0.51	50.6	802.6	7	205.6
FREEDOM	24+00.00	29+50.00	0.33	32.9	1104.5	7	
FREEDOM	29+50.00	35+00.00	0.40	40.4	1109.5	9	
FREEDOM	35+00.00	41+00.00	0.47	47.0	1205	10	
FREEDOM	41+00.00	47+00.00	0.54	54.4	1213.1	7	
FREEDOM	21+20.57	53+00.00	0.44	44.4	1223.1	11	
FREEDOM	53+00.00	55+50.00	0.21	20.9	507.5	5	166.7
CUMMINGS	68+49.80	70+00.00	0.44	43.9	517.5	5	
CUMMINGS	70+00.00	73+18.59	0.16	16.0	419.6	7	
DITCH	400+97.62	407+35.23	0.59	59.5	1313.3	0	
		TOTAL	**4.3**	**424.6**	**9680.6**	**72.0**	**372.3**
		USE	**4.5**	**425**	**9681**	**72**	**373**

CONTRACT LUMP SUM ITEMS & FIELD OFFICE

	67000400 ENGINEER'S FIELD OFFICE, TYPE A	67100100 MOBILIZATION	X7010216 TRAFFIC CONTROL AND PROTECTION (SPECIAL)	Z0013798 CONSTRUCTION LAYOUT
	CAL MO	L SUM	L SUM	L SUM
	18	1	1	1
TOTAL	**18**	**1**	**1**	**1**
USE	**18**	**1**	**1**	**1**

BOLLARDS

LOCATION	X0350805 FOLD DOWN BOLLARDS	X0350810 BOLLARD REMOVAL	Z0040C2 BOLLARDS
	EACH	EACH	EACH
CUMMINGS STA. 70+31.67, 55.3' RT	1		
CUMMINGS STA. 70+26.22, 55.5' RT		1	1
CUMMINGS STA. 70+31.67, 55.3' RT		1	
CUMMINGS STA. 70+37.10,55.2' RT		1	1
TOTAL	**1**	**3**	**2**
USE	**1**	**3**	**2**

VALVE BOXES TO BE ADJUSTED

LOCATION	EXISTING ELEVATION	PROPOSED ELEVATION	60266600 VALVE BOXES TO BE ADJUSTED
			EACH
CUMMING STA 70+24.39, 54.59' RT	806.01	805.26	1
		TOTAL	**1**
		USE	**1**

PAVEMENT MARKINGS

LOCATION			78009000 MOD URETH PM LETTERS & SYMBOLS	78009004 MOD URETH PM LINE 4			78009008 MOD URETH PM LINE 8	78009012 MOD URETH PM LINE 12	78009024 MOD URETH PM LINE 24	78011000 GRV RCSE PM LTR & SYM	78011025 GRV RCSE PVT MARKG 5"	78011045 GRV RCSE PVT MARKG 9"	78011065 GRV RCSE PVT MARKG 13"	78011125 GRV RCSE PVT MARKG 25"	78300202 PVT MARKG RMV - WB
ROADWAY	STATION	STATION	MODIFIED URETHANE PAVEMENT MARKING LETTER AND SYMBOLS	YELLOW MODIFIED URETHANE PAVEMENT MARKING 4" SOLID LINE	YELLOW MODIFIED URETHANE PAVEMENT MARKING 4" LINE 30' SKIPPED. 10' DASH	DOUBLE YELLOW MODIFIED URETHANE PAVEMENT MARKING LINE 4" SOLID	WHITE MODIFIED URETHANE PAVEMENT MARKING, 8" LINE SOLID	WHITE MODIFIED URETHANE PAVEMENT MARKING, 12" LINE SOLID	WHITE MODIFIED URETHANE PAVEMENT MARKING, 24" LINE SOLID	GROOVING FOR RECESSED PAVEMENT MARKING - LETTERS AND SYMBOLS	GROOVING FOR RECESSED PAVEMENT MARKING 5"	GROOVING FOR RECESSED PAVEMENT MARKING 9"	GROOVING FOR RECESSED PAVEMENT MARKING 13"	GRCOVING FOR RECESSED PAVEMENT MARKING 25"	PAVEMENT MARKING REMOVAL - WATER BLASTING
			SQ FT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	FOOT	FOOT	FOOT	FOOT	SQ FT
FREEDOM	11+00.00	18+00.00	17.6	286.3	71.6	192.6	56.5			24.8	550.5	56.5			596.1
FREEDOM	18+00.00	24+00.00	44.0	1200.0	300.0				146.3	62.0	1500.0			146.3	267.1
FREEDOM	24+00.00	29+50.00	44.0	1100.0	275.0					62.0	1375.0				
FREEDOM	29+50.00	35+00.00	44.0	1100.0	275.0					62.0	1375.0				
FREEDOM	35+00.00	41+00.00	35.2	1200.0	300.0					49.6	1500.0				
FREEDOM	41+00.00	47+00.00	52.8	1200.0	300.0					74.4	1500.0				
FREEDOM	47+00.00	53+00.00	44.0	959.8	240.0	240.2				62.0	1440.0				
FREEDOM	53+00.00	56+32.71	35.2			559.6	304.8		39.3	49.6	559.6	304.8		39.3	
CUMMINGS	63+00.00	69+00.00	26.4	510.1	127.5	410.0	145.0			37.2	1047.6	145.0			416.6
CUMMINGS	69+00.00	80+00.00	105.3	1078.7	269.7	746.7	567.9	54.1	333.3	148.8	2095.1	567.9	54.1	333.3	621.2
		SUB-TOTAL	448.5	8634.9	2158.7	2149.1	1074.2	54.1	518.8	632.4	12942.8	1074.2	54.1	518.8	1901.1
		PAY-ITEM TOTAL	448.5	12942.8			1074.2	54.1	518.8	632.4	12942.8	1074.2	54.1	518.8	1901.1
		USE	449	12943			1075	55	519	633	12943	1075	55	519	1902

DETECTABLE WARNINGS

LOCATION	42400800 DETECTABLE WARNINGS
	SQ FT
FREEDOM/MENARDS ENT., E CORNER	36.1
FREEDOM/MENARDS BACK ENT., S CORNER	35.4
FREEDOM/MENARDS BACK ENT., E CORNER	26.9
FREEDOM/CUMMINGS, SW CORNER	20.0
FREEDOM/CUMMINGS, SE CORNER, S RAMP	20.0
FREEDOM/CUMMINGS, SE CORNER, N RAMP	25.6
FREEDOM/CUMMINGS, NE CORNER	20.4
TOTAL	**184.0**
USE	**185**

NOTES

1. SEE DRAINAGE PLANS FOR DRAINAGE SCHEDULES OF QUANTITIES.
2. SEE MAINTENANCE OF TRAFFIC PLANS FOR MAINENANCE OF TRAFFIC SCHEDULE OF QUANTITIES.
3. SEE LIGHTING PLANS FOR LIGHTING SCHEDULES OF QUANTITIES.
4. SEE TRAFFIC SIGNAL PLANS FOR TRAFFIC SIGNAL SCHEDULE OF QUANTITIES.

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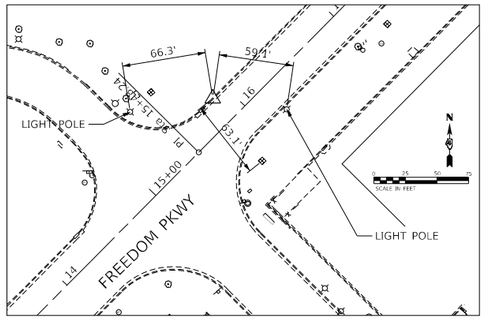
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

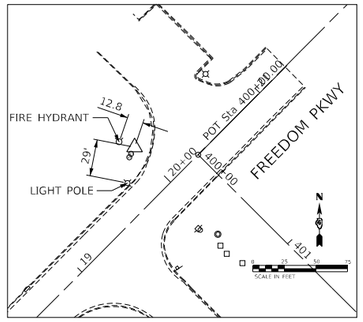
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FREEDOM PARKWAY

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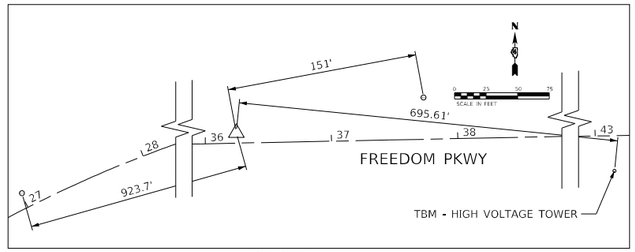
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6745	20-00128-02-PV	Tazewell	147	20
		CONTRACT NO. 89805		
	ILLINOIS FED. AID PROJECT			



PT #1

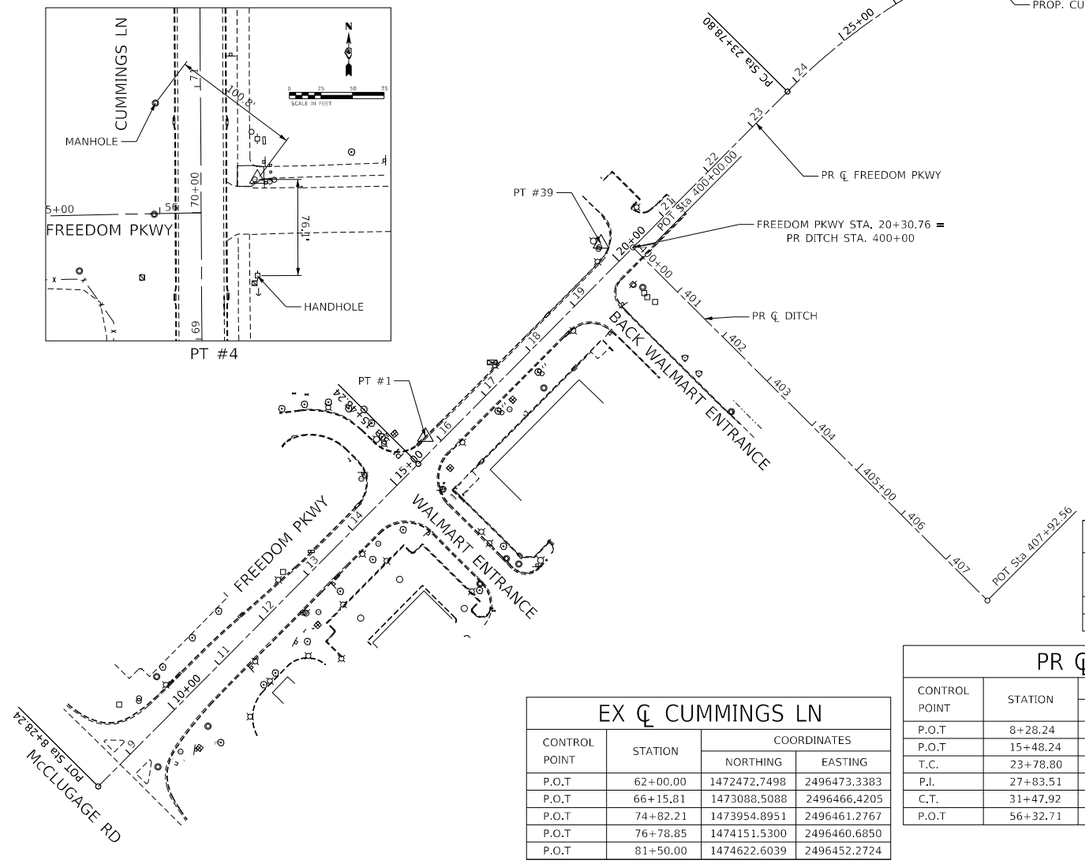


PT #39



PT #75

PT #4



PROP. CURVE 1
PI STA. = 27+83.51
Δ = 44° 04' 01" (RT)
D = 5° 43' 46"
R = 1,000.00'
L = 769.11'
E = 78.79'
e = N.C
T.R. = N/A
S.E. RUN = N/A
P.C. STA. = 23+78.80
P.T. STA. = 31+47.92

PR ℄ DITCH

CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
P.O.T	400+00.00	1472879.0536	2493045.2013
P.O.T	407+92.56	1472319.8681	2493606.8672

EX ℄ CUMMINGS LN

CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
P.O.T	62+00.00	1472472.7498	2496473.3383
P.O.T	66+15.81	1473088.5088	2496466.4205
P.O.T	74+82.21	1473954.8951	2496461.2767
P.O.T	76+78.85	1474151.5300	2496460.6850
P.O.T	81+50.00	1474622.6039	2496452.2724

PR ℄ FREEDOM PKWY

CONTROL POINT	STATION	COORDINATES		CURVE DATA	
		NORTHING	EASTING	PARA-METER	CURVE 1
P.O.T	8+28.24	1472025.3066	2492198.3412	C I R C U L A R C U R V E S	
P.O.T	15+48.24	1472536.4351	2492705.4384	R	1000.0000
T.C.	23+78.80	1473126.1832	2493290.2711	°C	44° 04' 01.24"
P.I.	27+83.51	1473413.5490	2493575.2418	TC	404.7066
C.T.	31+47.92	1473421.8322	2493979.8637	L	769.1144
P.O.T	56+32.71	1473472.6889	2496464.1396	L.C.	750.2974

CONTROL POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
PT #1	1472579.19	2492716.59	817.06	CHIS "X" ON TOP OF CURB
PT #39	1472885.04	2492994.78	814.95	5/8" ROD
PT #75	1473439.32	2494456.41	806.195	12" SPIKE
PT #4	1473498.95	2496508.60	817.39	MAG NAIL

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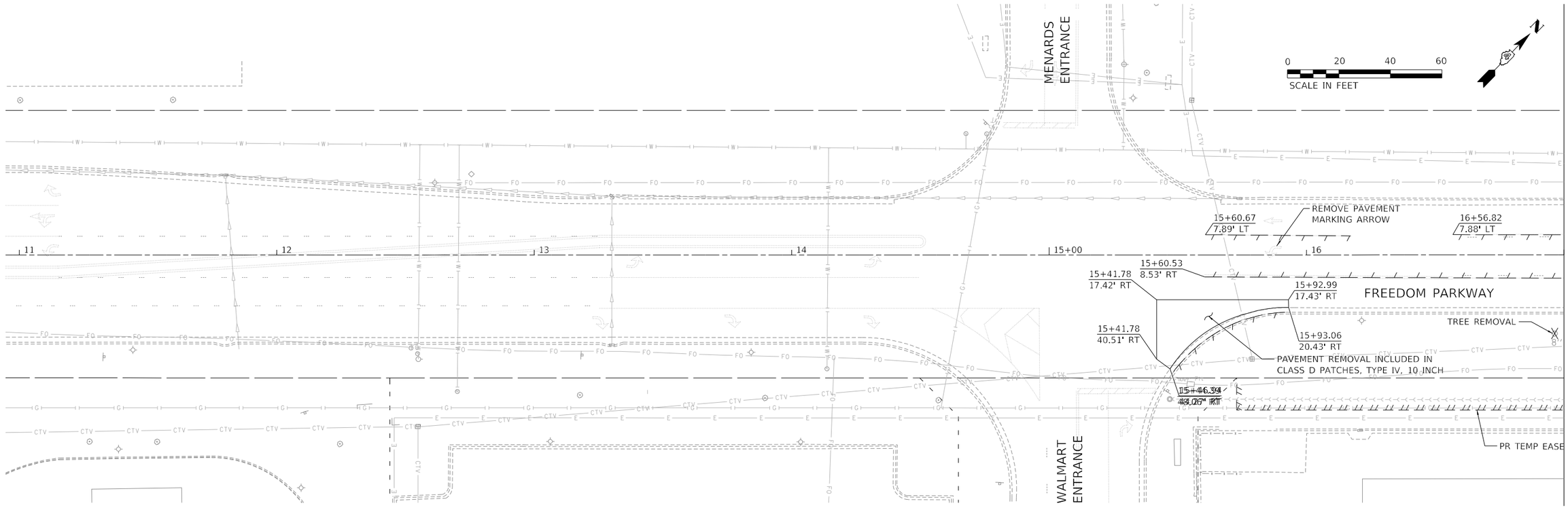
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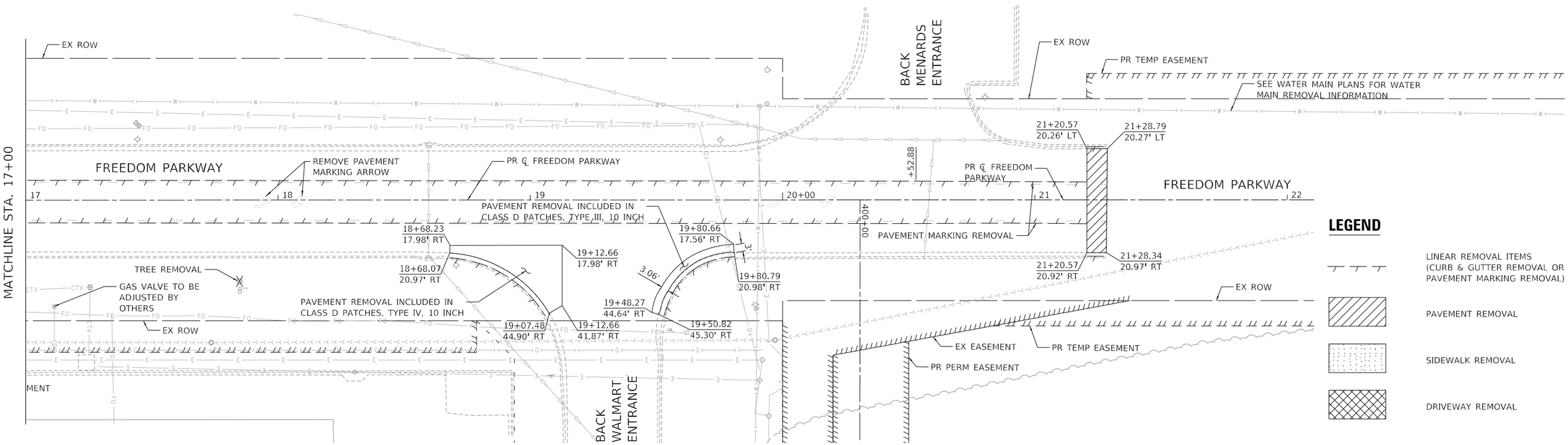
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, BENCHMARKS, AND TIES
FREEDOM PARKWAY

SCALE: 120.0000 ' / in. SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	21
		CONTRACT NO. 89805		
	ILLINOIS	FED. AID PROJECT		





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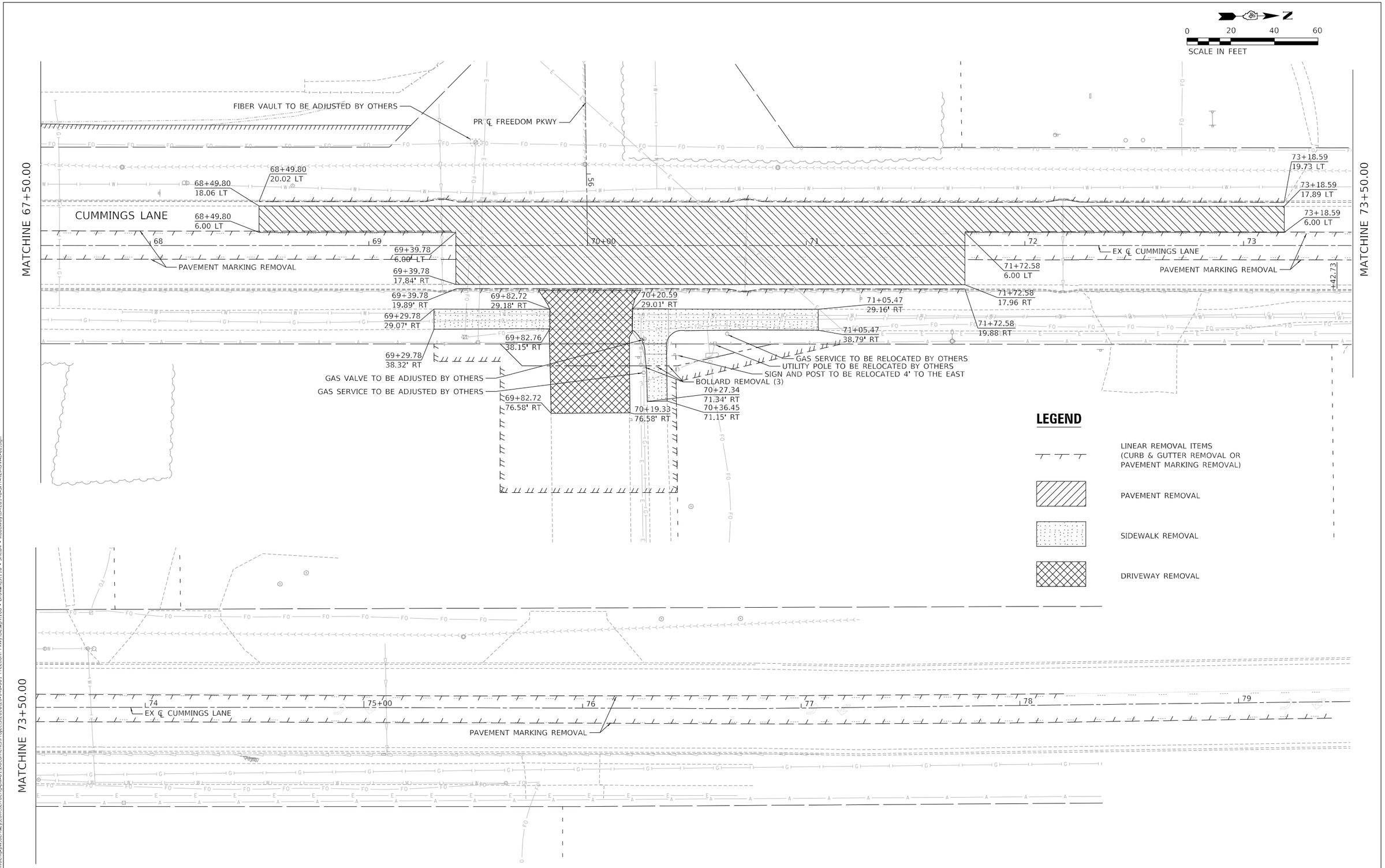
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLANS
FREEDOM PARKWAY

SCALE: 20.0000 ' / in. SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 89805		
		ILLINOIS	FED. AID PROJECT	



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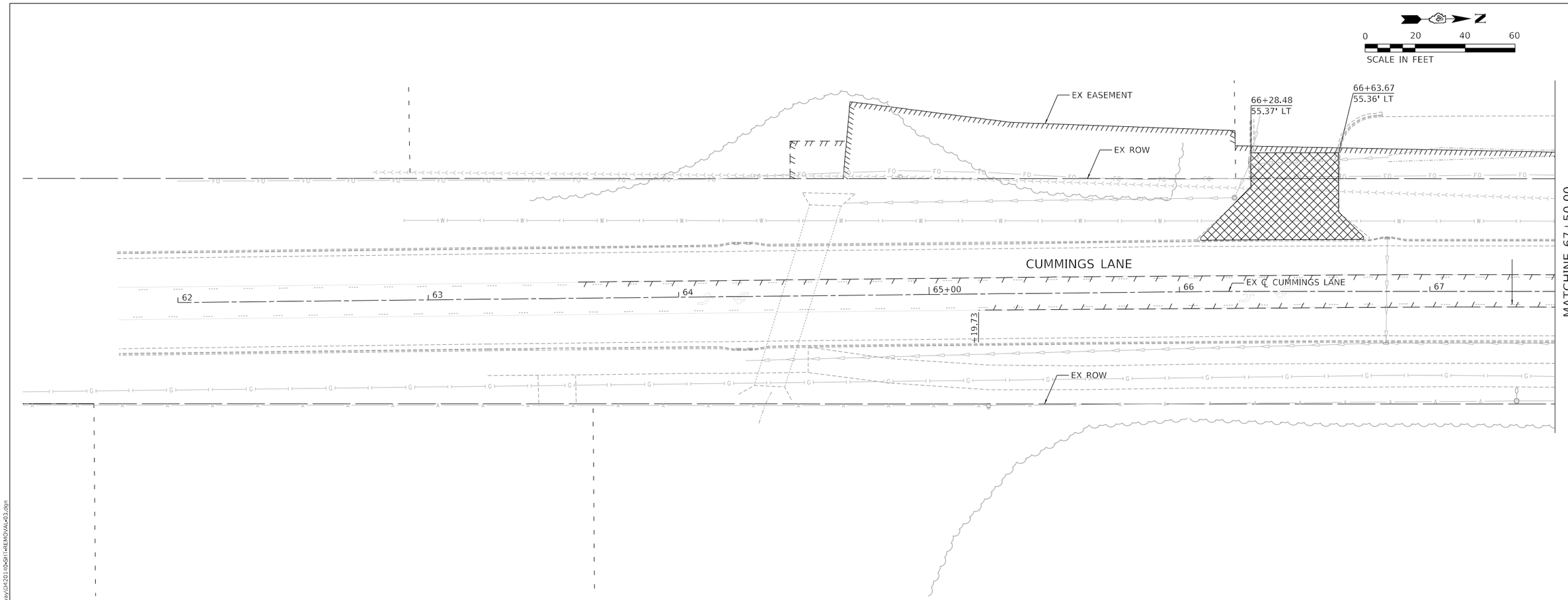
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLANS
FREEDOM PARKWAY

SCALE: 20.0000 ' / in. SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	23
		CONTRACT NO. 89805		
		ILLINOIS	FED. AID PROJECT	



LEGEND

- LINEAR REMOVAL ITEMS (CURB & GUTTER REMOVAL OR PAVEMENT MARKING REMOVAL)
- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- DRIVEWAY REMOVAL

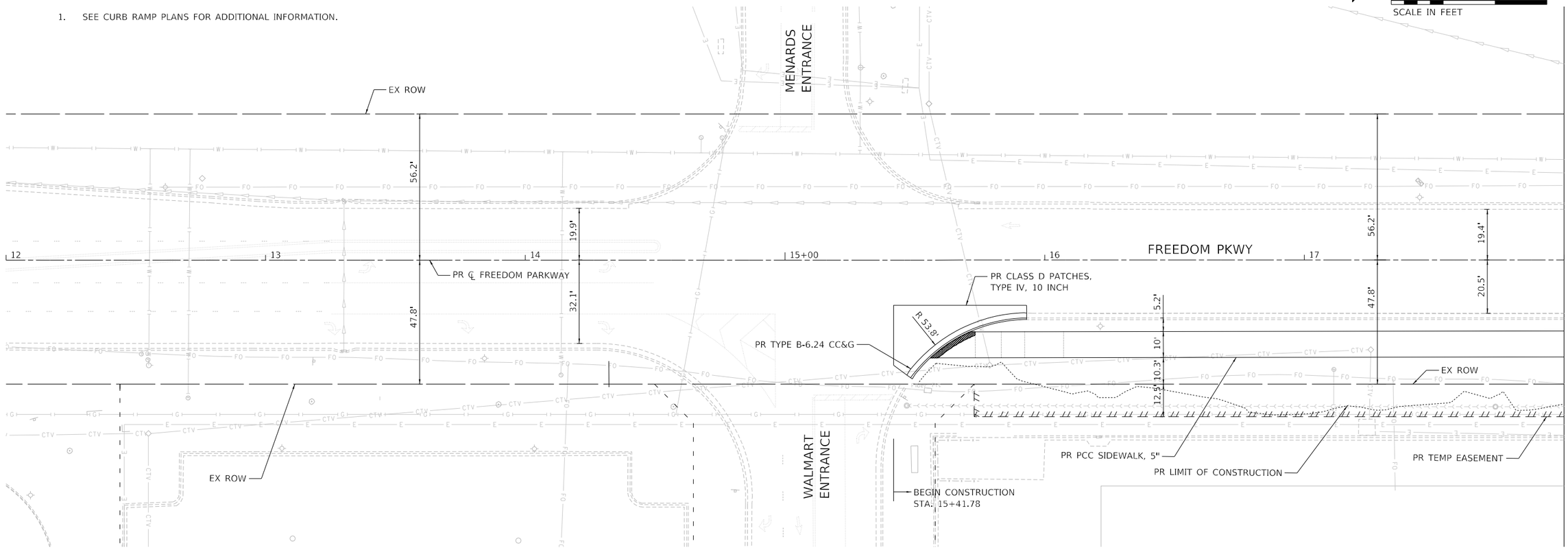
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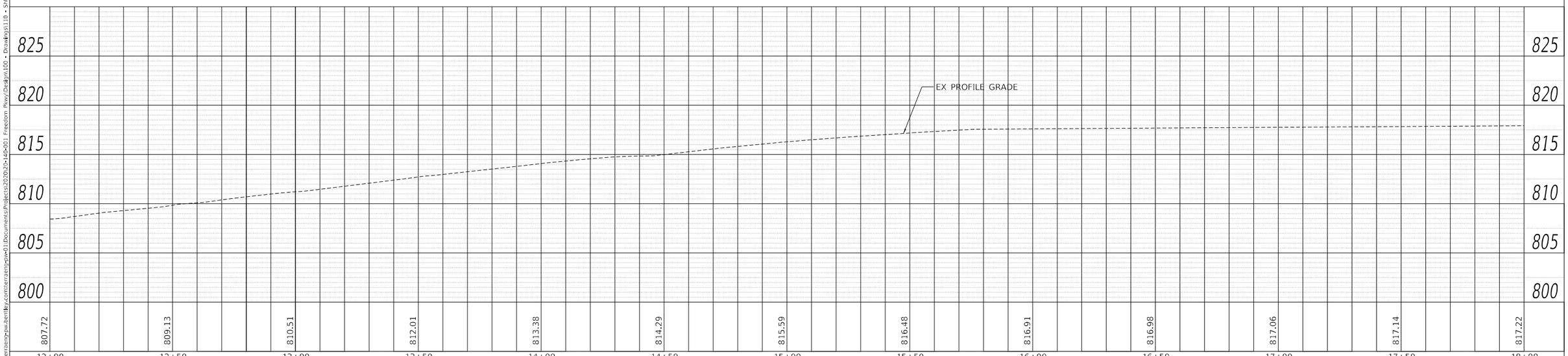
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		CONTRACT NO. 89805		
	ILLINOIS	FED. AID PROJECT		

NOTE:

1. SEE CURB RAMP PLANS FOR ADDITIONAL INFORMATION.





PLAN
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PLOTTED
CROSS CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
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PLOT DATE	= 3/16/2023	DATE	- 2023/03/17	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
FREEDOM PARKWAY

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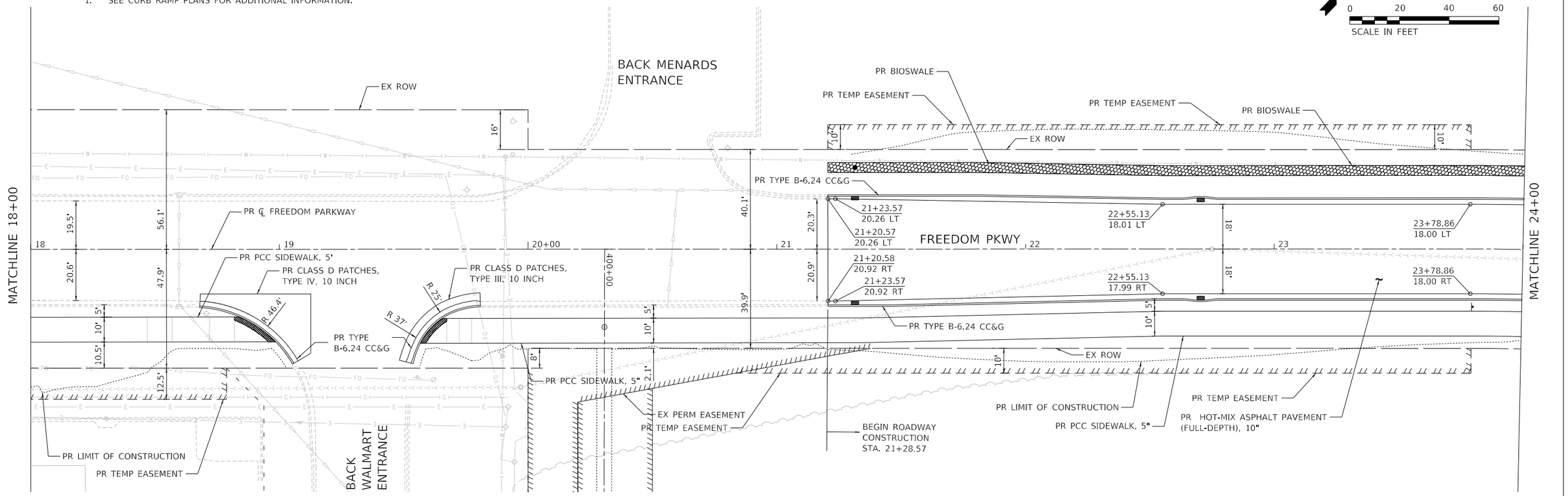
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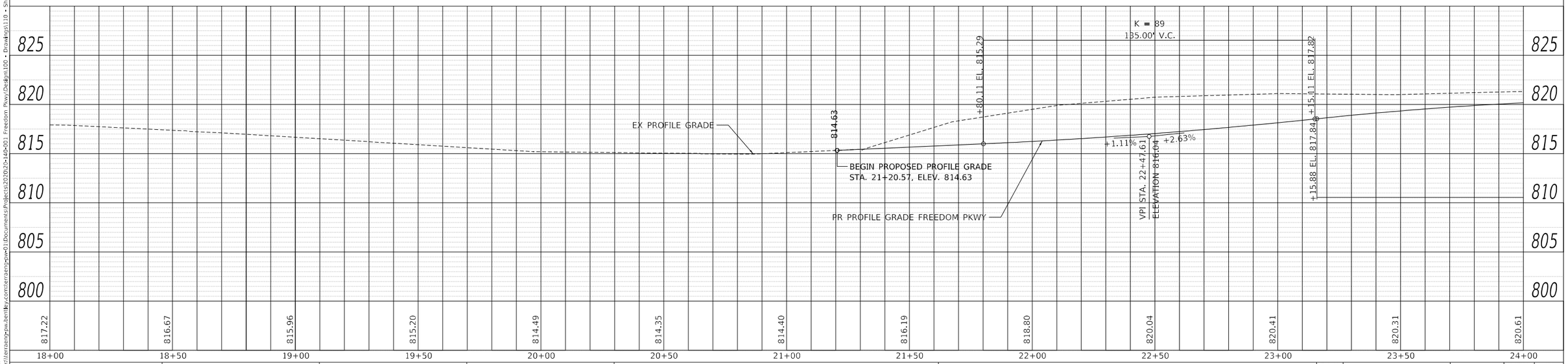
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ILLINOIS | FED. AID PROJECT

NOTES:

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TERRA ENGINEERING LTD.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
FREEDOM PARKWAY

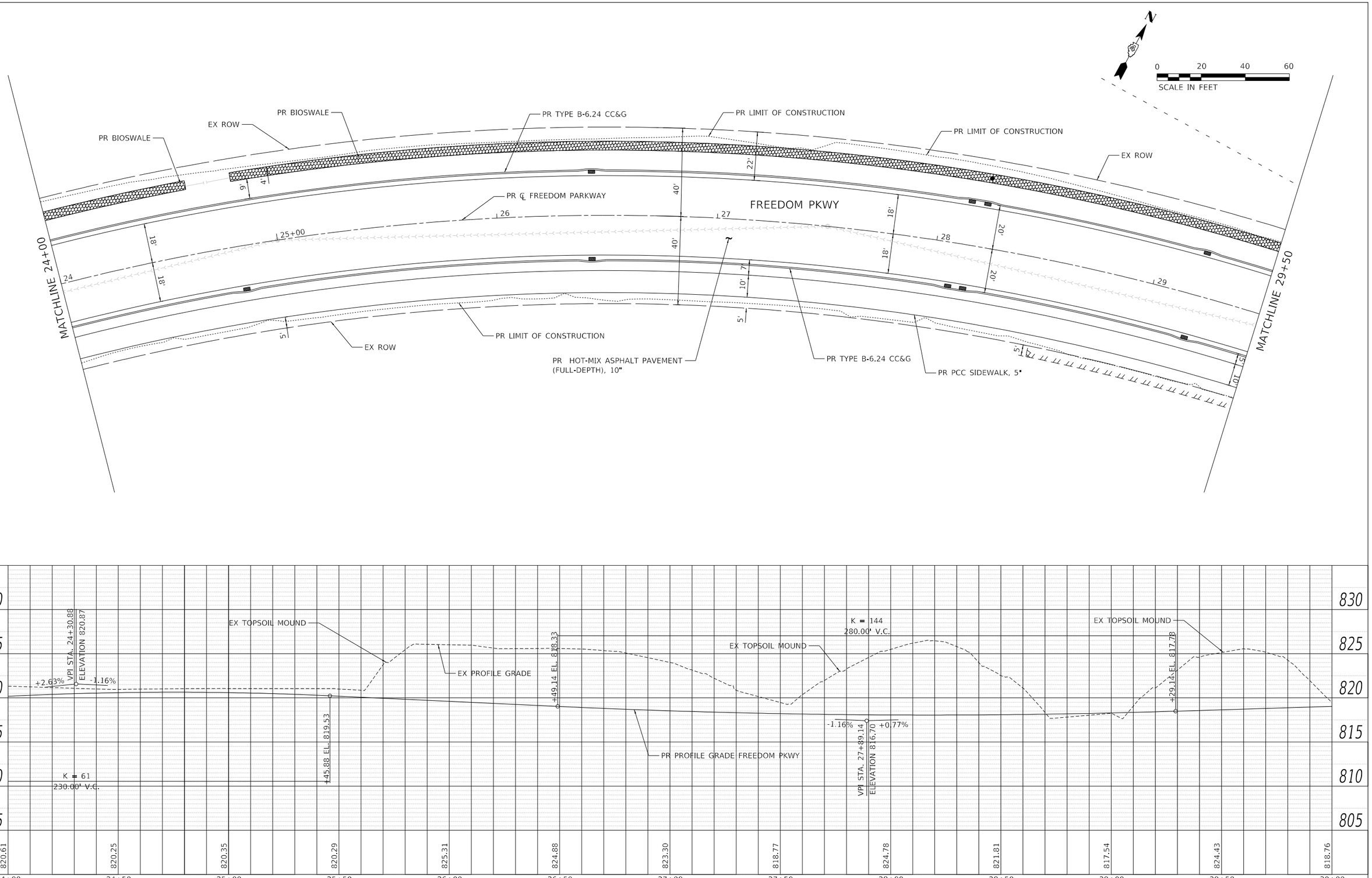
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 89805		
		ILLINOIS FED. AID PROJECT		

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PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NOTATNS CHKD, NOTE BOOK, NO., BY, DATE

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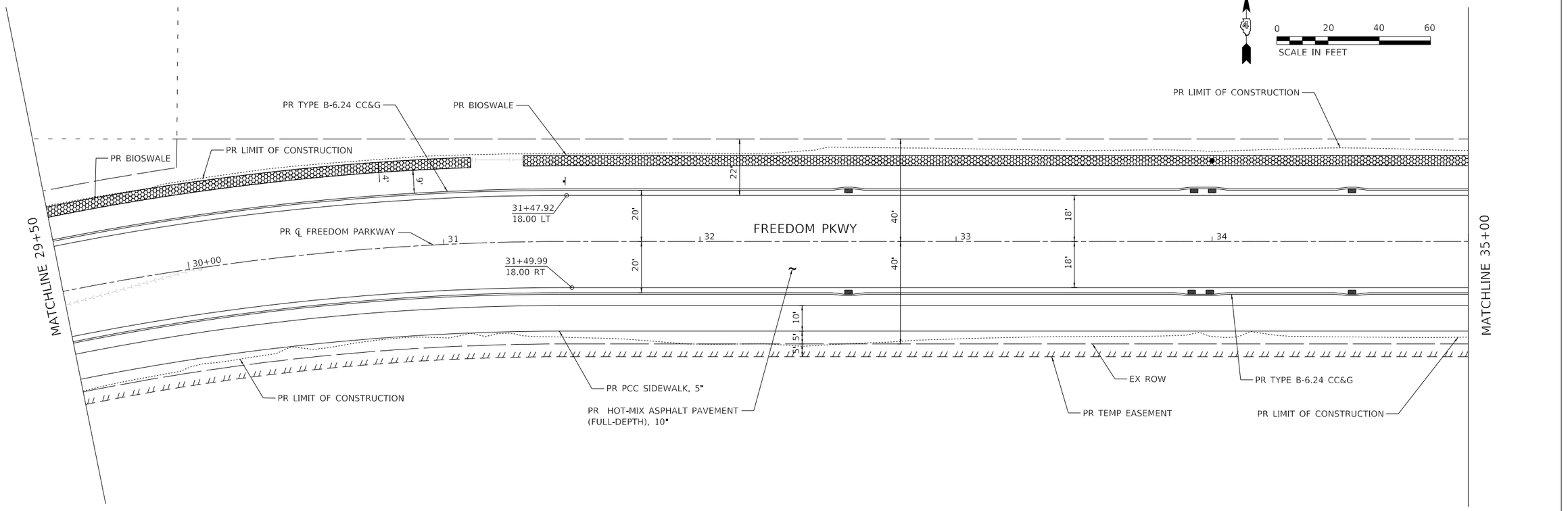
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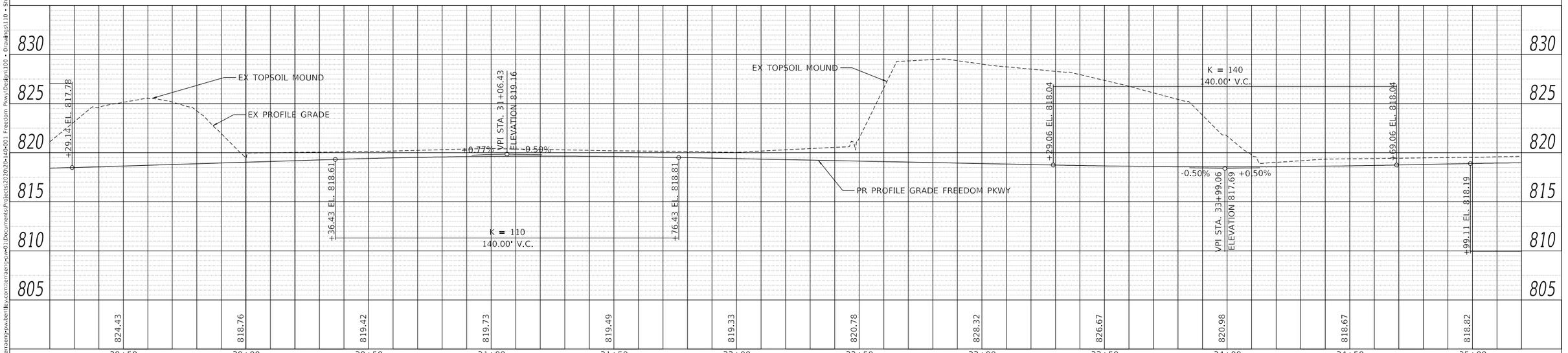
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	27
		CONTRACT NO. 89805		
	ILLINOIS	FED. AID PROJECT		





PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
CROSSES CHECKED
B.M. NOTED
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NOTE BOOK
NO.
BY
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
FREEDOM PARKWAY

SCALE: 20.0000 ' / in. SHEET 4 OF 9 SHEETS STA. 29+50 TO STA. 35+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	28
		CONTRACT NO. 89805		
	ILLINOIS FED. AID PROJECT			

N

0 20 40 60

SCALE IN FEET

PR BIOSWALE

PR LIMIT OF CONSTRUCTION

EX ROW

PR TEMP EASEMENT

PR TYPE B-6.24 CC&G

EX ROW

MATCHLINE 35+00

MATCHLINE 41+00

35+00 36 37 38 FREEDOM PKWY 39 40+00

PR ℄ FREEDOM PARKWAY

5' 9' 4' 6.4" 5' 40' 18' 20' 18' 20' 10' 5' 40' 6.4" 4' 5'

PR LIMITS OF CONSTRUCTION

PR TEMP EASEMENT

PR PCC SIDEWALK, 5"

EX ROW

PR HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"

PR TYPE B-6.24 CC&G

5'

PROFILE

SURVEYED
PLOTTED
DRAWN
CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD

NOTE BOOK
NO.

BY DATE

825 820 815 810 805 800

VPI STA. 35+71.61
ELEVATION 818.56

+0.59% -1.82%

K = 62
145.00' V.C.

+44.11 EL. 817.24

PR PROFILE GRADE FREEDOM PKWY

EX PROFILE GRADE

+95.47 EL. 812.66

K = 80
230.00' V.C.

-1.82% +1.05%

VPI STA. 40+10.47
ELEVATION 810.56

+25.47 EL. 811.77

819.02 818.85 817.53 816.06 815.02 813.77 812.97 812.18 811.65 811.41 811.40 811.28 811.41

35+50 36+00 36+50 37+00 37+50 38+00 38+50 39+00 39+50 40+00 40+50 41+00 41+50

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PLOT DATE	= 3/16/2023	DATE	- 2023/03/17	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
FREEDOM PARKWAY

SCALE: 20.0000 ' / in. SHEET 5 OF 9 SHEETS STA. 35+00 TO STA. 41+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	29
		CONTRACT NO. 89805		
	ILLINOIS FED. AID PROJECT			

N

0 20 40 60

SCALE IN FEET

PR TEMP EASEMENT
EX ROW
PR LIMIT OF CONSTRUCTION
TYPE B-6.24 CC&G
PR TEMP EASEMENT
PR LIMIT OF CONSTRUCTION
EX ROW
PR TEMPORARY FENCE
+30.00
46+30.77
40.00' LT
46+38.19
32.58' LT
5%
7.4'
9'
TYPE B-6.24 CC&G
MATCHLINE 41+00
MATCHLINE 47+00
20'
+35.25
FREEDOM PKWY
18'
40'
41
42
43
44
45+00
46
PR ℄ FREEDOM PARKWAY
PR ℄ FREEDOM PARKWAY
10'
5'
5'
EX ROW
PR TEMP EASEMENT
PR TEMP EASEMENT
PR HOT-MIX ASPHALT PAVEMENT
(FULL-DEPTH), 10"
PR LIMIT OF CONSTRUCTION
EX ROW
PR ROW

PROFILE

+25.47 EL. 811.77
+75.78 EL. 813.34
PR PROFILE GRADE FREEDOM PKWY
+1.05%
VPI STA. 44+45.78
ELEVATION 815.13
-1.45%
EX PROFILE GRADE
K = 136
340.00' V.C.
+15.78 EL. 812.66

825 820 815 810 805 800

811.28 811.41 811.42 812.52 815.93 815.39 815.74 815.65 815.45 812.31 812.57 815.77 815.68

41+00 41+50 42+00 42+50 43+00 43+50 44+00 44+50 45+00 45+50 46+00 46+50 47+00

TERRA ENGINEERING LTD.	USER NAME = AlphonseE	DESIGNED - CC	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**PLAN AND PROFILE FREEDOM PARKWAY**
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	PLOT DATE = 3/16/2023	DATE - 2023/03/17	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	30
		CONTRACT NO. 89805		
	ILLINOIS FED. AID PROJECT			

PLAN: SURVEYED, PLOTTED, CROSS CHECKED, R/W AGENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE: SURVEYED, PLOTTED, CROSS CHECKED, B.M. NOTED, STRUCTURE NOTATIONS CHKD, NOTE BOOK, NO., BY, DATE

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MATCHLINE 47+00

EX ROW

PR TEMPORARY FENCE

48+05.93
32.58' LT

+10.00

48+13.35
40.00' LT

20'

6.4'

4'

9'

PR BIOSWALE

PR LIMIT OF CONSTRUCTION

PR TEMP EASEMENT

5'

PR TYPE B-6.24 CC&G

40'

20'

40'

20'

47

48

49

50+00

FREEDOM PKWY

51

52

18'

18'

PR ℄ FREEDOM PARKWAY

+53.69

5'

10'

5'

10'

5'

15'

5'

10'

30' C.E.
+88.69

+23.69

10'

5'

5'

10'

5'

PR TEMP EASEMENT

EX ROW

PR PCC SIDEWALK, 5"

PR LIMIT OF CONSTRUCTION

SEE DETAIL A

PR TYPE
B-6.24
CC&G

PR HOT-MIX ASPHALT PAVEMENT
(FULL-DEPTH), 10"

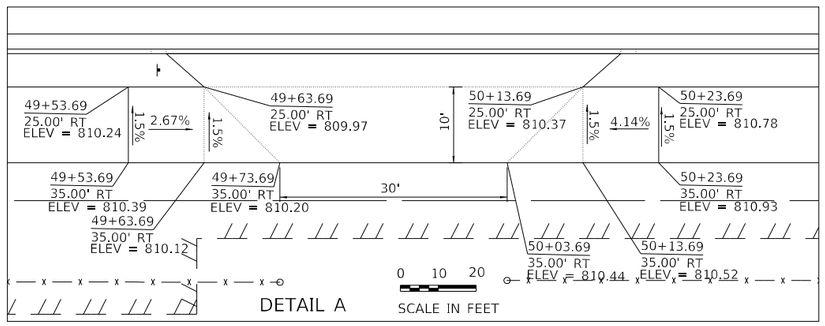
PR PCC DRIVEWAY PAVEMENT,
8 INCH

PR PCC SIDEWALK, 5"

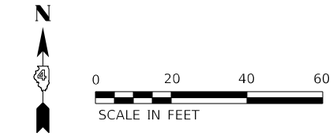
EX ROW

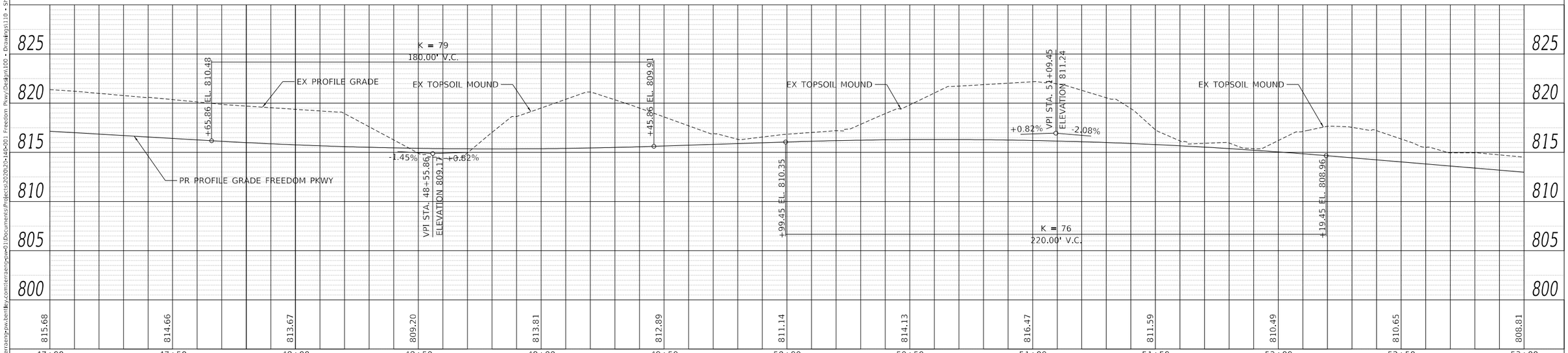
PR TEMP EASEMENT

MATCHLINE 53+00



DETAIL A





PROFILE
SURVEYED
PLOTTED
ALIGNMENT CHECKED
R/T. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
R/T. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.

BY
DATE

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

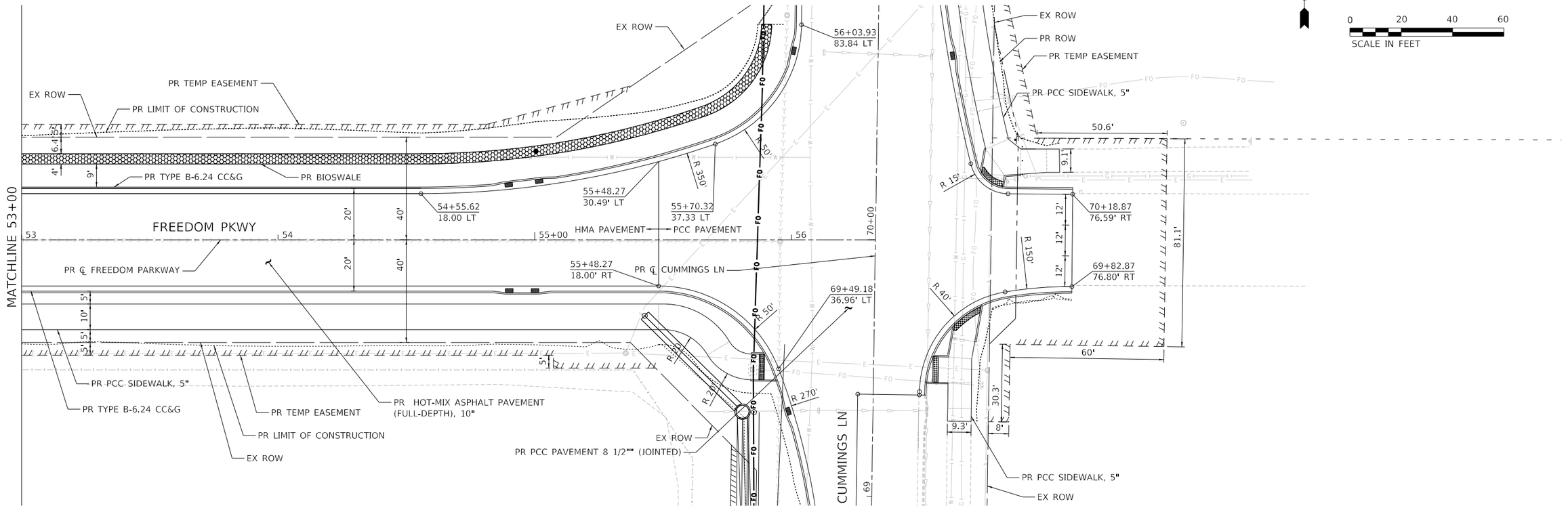
PLAN AND PROFILE
FREEDOM PARKWAY

SCALE: 20.0000 ' / in. SHEET 7 OF 9 SHEETS STA. 47+00 TO STA. 53+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	31
		CONTRACT NO. 89805		
		ILLINOIS FED. AID PROJECT		

NOTE:

1.SEE CURB RAMP PLANS FOR ADDITIONAL INFORMATION.



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	PLOT DATE = 3/16/2023	DATE - 2023/03/17	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
FREEDOM PARKWAY

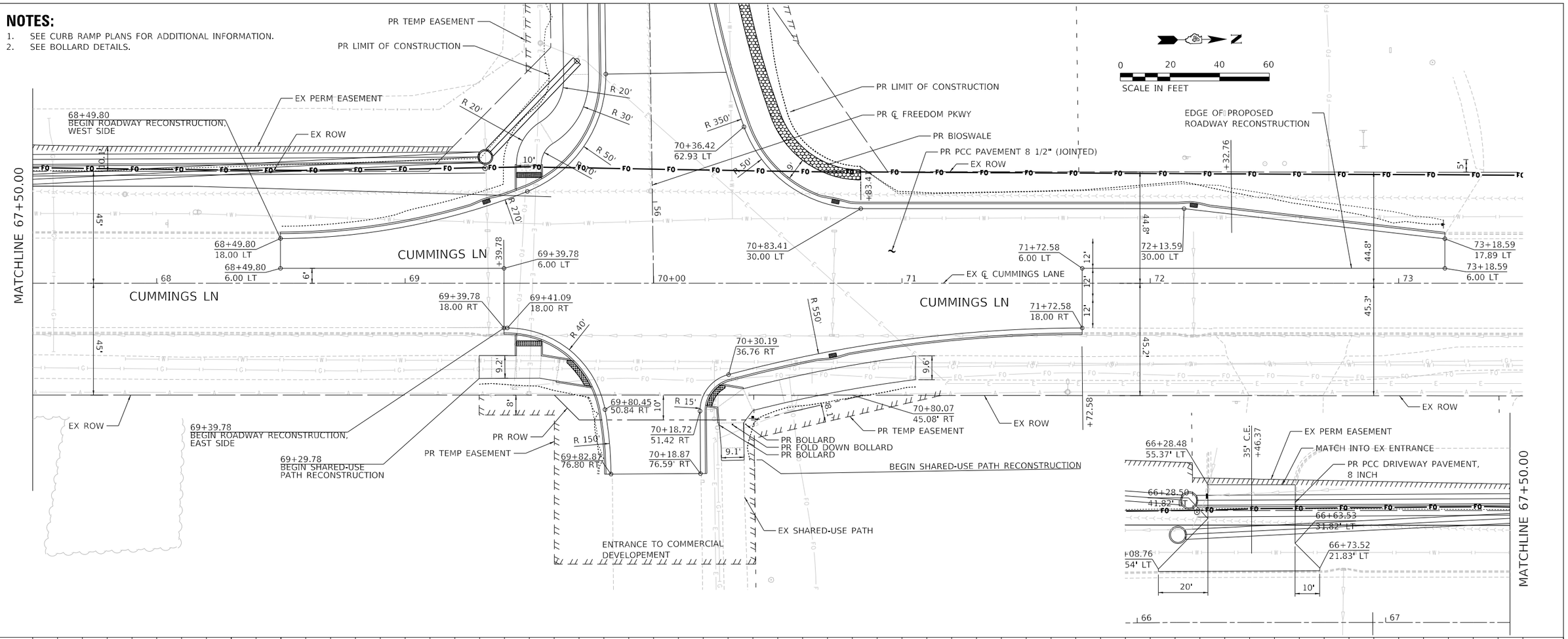
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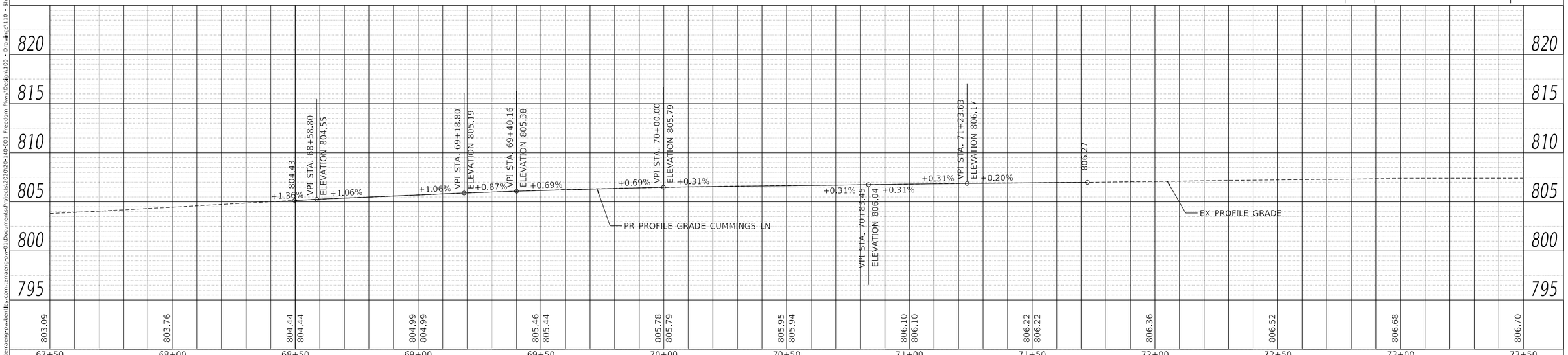
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	32
		CONTRACT NO. 89805		
		ILLINOIS	FED. AID PROJECT	

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NOTES:

1. SEE CURB RAMP PLANS FOR ADDITIONAL INFORMATION.
2. SEE BOLLARD DETAILS.





PLAN — SURVEYED; PLOTTED; CROSS CHECKED; ALIGNMENT CHECKED; RT. OF WAY CHECKED; CADD FILE NAME; NOTE BOOK; NO.; BY; DATE

PROFILE — SURVEYED; PLOTTED; CROSS CHECKED; B.M. NOTED; STRUCTURE NOTATNS CHKD; NOTE BOOK; NO.; BY; DATE

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	PLOT DATE = 3/16/2023	DATE - 2023/03/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
FREEDOM PARKWAY

SCALE: 20.0000 ' / in. SHEET 9 OF 9 SHEETS STA. 67+50 TO STA. 73+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	33
		CONTRACT NO. 89805		
	ILLINOIS FED. AID PROJECT			

PR TEMP EASEMENT

EX EASEMENT

EXISTING STORM SEWER, 24" REMOVAL - 15 LF

EX ROW

EXISTING STORM SEWER, 24" REMOVAL - 153 LF

CONCRETE HEADWALL REMOVAL PARTIAL, 20 LF.
SEE DRAINAGE PLANS.

EXISTING FIELD TILE, 8", REMOVE ± 34 LF FROM
CUMMINGS INLET FOR RECONNECTION TO S61.

PR ℄ FREEDOM PKWY

PI Sta 66+15.81

CUMMINGS LN

EX ℄ CUMMINGS LANE

64 | 65+00 | 66 | 67 | 68 | 69

ADJ

EX ROW

PR ROW

PR TEMP EASEMENT

MATCHLINE 70+00

MATCHLINE 70+00

56

ADJ

70+00
POT Sta 56+32.71

71 | EX ℄ CUMMINGS LANE | 72 | CUMMINGS LN | 73 | 74 | 75+00

PI Sta 74+82.21

EX ROW

EX ROW

PR ROW

PR TEMP EASEMENT

0 20 40 60
SCALE IN FEET

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE REMOVAL
CUMMINGS LANE

SCALE: 20.0000 ' / in. SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	34
		CONTRACT NO. 12345		
	ILLINOIS FED. AID PROJECT			

STORM SEWER PIPE

ROADWAY	FROM	TO	542A0217	550A0160	550A0180	550A0340	550A0360	550A0380	550A0400	550A0410	550A0420	550A0430	550A0450	550B0040	550B0120	Z0056648	Z0056668	Z0056669	Z0056670
			PIPE CULVERTS, CLASS A, TYPE 1, 12"	STORM SEWERS, CLASS A, TYPE 1, 36"	STORM SEWERS, CLASS A, TYPE 1, 42"	STORM SEWERS,0 CLASS A, TYPE 2, 12"	STORM SEWERS, CLASS A, TYPE 2, 15"	STORM SEWERS, CLASS A, TYPE 2, 18"	STORM SEWERS, CLASS A, TYPE 2, 21"	STORM SEWERS, CLASS A, TYPE 2, 24"	STORM SEWERS, CLASS A, TYPE 2, 27"	STORM SEWERS, CLASS A, TYPE 2, 30"	STORM SEWERS, CLASS A, TYPE 2, 36"	STORM SEWERS, CLASS B, TYPE 1, 10"	STORM SEWERS, CLASS B, TYPE 1, 24"	STORM SEWERS, WATER MAIN QUALITY PIPE, TYPE 1, 12"	STORM SEWERS, WATER MAIN QUALITY PIPE, TYPE 2, 12"	STORM SEWERS, WATER MAIN QUALITY PIPE, TYPE 2, 15"	STORM SEWERS, WATER MAIN QUALITY PIPE, TYPE 2, 18"
			FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT
FREEDOM	18+00.00	24+00.00	0	0	0	75	0	0	0	438	0	0	0	0	0	0	9	0	0
FREEDOM	24+00.00	29+50.00	0	0	0	173	36	161	0	153	0	0	0	0	0	0	12	0	0
FREEDOM	29+50.00	35+00.00	0	0	0	247	298	0	0	0	0	0	0	0	0	0	13	0	0
FREEDOM	35+00.00	41+00.00	0	0	0	73	0	197	164	0	66	0	0	0	0	0	15	0	8
FREEDOM	41+00.00	47+00.00	0	0	0	108	0	0	0	0	425	164	0	0	0	0	0	0	0
FREEDOM	47+00.00	53+00.00	0	0	0	72	0	35	0	0	0	157	381	0	0	0	20	8	0
FREEDOM	53+00.00	55+48.27	0	0	0	0	38	0	0	0	0	0	315	8	0	0	17	0	0
CUMMINGS	68+49.80	70+00.00	0	303	141	0	0	0	0	0	0	0	0	0	3	11	0	0	0
CUMMINGS	70+00.00	74+82.21	0	0	0	0	0	0	0	0	0	0	0	0	0	25	0	0	0
DITCH	400+00.00	406+00.00	20	0	0	0	0	0	0	143	0	0	0	0	0	0	0	0	0
DITCH	406+00.00	407+92.56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STORM SEWER STRUCTURES

ROADWAY	FROM	TO	54213657	54213669	54213687	60207605	60221100	60223800	60260100	60260400	X6021065	X6021824	X6021825
			PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 42"	CATCH BASINS, TYPE C, TYPE 8 GRATE	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	INLETS TO BE ADJUSTED	NLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	INLETS, TYPE G-1, SPECIAL	INLETS - MANHOLE, TYPE G-1, SPECIAL, 4'	INLETS - MANHOLE, TYPE G-1, SPECIAL, 5'
			EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
FREEDOM	18+00.00	24+00.00	0	0	0	1	1	0	0	0	2	2	0
FREEDOM	24+00.00	29+50.00	0	0	0	1	0	0	0	0	4	5	0
FREEDOM	29+50.00	35+00.00	0	0	0	1	0	0	0	0	8	0	0
FREEDOM	35+00.00	41+00.00	0	0	0	2	0	0	0	0	3	5	0
FREEDOM	41+00.00	47+00.00	0	0	0	0	0	0	0	0	3	1	2
FREEDOM	47+00.00	53+00.00	0	0	0	2	0	0	0	0	4	1	4
FREEDOM	53+00.00	55+48.27	0	0	0	1	2	0	0	0	1	1	2
CUMMINGS	68+49.80	70+00.00	0	0	1	0	0	2	1	1	1	0	0
CUMMINGS	70+00.00	74+82.21	0	0	0	0	0	0	0	3	3	0	0
DITCH	400+00.00	406+00.00	2	1	0	0	0	0	0	0	0	0	0
DITCH	406+00.00	407+92.56	0	0	0	0	0	0	0	0	0	0	0

SANITARY SEWER STRUCTURES

ROADWAY	FROM	TO	54213657	X6026050
			SANITARY MANHOLES TO BE RECONSTRUCTED	SANITARY MANHOLES TO BE ADJUSTED
			EACH	EACH
FREEDOM	18+00.00	24+00.00	1	0
FREEDOM	24+00.00	29+50.00	0	2
FREEDOM	29+50.00	35+00.00	0	1
FREEDOM	35+00.00	41+00.00	0	0
FREEDOM	41+00.00	47+00.00	0	2
FREEDOM	47+00.00	53+00.00	0	1
FREEDOM	53+00.00	55+48.27	0	3
CUMMINGS	68+49.80	70+00.00	0	0
CUMMINGS	70+00.00	74+82.21	0	0
DITCH	400+00.00	406+00.00	0	0
DITCH	406+00.00	407+92.56	0	0

STORM SEWER REMOVALS

ROADWAY	FROM	TO	55100300	55101200	60500040
			STORM SEWER REMOVAL 8"	STORM SEWER REMOVAL 24"	REMOVING MANHOLES
			FOOT	FOOT	EACH
CUMMINGS	64+51.45	70+00.00	34	168	1

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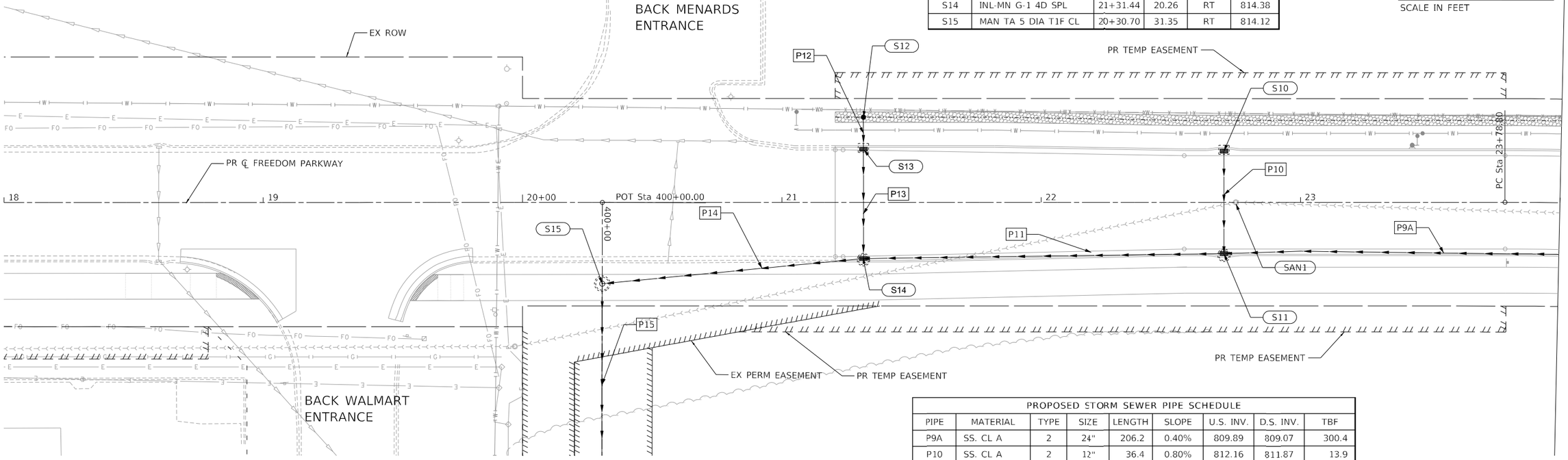
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE SCHEDULES OF QUANTITIES
FREEDOM PARKWAY

SCALE: 20.0000 ' / in. SHEET 1 OF 13 SHEETS STA. TO STA.

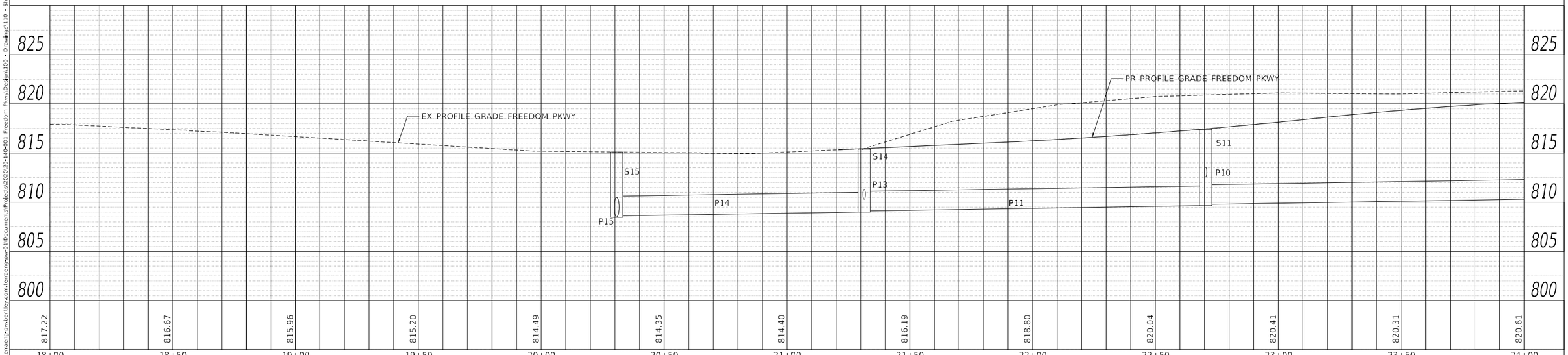
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6745	20-00128-02-PV	Tazewell	147	35
		CONTRACT NO. 89805		
	ILLINOIS	FED. AID PROJECT		

PROPOSED STORM SEWER STRUCTURE SCHEDULE					
STR.	STRUCTURE	STA.	OFF.	RT/LT	RIM ELEV.
S10	INLETS TG-1 SPL	22+70.44	18.01	LT	816.43
S11	INL-MN G-1 4D SPL	22+70.44	18.01	RT	816.43
S12	CB, TY C, T8G	21+31.44	32.84	LT	814.02
S13	INLETS TG-1 SPL	21+31.44	20.26	LT	814.39
S14	INL-MN G-1 4D SPL	21+31.44	20.26	RT	814.38
S15	MAN TA 5 DIA T1F CL	20+30.70	31.35	RT	814.12



PROPOSED STORM SEWER PIPE SCHEDULE								
PIPE	MATERIAL	TYPE	SIZE	LENGTH	SLOPE	U.S. INV.	D.S. INV.	TBF
P9A	SS. CL A	2	24"	206.2	0.40%	809.89	809.07	300.4
P10	SS. CL A	2	12"	36.4	0.80%	812.16	811.87	13.9
P11	SS. CL A	2	24"	135.1	0.40%	808.96	808.42	147.3
P12	SS, WAT MN	2	12"	9.1	1.00%	810.12	810.03	3.1
P13	SS. CL A	2	12"	39.0	0.80%	809.93	809.62	24.6
P14	SS. CL A	2	24"	96.8	0.40%	808.30	807.91	93.7

EXISTING SANITARY SEWER STRUCTURE SCHEDULE								
STR.	STRUCTURE	STA.	OFF.	RT/LT	EX. ELEV	PR. ELEV.	NET ELEV.	MODIFICATION
SAN1	EX SAN MH	22+75.00	0.0	CL	820.23	816.86	-3.37	SANITARY MAN RECONST



PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK / NO. / BY / DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTATNS CHKD / NOTE BOOK / NO. / BY / DATE

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TERRA ENGINEERING LTD.

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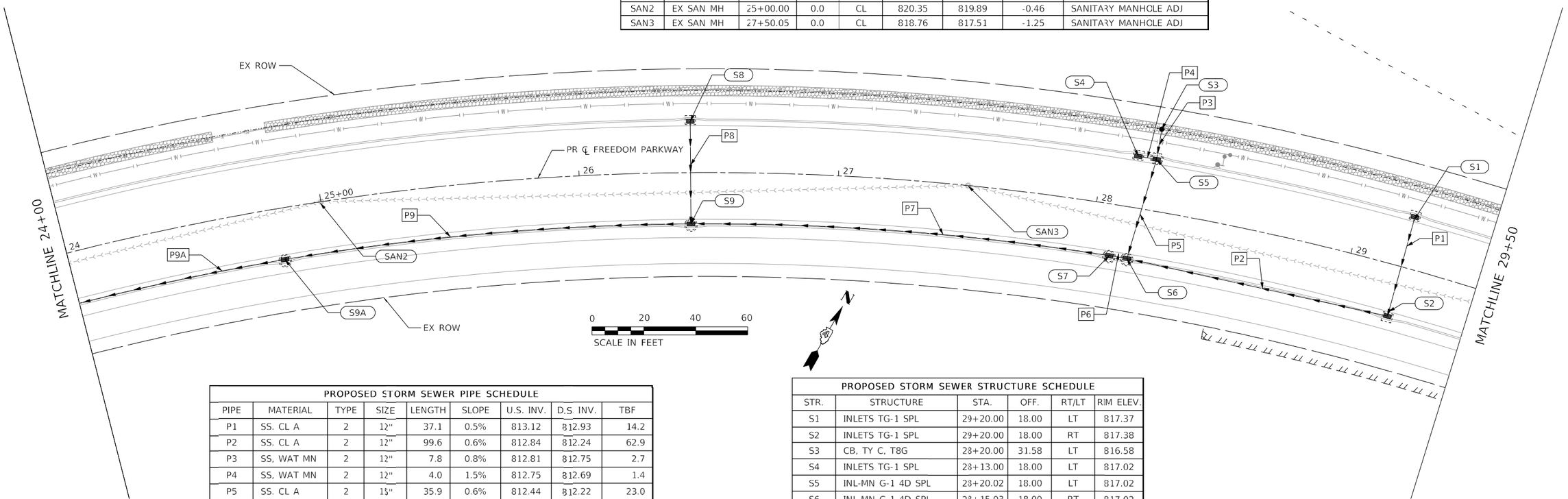
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN
FREEDOM PARKWAY

SCALE: 20.0000 ' / in. SHEET 2 OF 13 SHEETS STA. TO STA.

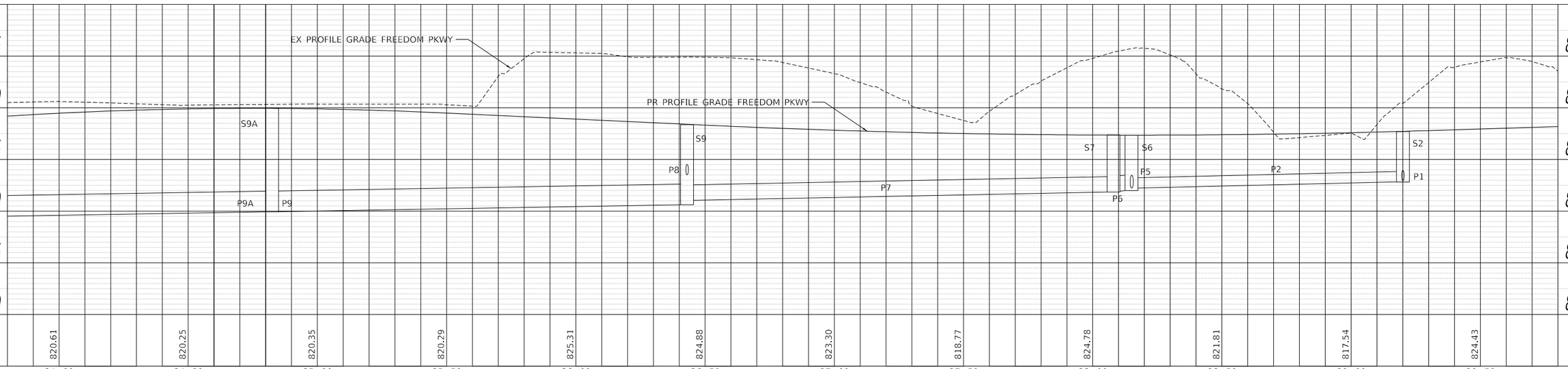
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	36
		CONTRACT NO. 89805		
		ILLINOIS	FED. AID PROJECT	

EXISTING SANITARY SEWER STRUCTURE SCHEDULE								
STR.	STRUCTURE	STA.	OFF.	RT/LT	EX. ELEV.	PR. ELEV.	NET ELEV.	MODIFICATION
SAN2	EX SAN MH	25+00.00	0.0	CL	820.35	819.89	-0.46	SANITARY MANHOLE ADJ
SAN3	EX SAN MH	27+50.05	0.0	CL	818.76	817.51	-1.25	SANITARY MANHOLE ADJ



PROPOSED STORM SEWER PIPE SCHEDULE								
PIPE	MATERIAL	TYPE	SIZE	LENGTH	SLOPE	U.S. INV.	D.S. INV.	TBF
P1	SS, CL A	2	12"	37.1	0.5%	813.12	812.93	14.2
P2	SS, CL A	2	12"	99.6	0.6%	812.84	812.24	62.9
P3	SS, WAT MN	2	12"	7.8	0.8%	812.81	812.75	2.7
P4	SS, WAT MN	2	12"	4.0	1.5%	812.75	812.69	1.4
P5	SS, CL A	2	15"	35.9	0.6%	812.44	812.22	23.0
P6	SS, CL A	2	18"	3.0	1.0%	811.97	811.94	2.2
P7	SS, CL A	2	18"	157.8	0.5%	811.84	811.05	142.3
P8	SS, CL A	2	12"	36.4	0.8%	813.80	813.51	13.9
P9	SS, CL A	2	24"	153.2	0.4%	810.61	810.00	223.2

PROPOSED STORM SEWER STRUCTURE SCHEDULE					
STR.	STRUCTURE	STA.	OFF.	RT/LT	RIM ELEV.
S1	INLETS TG-1 SPL	29+20.00	18.00	LT	817.37
S2	INLETS TG-1 SPL	29+20.00	18.00	RT	817.38
S3	CB, TY C, T8G	28+20.00	31.58	LT	816.58
S4	INLETS TG-1 SPL	28+13.00	18.00	LT	817.02
S5	INL-MN G-1 4D SPL	28+20.02	18.00	LT	817.02
S6	INL-MN G-1 4D SPL	28+15.03	18.00	RT	817.02
S7	INL-MN G-1 4D SPL	28+08.03	18.00	RT	817.02
S8	INLETS TG-1 SPL	26+43.00	18.00	LT	818.07
S9	INL-MN G-1 4D SPL	26+43.03	18.00	RT	818.07
S9A	INL-MN G-1 4D SPL	24+82.66	17.94	RT	819.60



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PROFILE — SURVEYED / PLOTTED / DESIGNER CHECKED / R.O.W. NOTED / STRUCTURE NOTATIONS CHKD / NOTE BOOK / NO. / BY / DATE

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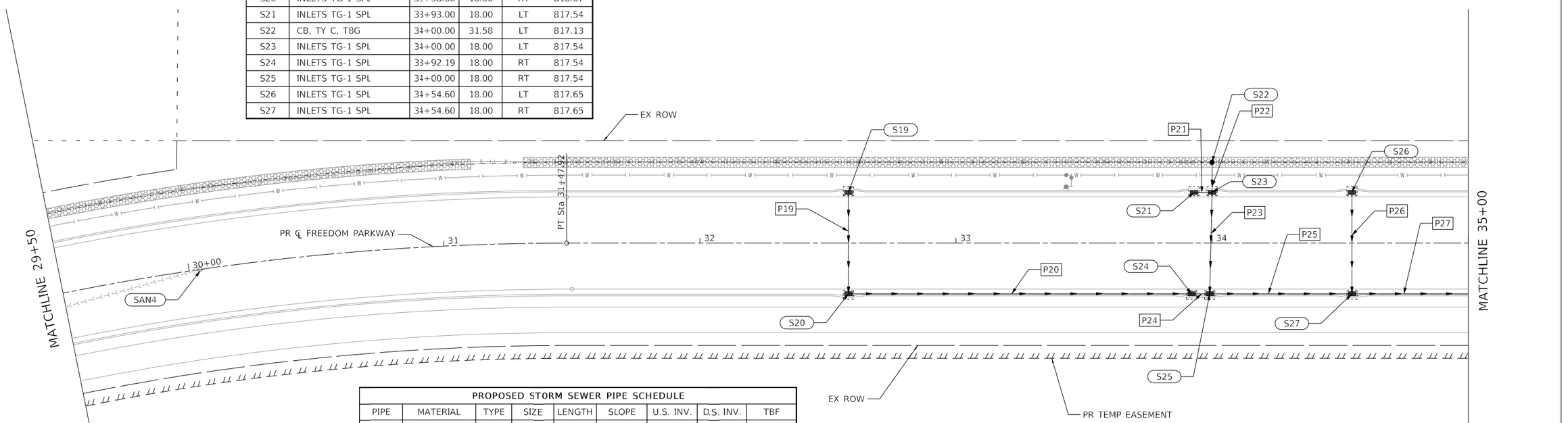
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLANS
FREEDOM PARKWAY

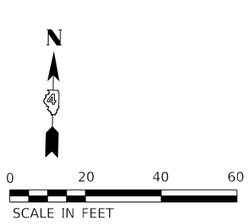
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 89805		
	ILLINOIS FED. AID PROJECT			

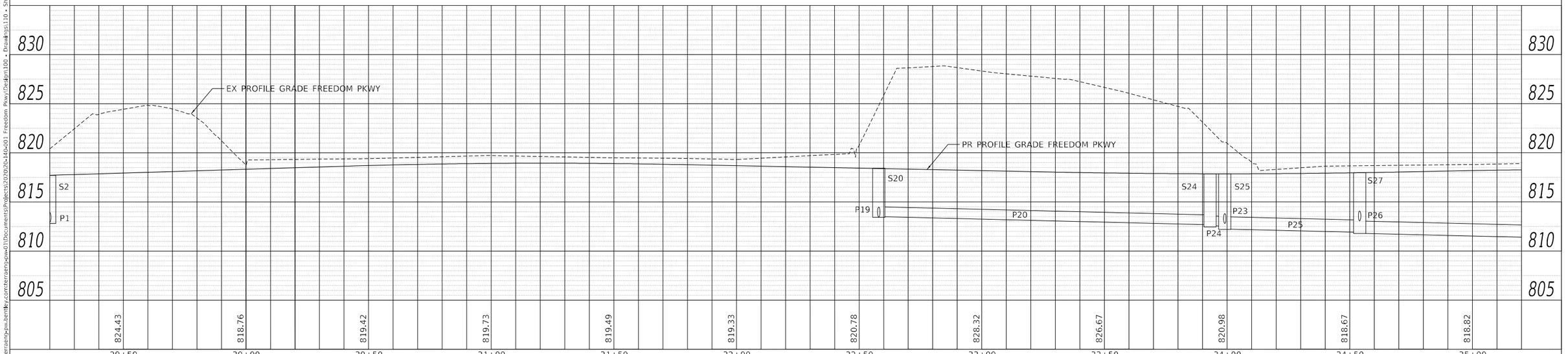
PROPOSED STORM SEWER STRUCTURE SCHEDULE					
STR.	STRUCTURE	STA.	OFF.	RT/LT	RIM ELEV.
S19	INLETS TG-1 SPL	32+58.00	18.00	LT	818.07
S20	INLETS TG-1 SPL	32+58.00	18.00	RT	818.07
S21	INLETS TG-1 SPL	33+93.00	18.00	LT	817.54
S22	CB, TY C, T8G	34+00.00	31.58	LT	817.13
S23	INLETS TG-1 SPL	34+00.00	18.00	LT	817.54
S24	INLETS TG-1 SPL	33+92.19	18.00	RT	817.54
S25	INLETS TG-1 SPL	34+00.00	18.00	RT	817.54
S26	INLETS TG-1 SPL	34+54.60	18.00	LT	817.65
S27	INLETS TG-1 SPL	34+54.60	18.00	RT	817.65



PROPOSED STORM SEWER PIPE SCHEDULE								
PIPE	MATERIAL	TYPE	SIZE	LENGTH	SLOPE	U.S. INV.	D.S. INV.	TBF
P19	SS, CL A	2	12"	37.1	0.8%	813.80	313.50	14.2
P20	SS, CL A	2	12"	131.5	0.6%	813.48	312.69	83.1
P21	SS, WAT MN	2	12"	4.5	1.3%	813.27	313.21	1.6
P22	SS, WAT MN	2	12"	8.6	1.2%	813.35	313.25	2.9
P23	SS, CL A	2	12"	37.1	0.8%	813.11	312.81	23.4
P24	SS, CL A	2	12"	4.6	0.9%	812.58	312.54	3.2
P25	SS, CL A	2	15"	53.1	0.6%	812.24	311.92	41.4
P26	SS, CL A	2	12"	37.1	0.8%	813.38	313.08	14.2
P27	SS, CL A	2	15"	245.2	0.6%	811.81	310.34	199.3



EXISTING SANITARY SEWER STRUCTURE SCHEDULE								
STR.	STRUCTURE	STA.	OFF.	RT/LT	EX. ELEV.	PR. ELEV.	NET ELEV.	MODIFICATION
SAN4	EX SAN MH	30+04.26	0.0	C_	819.28	818.36	-0.92	SANITARY MANHOLE ADJ



PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK / NO. / BY / DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTATNS CHKD / NOTE BOOK / NO. / BY / DATE

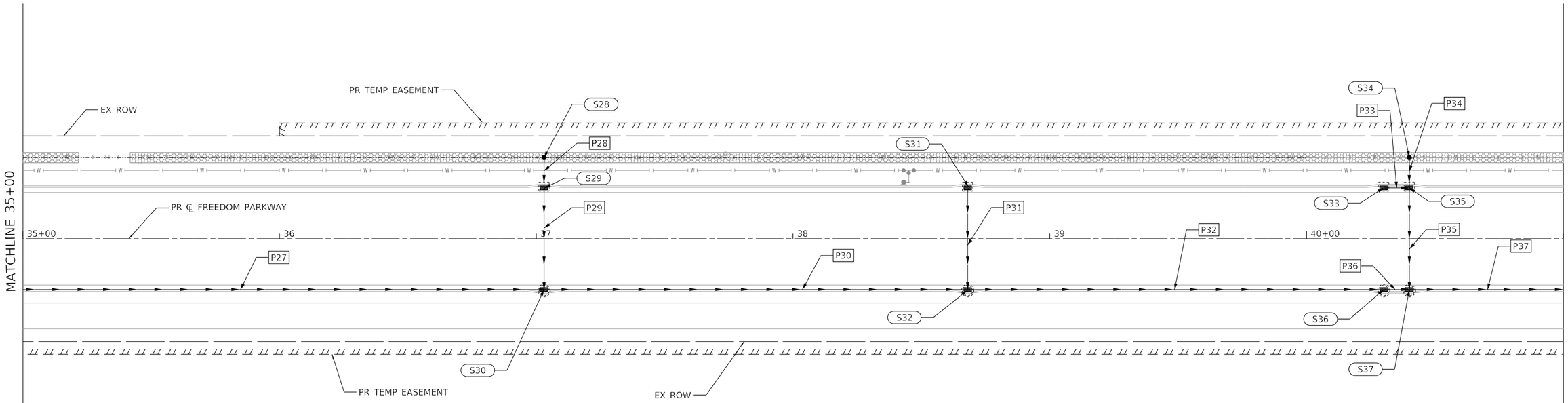
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DRAINAGE PLAN
FREEDOM PARKWAY

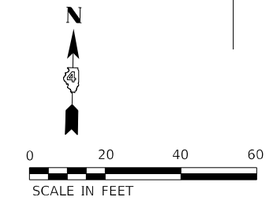
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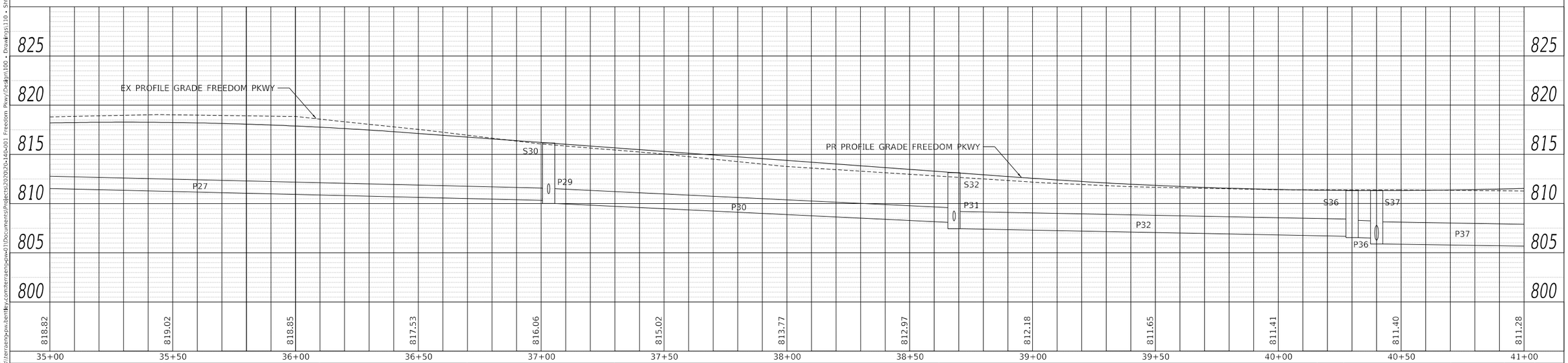
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	38
		CONTRACT NO. 89805		
		ILLINOIS	FED. AID PROJECT	



PROPOSED STORM SEWER PIPE SCHEDULE								
PIPE	MATERIAL	TYPE	SIZE	LENGTH	SLOPE	U.S. INV.	D.S. INV.	TBF
P28	SS, WAT MN	2	12"	8.6	1.2%	811.50	811.40	3.1
P29	SS, CL A	2	12"	36.4	0.8%	811.30	811.01	23.0
P30	SS, CL A	2	18"	161.0	1.2%	810.04	808.11	121.7
P31	SS, CL A	2	12"	36.4	0.8%	808.54	808.25	13.9
P32	SS, CL A	2	21"	158.1	0.5%	807.47	806.68	108.5
P33	SS, WAT MN	2	12"	6.8	0.9%	806.98	806.92	2.3
P34	SS, WAT MN	2	18"	7.8	0.8%	806.58	806.52	2.0
P35	SS, CL A	2	18"	35.6	0.4%	806.42	806.28	23.0
P36	SS, CL A	2	21"	6.0	0.7%	806.54	806.50	2.5
P37	SS, CL A	2	27"	66.0	0.4%	805.90	805.64	53.0

PROPOSED STORM SEWER STRUCTURE SCHEDULE					
STR.	STRUCTURE	STA.	OFF.	RT/LT	RIM ELEV.
S28	CB, TY C, T8G	37+03.00	31.58	LT	315.39
S29	INLETS TG-1 SPL	37+03.00	18.00	LT	315.83
S30	INL-MN G-1 4D SPL	37+03.03	18.00	RT	315.83
S31	INLETS TG-1 SPL	38+68.00	18.00	LT	312.83
S32	INL-MN G-1 4D SPL	38+68.03	18.00	RT	312.83
S33	INLETS TG-1 SPL	40+30.00	18.00	LT	311.00
S34	CB, TY C, T8G	40+40.00	31.58	LT	308.56
S35	INL-MN G-1 4D SPL	40+40.00	18.00	LT	311.00
S36	INL-MN G-1 4D SPL	40+30.00	18.00	RT	311.00
S37	INL-MN G-1 4D SPL	40+40.03	18.00	RT	311.00





USER NAME = AlphonseE	DESIGNED - JH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE PLAN FREEDOM PARKWAY
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PLOT DATE = 3/16/2023	DATE - 2023/03/17	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	39
		CONTRACT NO. 89805		
	ILLINOIS FED. AID PROJECT			

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK / NO. / BY / DATE

PROFILE — SURVEYED / PLOTTED / DRAWN / CHECKED / B.M. NOTED / STRUCTURE NOTATIONS CHKD / NOTE BOOK / NO. / BY / DATE

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EXISTING SANITARY SEWER STRUCTURE SCHEDULE								
STR.	STRUCTURE	STA.	OFF.	RT/LT	EX. ELEV.	PR. ELEV.	NET ELEV.	MODIFICATION
SAN5	EX SAN MH	42+00.02	0.0	CL	811.42	812.55	1.13	SANITARY MANHOLE ADJ
SAN6	EX SAN MH	46+00.02	0.0	CL	812.57	812.88	0.31	SANITARY MANHOLE ADJ

PROPOSED STORM SEWER PIPE SCHEDULE								
PIPE	MATERIAL	TYPE	SIZE	LENGTH	SLOPE	U.S. INV.	D.S. INV.	TBF
P38	SS. CL A	2	12"	36.4	0.8%	807.02	806.73	13.9
P39	SS. CL A	2	27"	150.5	0.4%	805.52	804.92	166.0
P40	SS. CL A	2	12"	35.9	0.8%	808.60	808.31	13.7
P41	SS. CL A	2	27"	274.0	0.5%	804.80	803.43	431.8
P42	SS. CL A	2	12"	35.9	0.8%	808.90	808.61	13.7
P43	SS. CL A	2	30"	164.1	0.4%	803.06	802.40	278.6

PR CONCRETE ENCASED ELECTRICAL DUCT BANK, BY OTHERS. CONTRACTOR SHALL CONTACT AMEREN ELECTRIC PRIOR TO CROSSING.

EX ROW

PR TEMP EASEMENT

MATCHLINE 41+00

MATCHLINE 47+00

S38 S40 S42

P38 P40 P42

SAN5

41 42 43 44 45+00 46

P39 P41 SAN6 P43

PR ℄ FREEDOM PARKWAY

S41 S43

S39

P37

PR TEMP EASEMENT

EX ROW

N

0 20 40 60

SCALE IN FEET

PROPOSED STORM SEWER STRUCTURE SCHEDULE					
STR.	STRUCTURE	STA.	OFF.	RT/LT	RIM ELEV.
S38	INLETS TG-1 SPL	41+10.00	18.00	LT	811.29
S39	INL-MN G-1 4D SPL	41+10.03	18.00	RT	811.29
S40	INLETS TG-1 SPL	42+65.00	18.00	LT	812.90
S41	INL-MN G-1 5D SPL	42+65.03	18.00	RT	812.90
S42	INLETS TG-1 SPL	45+44.00	18.00	LT	813.18
S43	INL-MN G-1 5D SPL	45+44.00	18.00	RT	813.18

820 815 810 805 800 795

EX PROFILE GRADE FREEDOM PKWY

PR PROFILE GRADE FREEDOM PKWY

S39 P38 P39 S41 P40 S43 P42 P41 P43

811.28 811.41 811.42 812.52 815.93 815.39 815.74 815.65 815.45 812.31 812.57 815.77 815.68

41+00 41+50 42+00 42+50 43+00 43+50 44+00 44+50 45+00 45+50 46+00 46+50 47+00

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

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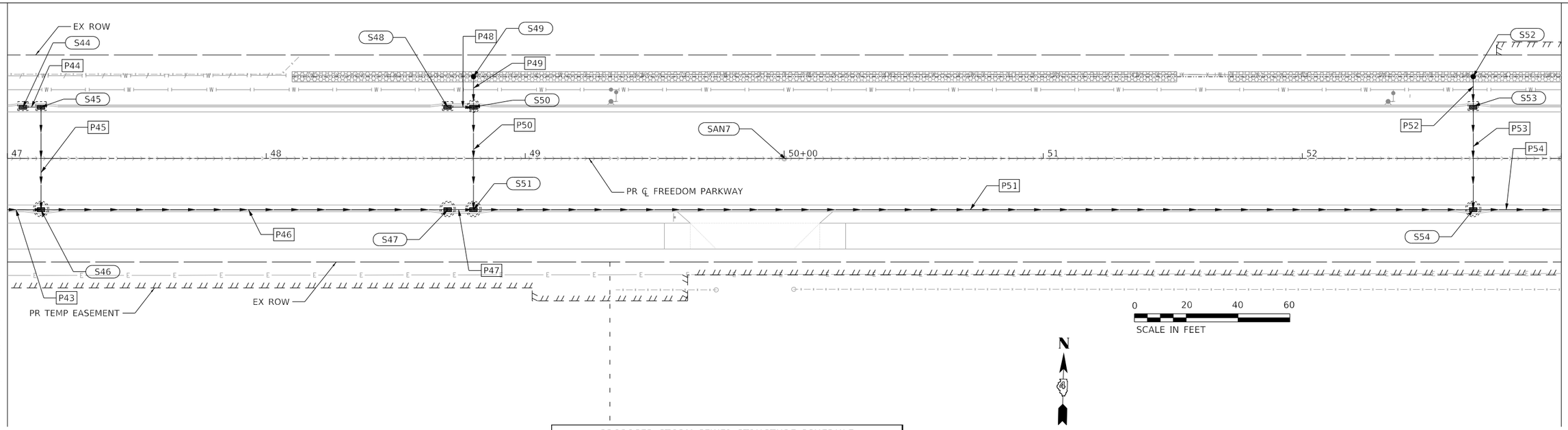
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN
FREEDOM PARKWAY

SCALE: 20.0017 ' / in. SHEET 6 OF 13 SHEETS STA. TO STA.

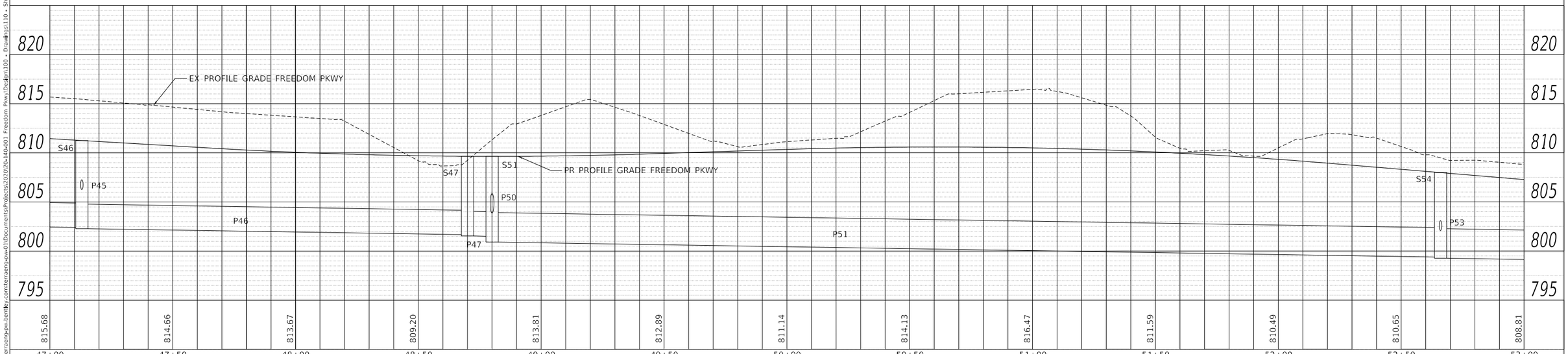
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	40
		CONTRACT NO. 89805		
	ILLINOIS FED. AID PROJECT			



PROPOSED STORM SEWER PIPE SCHEDULE								
PIPE	MATERIAL	TYPE	SIZE	LENGTH	SLOPE	U.S. INV.	D.S. INV.	TBF
P44	SS, WAT MN	2	12"	4.5	1.3%	806.71	806.65	1.6
P45	SS. CL A	2	12"	35.9	0.8%	806.55	806.26	13.7
P46	SS. CL A	2	30"	152.0	0.4%	802.28	801.67	216.9
P47	SS. CL A	2	30"	5.0	0.6%	801.54	801.51	6.7
P48	SS, WAT MN	2	12"	6.8	0.9%	805.00	804.94	2.6
P49	SS, WAT MN	2	15"	7.8	1.3%	804.50	804.40	5.0
P50	SS. CL A	2	18"	35.1	0.8%	804.15	803.87	26.5
P51	SS. CL A	2	36"	381.0	0.4%	800.91	799.39	574.5
P52	SS, WAT MN	2	12"	8.6	1.2%	803.32	803.22	3.1
P53	SS. CL A	2	12"	35.9	0.8%	803.12	802.83	22.7

PROPOSED STORM SEWER STRUCTURE SCHEDULE					
STR.	STRUCTURE	STA.	OFF.	RT/LT	RIM ELEV.
S44	INLETS TG-1 SPL	47+06.00	18.00	LT	811.02
S45	INLETS TG-1 SPL	47+13.00	18.00	LT	810.92
S46	INL-MN G-1 5D SPL	47+13.03	18.00	RT	810.92
S47	INL-MN G-1 5D SPL	48+70.03	18.00	RT	809.32
S48	INLETS TG-1 SPL	48+70.00	18.00	LT	809.31
S49	CB, TY C, T8G	48+80.00	31.58	LT	808.51
S50	INL-MN G-1 4D SPL	48+80.03	18.00	LT	809.31
S51	INL-MN G-1 5D SPL	48+80.03	18.00	RT	809.31
S52	CB, TY C, T8G	52+66.00	31.58	LT	807.22
S53	INLETS TG-1 SPL	52+66.00	18.00	LT	807.66
S54	INL-MN G-1 5D SPL	52+66.03	18.00	RT	807.66

EXISTING SANITARY SEWER STRUCTURE SCHEDULE								
STR.	STRUCTURE	STA.	OFF.	RT/LT	EX. ELEV.	PR. ELEV.	NET ELEV.	MODIFICATION
SAN7	EX SAN MH	50+00.02	0.0	CL	811.14	810.35	-0.79	SANITARY MANHOLE ADJ



PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK / NO.____ / BY / DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTATIONS CHKD / NOTE BOOK / NO.____ / BY / DATE

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USER NAME = AlphonseE	DESIGNED - JH	REVISED -	
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PLOT DATE = 3/16/2023	DATE - 2023/03/17	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLANS
FREEDOM PARKWAY

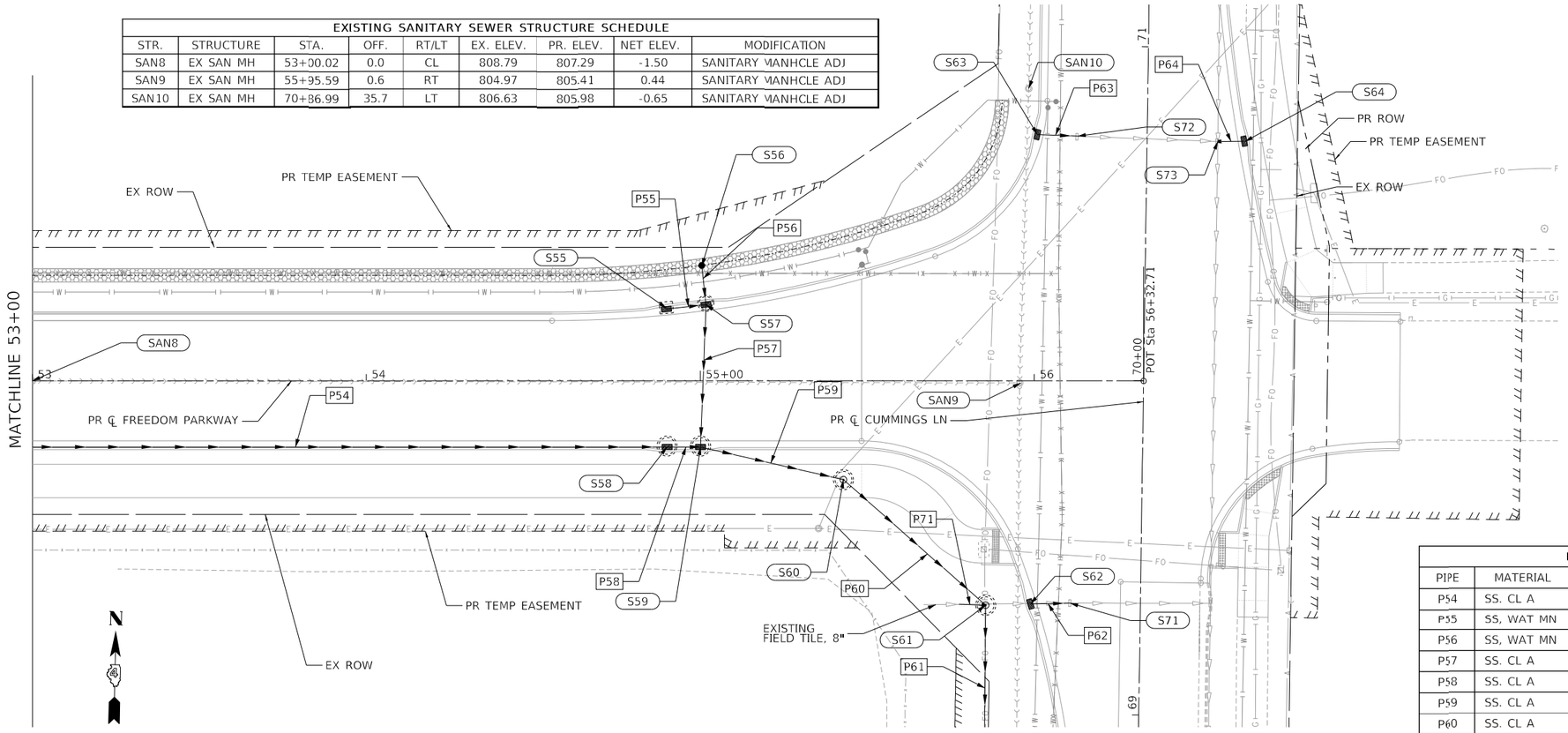
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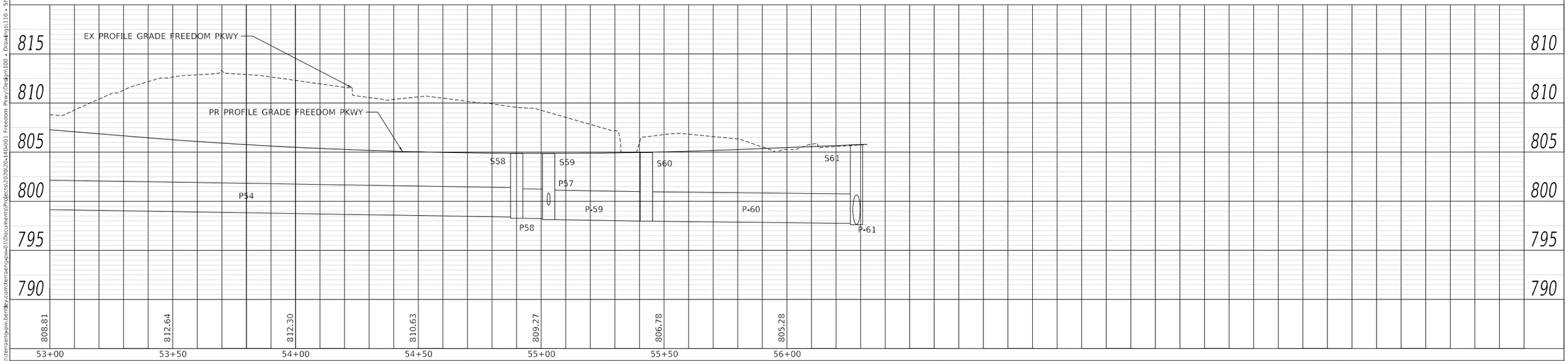
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	41
		CONTRACT NO. 89805		
	ILLINOIS FED. AID PROJECT			

EXISTING SANITARY SEWER STRUCTURE SCHEDULE								
STR.	STRUCTURE	STA.	OFF.	RT/LT	EX. ELEV.	PR. ELEV.	NET ELEV.	MODIFICATION
SAN8	EX SAN MH	53+00.02	0.0	CL	808.79	807.29	-1.50	SANITARY MANHCLE ADJ
SAN9	EX SAN MH	55+95.59	0.6	RT	804.97	805.41	0.44	SANITARY MANHCLE ADJ
SAN10	EX SAN MH	70+86.99	35.7	LT	806.63	805.98	-0.65	SANITARY MANHCLE ADJ

PROPOSED STORM SEWER STRUCTURE SCHEDULE					
STR.	STRUCTURE	STA.	OFF.	RT/LT	RIM ELEV.
S55	INLETS TG-1 SPL	54+90.00	19.69	LT	804.49
S56	CB, TY C, T8G	55+00.41	34.58	LT	804.03
S57	INL-MN G-1 4D SPL	55+01.96	21.08	LT	804.47
S58	INL-MN G-1 5D SPL	54+90.03	18.00	RT	804.55
S59	INL-MN G-1 5D SPL	55+03.00	18.00	RT	804.54
S60	MAN TA 5 DIA T1F CL	55+42.84	29.58	RT	805.32
S61	MAN TA 5 DIA T1F CL	55+85.41	67.13	RT	805.81

PROPOSED STORM SEWER PIPE SCHEDULE								
PIPE	MATERIAL	TYPE	SIZE	LENGTH	SLOPE	U.S. INV.	D.S. INV.	TBF
P54	SS, CL A	2	36"	219.0	0.4%	799.27	798.39	265.2
P55	SS, WAT MN	2	12"	8.7	0.7%	800.20	800.14	3.1
P56	SS, WAT MN	2	12"	7.8	1.3%	800.25	800.15	2.7
P57	SS, CL A	2	15"	38.2	0.6%	799.84	799.61	25.8
P58	SS, CL A	2	36"	5.0	0.6%	798.26	798.23	4.8
P59	SS, CL A	2	36"	38.9	0.4%	798.13	797.97	43.3
P60	SS, CL A	2	36"	51.8	0.4%	797.96	797.75	67.9
P71	SS, CL B	1	10"	8.0	MATCH EX.	0.00	801.80	0.0





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PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTATIONS CHKD / NOTE BOOK / NO. / BY / DATE

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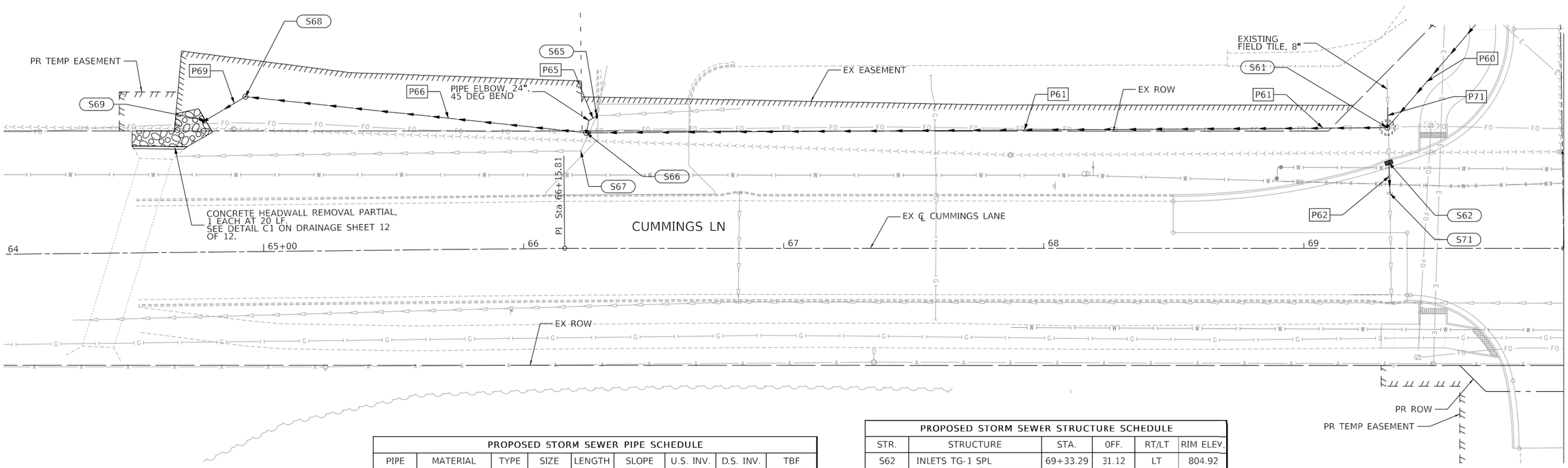
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PLOT DATE	= 3/17/2023	DATE	- 2023/03/17	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN
FREEDOM PARKWAY

SCALE: 20.0017 ' / in. SHEET 8 OF 13 SHEETS STA. TO STA.

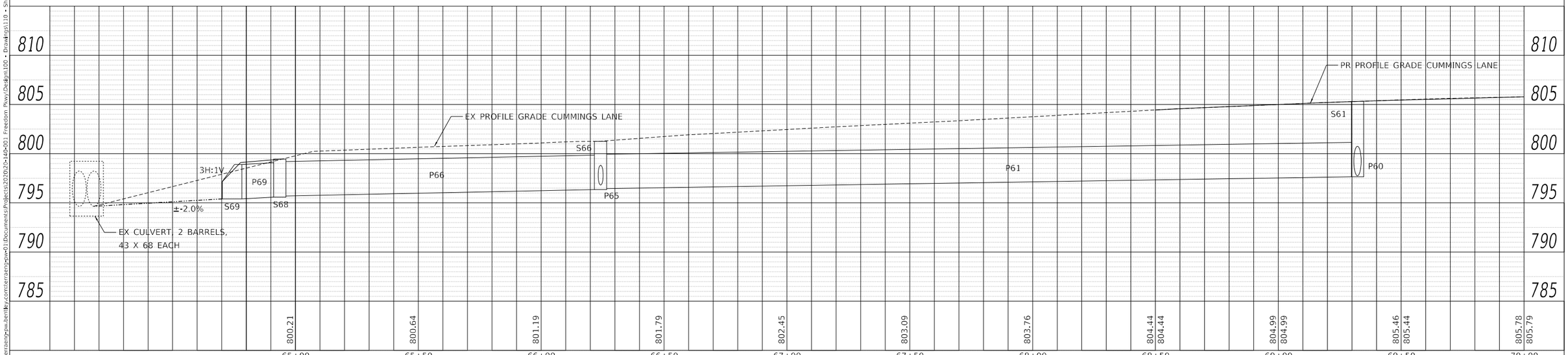
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	42
		CONTRACT NO. 89805		
	ILLINOIS FED. AID PROJECT			



PROPOSED STORM SEWER PIPE SCHEDULE								
PIPE	MATERIAL	TYPE	SIZE	LENGTH	SLOPE	U.S. INV.	D.S. INV.	TBF
P61	SS, CL A	1	36"	302.7	0.4%	797.65	796.44	336.9
P62	SS, WAT MN	1	12"	10.7	0.6%	802.06	802.00	2.5
P65	SS, CL B	1	24"	3.3	4.5%	796.96	796.81	2.3
P66	SS, CL A	1	42"	125.8	0.5%	796.34	795.70	0.0
P69	SS, CL A	1	42"	14.9	1.2%	795.58	795.40	0.0

PROPOSED STORM SEWER STRUCTURE SCHEDULE					
STR.	STRUCTURE	STA.	OFF.	RT/LT	RIM ELEV.
S62	INLETS TG-1 SPL	69+33.29	31.12	LT	804.92
S65	INLETS ADJUST	66+33.21	51.26	LT	EX.
S66	MAN TA 6 DIA T1F CL	66+24.19	44.35	LT	801.21
S67	REMOV MANHOLES	66+21.98	37.43	LT	EX.
S68	MAN TA 6 DIA T1F CL	64+93.62	59.54	LT	799.44
S69	PRC FLAR FES 42	64+78.19	50.82	LT	795.40
S71	INLETS ADJ NEW T1F CL	69+33.16	21.14	LT	EX.

0 20 40 60
SCALE IN FEET



PLAN — DATE / BY
SURVEYED
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ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.

PROFILE — DATE / BY
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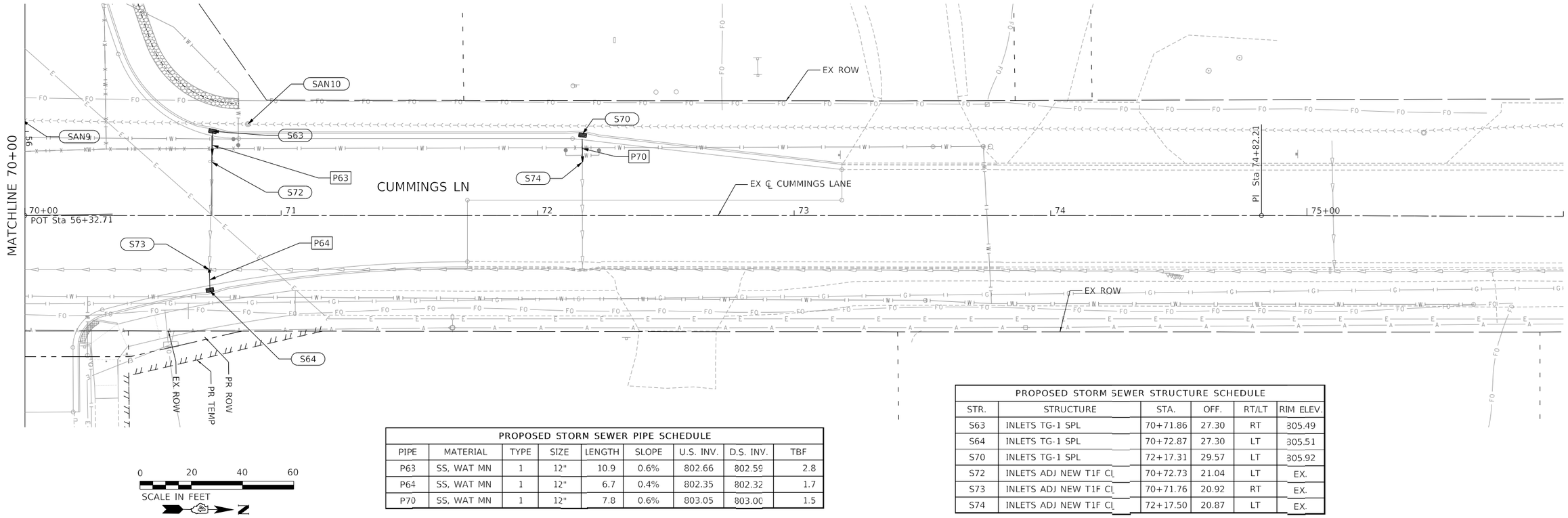
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN
CUMMINGS LANE

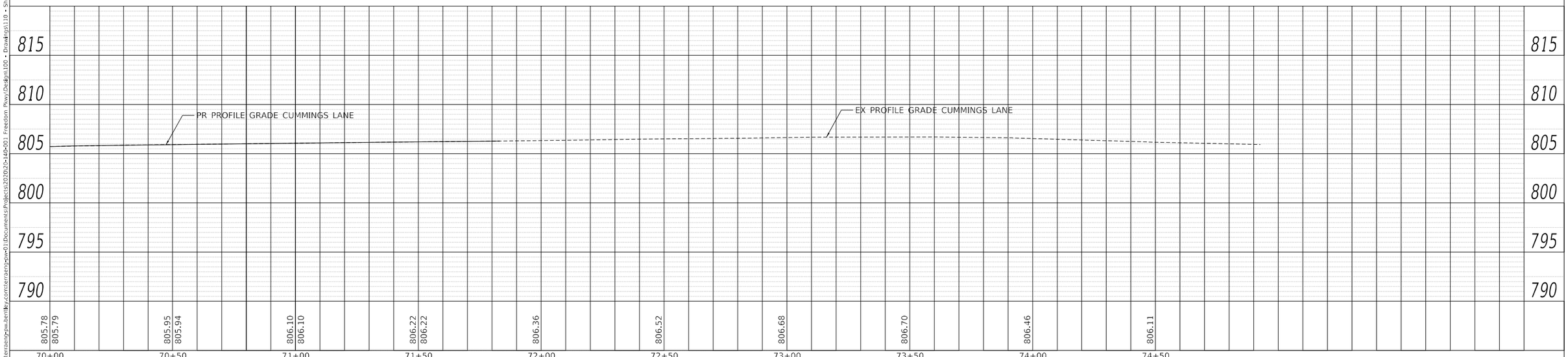
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6745	20-00128-02-PV	Tazewell	147	43
		CONTRACT NO. 89805		
	ILLINOIS FED. AID PROJECT			



PROPOSED STORM SEWER PIPE SCHEDULE								
PIPE	MATERIAL	TYPE	SIZE	LENGTH	SLOPE	U.S. INV.	D.S. INV.	TBF
P63	SS, WAT MN	1	12"	10.9	0.6%	802.66	802.59	2.8
P64	SS, WAT MN	1	12"	6.7	0.4%	802.35	802.32	1.7
P70	SS, WAT MN	1	12"	7.8	0.6%	803.05	803.00	1.5

PROPOSED STORM SEWER STRUCTURE SCHEDULE					
STR.	STRUCTURE	STA.	OFF.	RT/LT	RIM ELEV.
S63	INLETS TG-1 SPL	70+71.86	27.30	RT	805.49
S64	INLETS TG-1 SPL	70+72.87	27.30	LT	805.51
S70	INLETS TG-1 SPL	72+17.31	29.57	LT	805.92
S72	INLETS ADJ NEW T1F CL	70+72.73	21.04	LT	EX.
S73	INLETS ADJ NEW T1F CL	70+71.76	20.92	RT	EX.
S74	INLETS ADJ NEW T1F CL	72+17.50	20.87	LT	EX.



PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK / NO. / BY / DATE

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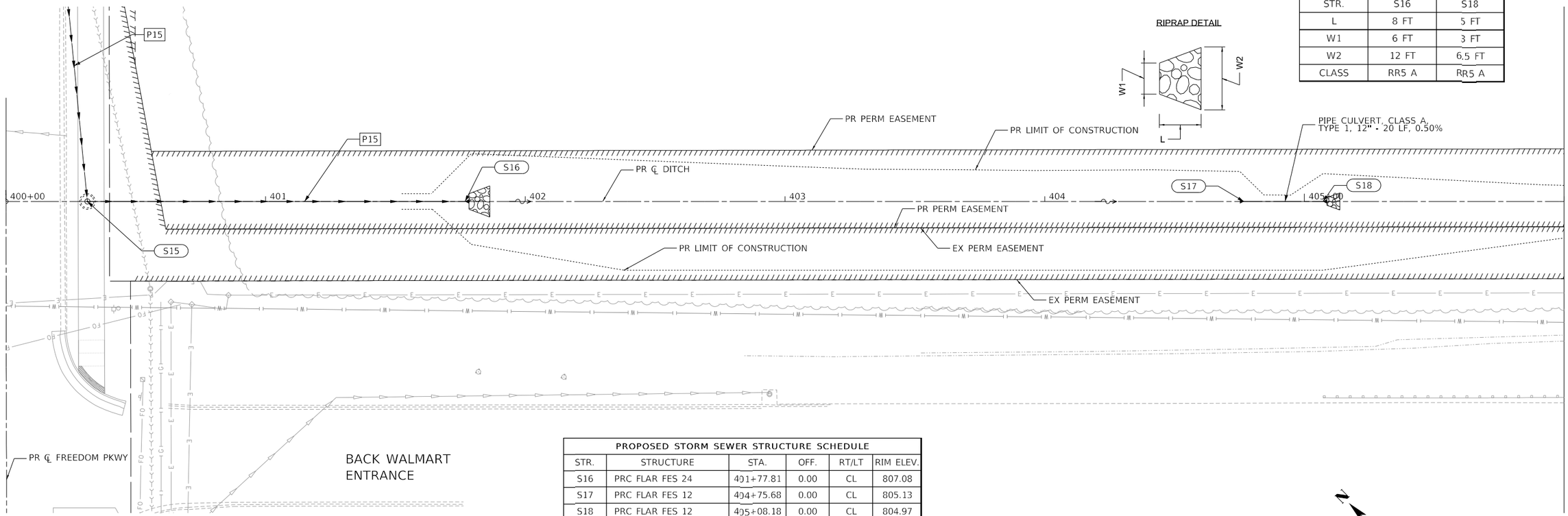
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PLOT DATE = 3/17/2023	DATE - 2023/03/17	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN
CUMMINGS LANE

SCALE: 20.0000 ' / in. SHEET 10 OF 13 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 89805		
	ILLINOIS FED. AID PROJECT			



RIPRAP DETAIL

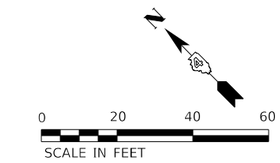
RIPRAP APRON SCHEDULE		
STR.	S16	S18
L	8 FT	5 FT
W1	6 FT	3 FT
W2	12 FT	6.5 FT
CLASS	RR5 A	RR5 A

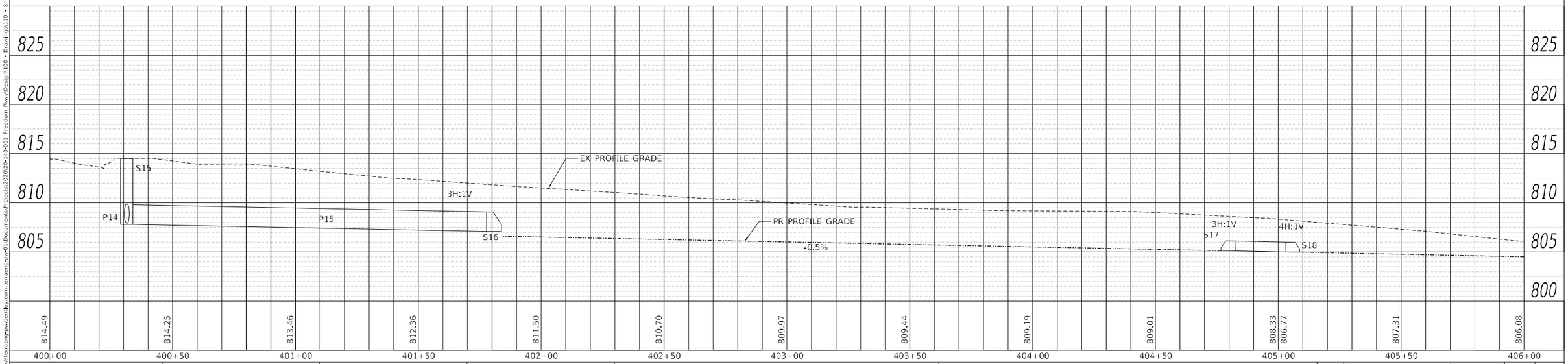
PROPOSED STORM SEWER STRUCTURE SCHEDULE					
STR.	STRUCTURE	STA.	OFF.	RT/LT	RIM ELEV.
S16	PRC FLAR FES 24	401+77.81	0.00	CL	807.08
S17	PRC FLAR FES 12	404+75.68	0.00	CL	805.13
S18	PRC FLAR FES 12	405+08.18	0.00	CL	804.97

PROPOSED STORM SEWER PIPE SCHEDULE								
PIPE	MATERIAL	TYPE	SIZE	LENGTH	SLOPE	U.S. INV.	D.S. INV.	TBF
P15	SS. CL A	2	24"	143.0	0.5%	807.800	807.08	0.0

NOTE:

SEE TYPICAL SECTIONS AND CROSS SECTIONS FOR ADDITIONAL PROPOSED DITCH INFORMATION.





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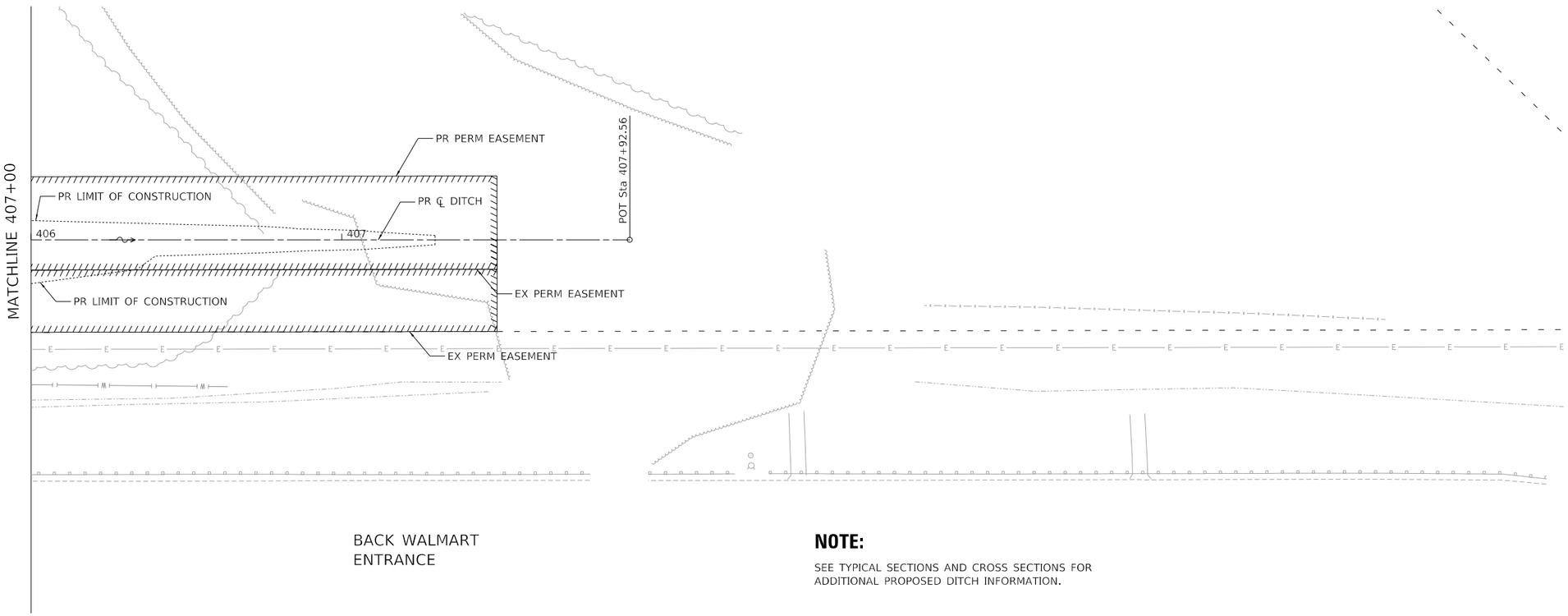
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN
DITCH

SCALE: 20.0000 ' / in. SHEET 11 OF 13 SHEETS STA. TO STA.

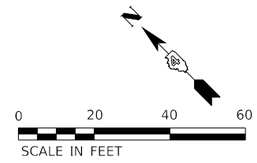
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		CONTRACT NO. 89805		
	ILLINOIS FED. AID PROJECT			

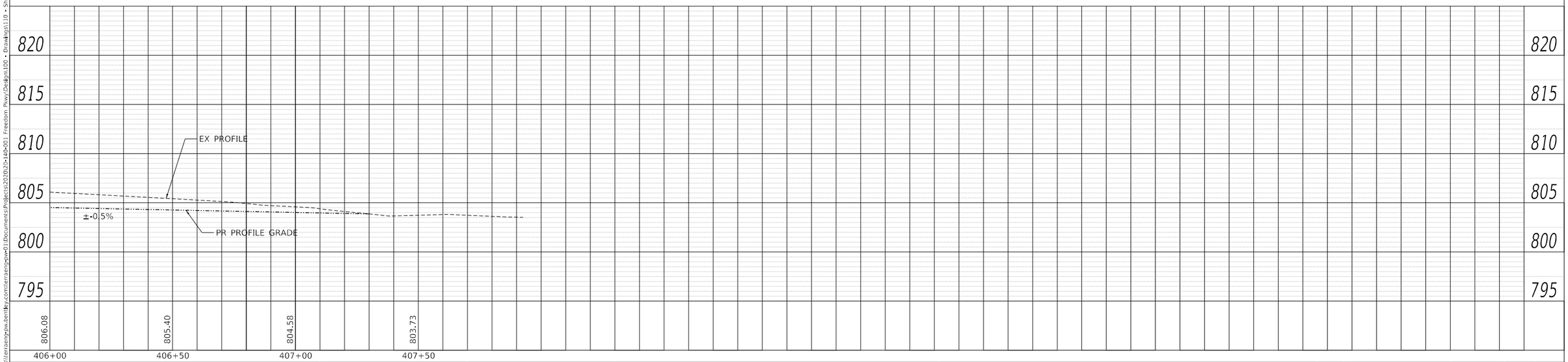


BACK WALMART
ENTRANCE

NOTE:

SEE TYPICAL SECTIONS AND CROSS SECTIONS FOR ADDITIONAL PROPOSED DITCH INFORMATION.





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SURVEYED
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DRAWN CHECKED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
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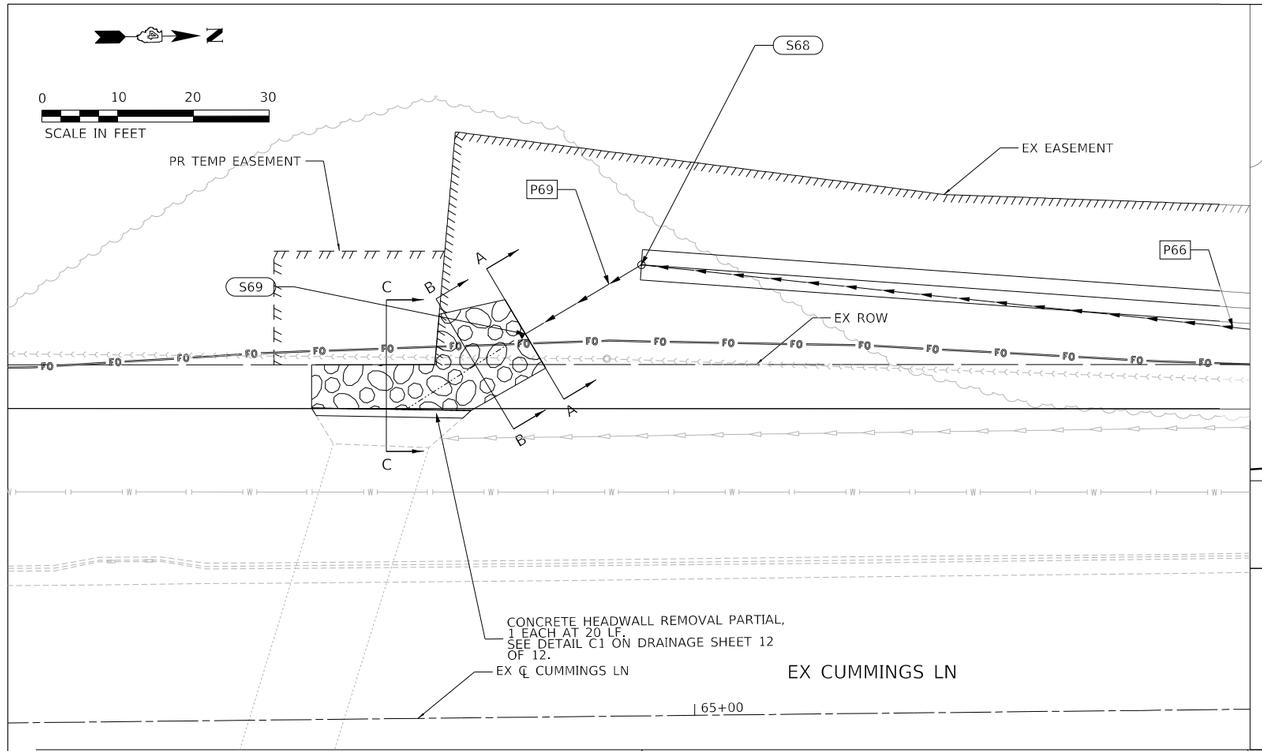
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

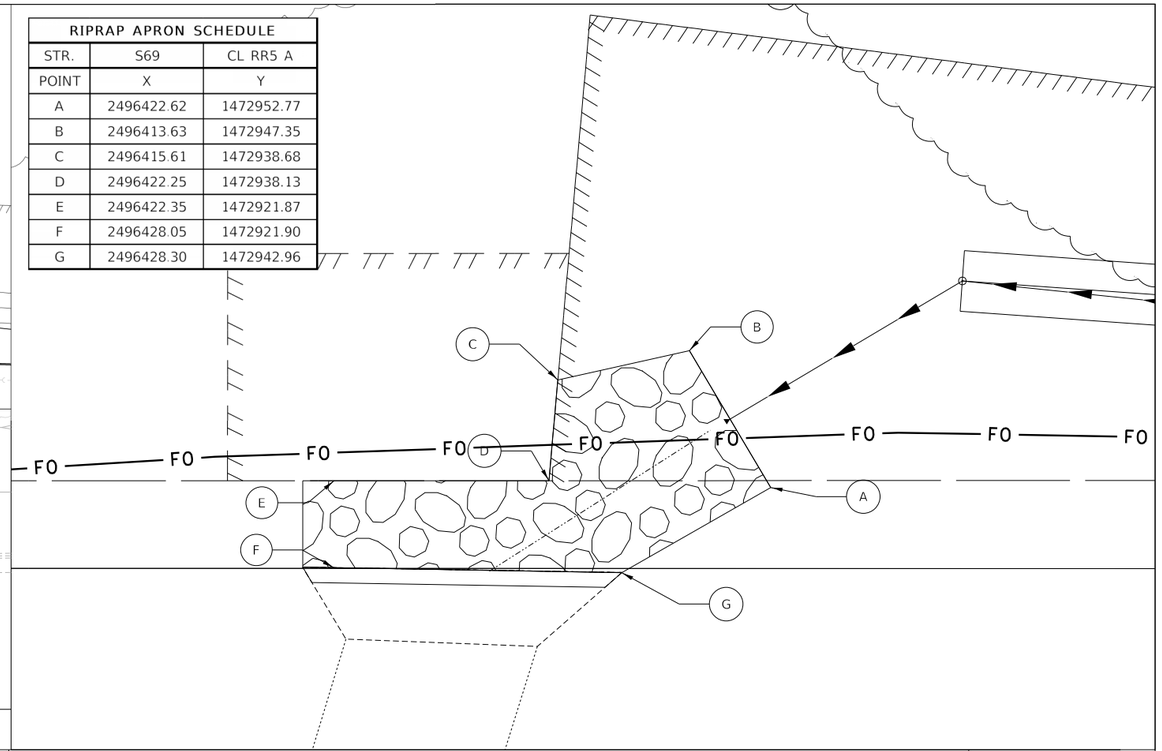
DRAINAGE PLAN
DITCH

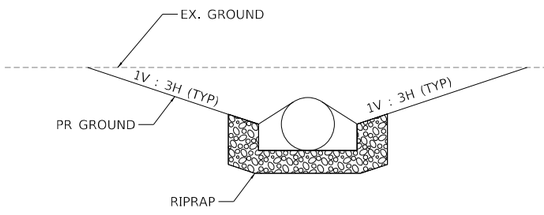
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 89805		
	ILLINOIS FED. AID PROJECT			

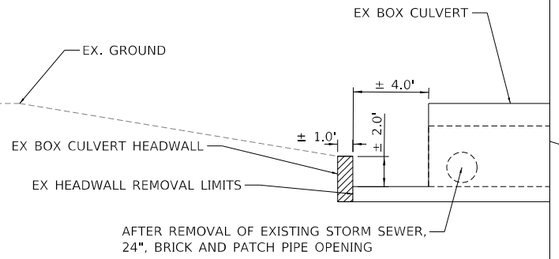


RIPRAP APRON SCHEDULE		
STR.	S69	CL RR5 A
POINT	X	Y
A	2496422.62	1472952.77
B	2496413.63	1472947.35
C	2496415.61	1472938.68
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E	2496422.35	1472921.87
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G	2496428.30	1472942.96

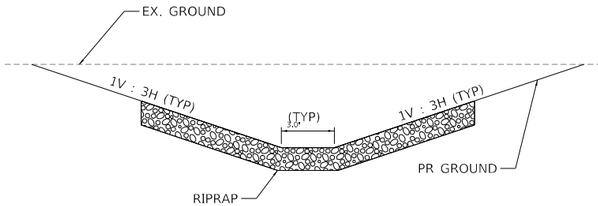




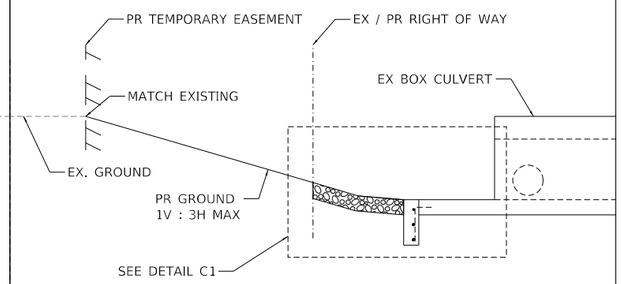
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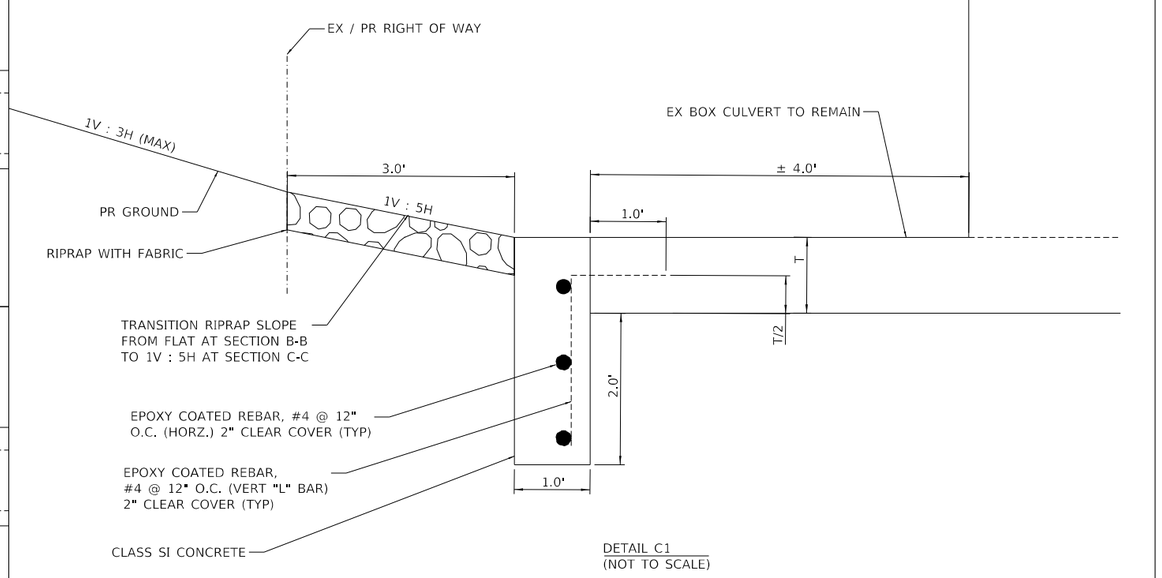
SECTION C-C
EXISTING
(NOT TO SCALE)



SECTION B-B
(NOT TO SCALE)



SECTION C-C
PROPOSED
(NOT TO SCALE)



DETAIL C1
(NOT TO SCALE)

NOTE: DETAIL IS SCHEMATIC. CONTRACTOR
SHALL VERIFY EXISTING FIELD CONDITIONS.

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TERRA ENGINEERING LTD.

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PLOT DATE = 3/16/2023	DATE - 2023/03/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN
CUMMINGS LANE OUTLET

SCALE: 10.0000 ' / in. SHEET 13 OF 13 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	47
		CONTRACT NO. 89805		
	ILLINOIS	FED. AID PROJECT		

MAINTENANCE OF TRAFFIC NOTES (ALL STAGES)

1. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTION OF THE ILLINOIS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION); THE APPLICABLE GUIDELINES CONTAINED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), CURRENT EDITION, AS WELL AS THE ILLINOIS SUPPLEMENT; TRAFFIC CONTROL PLANS; AND THE REFERENCED IDOT HIGHWAY STANDARDS.

2. NO DEVIATIONS FROM THE APPROVED TRAFFIC CONTROL PLAN WILL BE ALLOWED WITHOUT WRITTEN PERMISSION OF THE ENGINEER.

3. BEFORE ANY CONSTRUCTION COMMENCES, THE CONTRACTOR SHALL CONTACT J.U.L.I.E. TO LOCATE ALL UTILITIES AND ENSURE THEIR CONTINUOUS OPERATION.

4. TRAFFIC CONTROL DEVICES MAY BE ADJUSTED TO FIT FIELD CONDITIONS WITH APPROVAL BY THE ENGINEER. MINIMUM TAPER LENGTHS, TAPER RATES, AND SIGN SPACING SHALL BE MAINTAINED.

5. FLASHING LIGHTS SHALL BE PLACED ON ALL TYPE III BARRICADES IN ACCORDANCE WITH IDOT HIGHWAY STANDARD 701901-08. STEADY BURN LIGHTS SHALL BE PLACED ON ALL DRUMS AND BARRICADES (EXCEPT TYPE III BARRICADES) IN ACCORDANCE WITH HIGHWAY STANDARD 701901-08.

6. LANE CLOSURES IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN ARE PERMITTED TO SAFELY CONSTRUCT THE PROPOSED IMPROVEMENTS. LANE CLOSURES SHALL BE PROMPTLY AND SAFELY REMOVED WHEN WORK IS COMPLETE, OR WHEN WORK HAS CEASED AND NO HAZARDS WARRANTING LANE CLOSURES EXIST.

7. ADVANCED SIGNAGE, AS SHOWN ON THE TRAFFIC CONTROL PLAN AND THE REFERENCED IDOT HIGHWAY STANDARDS, SHALL BE PLACED BEFORE ANY TRAFFIC CONTROL DEVICES ARE PLACED WITHIN THE TRAVELED WAY. ADVANCED SIGNAGE MAY BE POST MOUNTED OR GROUND MOUNTED IN ACCORDANCE WITH THE ILLINOIS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES BEFORE POST MOUNTING SIGNS.

NOTES, CONTINUED

8. FLAGGERS SHALL BE REQUIRED WHERE INDICATED ON THE REFERENCED IDOT HIGHWAY STANDARDS. FLAGGERS SHALL MAINTAIN CONSTANT VISUAL AND/OR RADIO CONTRACT WITH EACH OTHER.

9. TRAFFIC CONTROL SURVEILLANCE SHALL BE PROVIDED FOR THE PROPOSED TRAFFIC CONTROL ON CUMMINGS LANE AND ON EXISTING FREEDOM PARKWAY. SEE SPECIAL PROVISIONS.

10. THE CONTRACTOR SHALL COVER OR REMOVE EXISTING SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL PLANS AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH ALL REQUIRED SIGNS AS SHOWN IN THE TRAFFIC CONTROL PLANS AND ANY ADDITIONAL SIGNS AS REQUIRED BY THE ASSOCIATED HIGHWAY STANDARDS LISTED IN THE PLANS. THE SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD 701901 OR AS DIRECTED BY THE ENGINEER.

11. THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SANDBAGS ON EACH TYPE II BARRICADE USED (ONE (1) WEIGHTED SANDBAG ACROSS EACH BOTTOM RAIL) AND A MINIMUM OF FOUR (4) WEIGHTED SANDBAGS ON EACH TYPE III BARRICADE UTILIZED. ALL OTHER SIGNS SHALL BE GROUND MOUNTED UNLESS DIRECTED BY THE ENGINEER.

12. THE CONTRACTOR SHALL NOTIFY THE CITY OF WASHINGTON PUBLIC WORKS BEFORE CHANGES IN TRAFFIC PATTERNS OCCUR. PUBLIC WORKS SHALL NOTIFY THE CITY POLICE AND FIRE DEPARTMENTS, ADVANCED MEDICAL TRANSPORT, US MAIL, WASTE DISPOSAL SERVICES, SCHOOL DISTRICT, AND THE GENERAL PUBLIC THROUGH PRESS RELEASES. ACCESS MUST BE MAINTAINED FOR THESE SERVICES AT ALL TIMES.

NOTES, CONTINUED

13. TO THE FULLEST EXTENT POSSIBLE, THE EXISTING PAVEMENT MARKINGS SHALL BE USED FOR TRAFFIC CONTROL. PREVIOUSLY INSTALLED WORK ZONE PAVEMENT MARKINGS THAT CONFLICT WITH THE TRAFFIC CONTROL PLAN DESIGNATED FOR EACH CONSTRUCTION STAGE OR AS DIRECTED BY THE ENGINEER SHALL BE REMOVED.

14. CORE & MAIN IS LOCATED IN THE SOUTHWEST CORNER OF FREEDOM PKWY AND CUMMINGS LN, WITH ACCESS DRIVEWAYS FROM BOTH ROADWAYS. MAINTAIN ACCESS TO CORE & MAIN USING TEMPORARY AGGREGATE FOR ACCESS.

15. INCLUDE WORK ZONE SPEED LIMIT REDUCTION SIGNAGE (35 MPH) FOR BOTH APPROACHES ON CUMMINGS LANE WHEN WORK ZONES ARE IN PLACE ON CUMMINGS LANE.

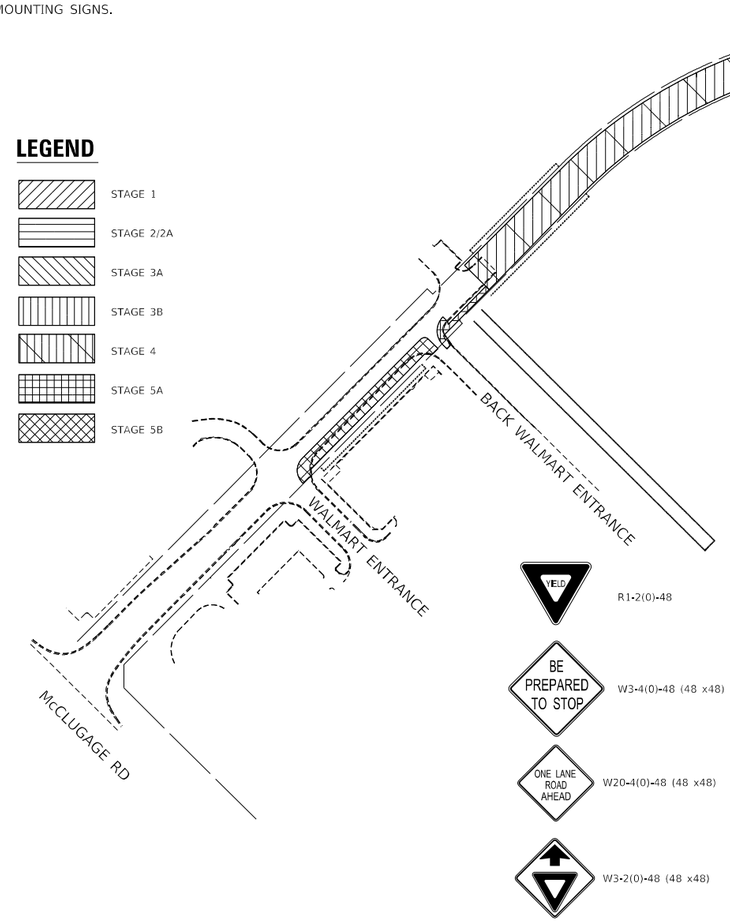
MAINTENANCE OF TRAFFIC SCHEDULE OF QUANTITIES

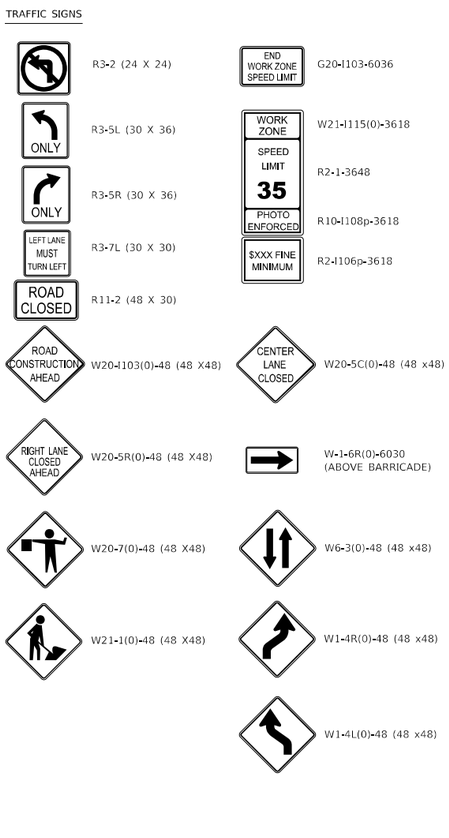
DESCRIPTION	UNIT	QUANTITY
AGGREGATE FOR TEMPORARY ACCESS	TON	10
SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	5725
TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - TYPE III TAPE	SQ FT	53
TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE III TAPE	FOOT	17020
TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1
TEMPORARY SIDEWALK	SQ FT	1650
CHANGEABLE MESSAGE SIGN	CAL DA	119
TRAFFIC CONTROL SURVEILLANCE	CAL DA	75

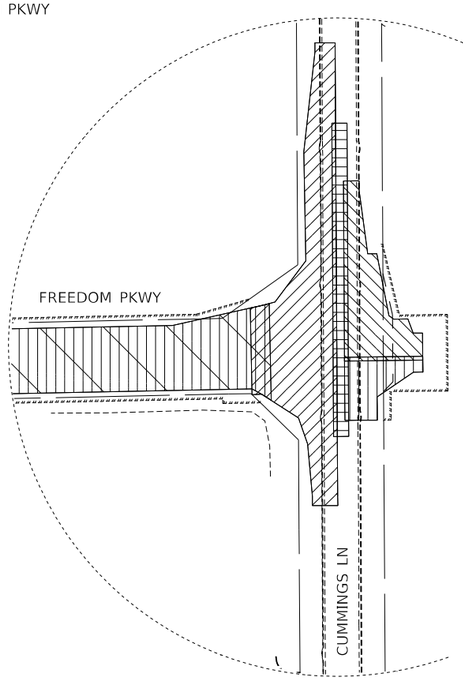
NOTE: QUANTITIES ARE APPROXIMATE FOR THE ITEMS ABOVE AND HAVE BEEN INCLUDED TO ESTABLISH UNIT PRICES. QUANTITIES MAY VARY BASED ON DIRECTION FROM THE ENGINEER AT THE TIME OF CONSTRUCTION.

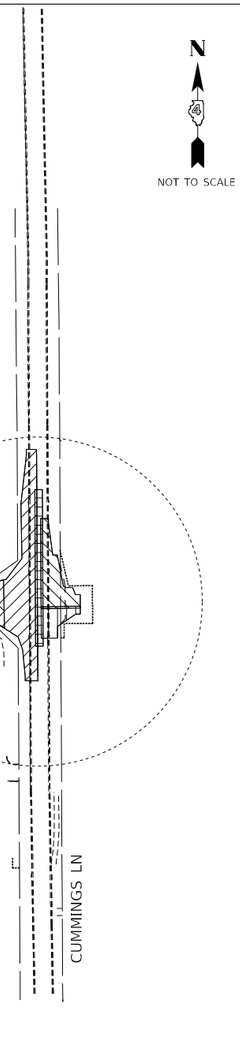
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NOT TO SCALE









PEDESTRIAN ACCESS GENERAL NOTES

THE CONTRACTOR MUST MAINTAIN A CONTINUOUS PEDESTRIAN ACCESS ROUTE FOR THE SHARED-USE PATH ALONG CUMMINGS LANE DURING CONSTRUCTION. THE CONTINUOUS PEDESTRIAN ACCESS ROUTE SHALL CONSIST OF EITHER EXISTING SIDEWALK, TEMPORARY SIDEWALK, OR PROPOSED FINAL CONDITION SIDEWALK AND/OR CROSSWALK (PAVEMENT). ALL TEMPORARY AND PROPOSED FINAL CONDITION SIDEWALK SHALL BE PROWAG COMPLIANT.

TEMPORARY SIDEWALK SHALL BE USED ONLY WHEN NECESSARY TO MAINTAIN AN ACCESSIBLE ROUTE. TEMPORARY PEDESTRIAN ACCESS ROUTE MUST CONSIST OF AN ALL-WEATHER SURFACE. TYPICAL THICKNESSES OF TEMPORARY SIDEWALK SHALL
BE 4" FOR PCC OR 2" FOR HMA.

ALL HAZARDS ADJACENT OR NEAR ACCESS ROUTES MUST BE CLEARLY DELINEATED.

THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS T0 ADJACENT PROPERTIES (WHERE APPLICABLE) BY INSTALLING ADA/PROWAG COMPLIANT PLYWOOD WALKWAY OR APPROVED EQUIVALENT. ACCESS SHALL BE UNINTERRUPTED UNTIL THE SIDEWALK IS FULLY RESTORED. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF SIGNAGE AND OTHER ITEMS TO ENSURE SAFE PEDESTRIAN ACCESS.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MOT/CONSTRUCTION STAGING
FREEDOM PARKWAY & CUMMINGS LANE

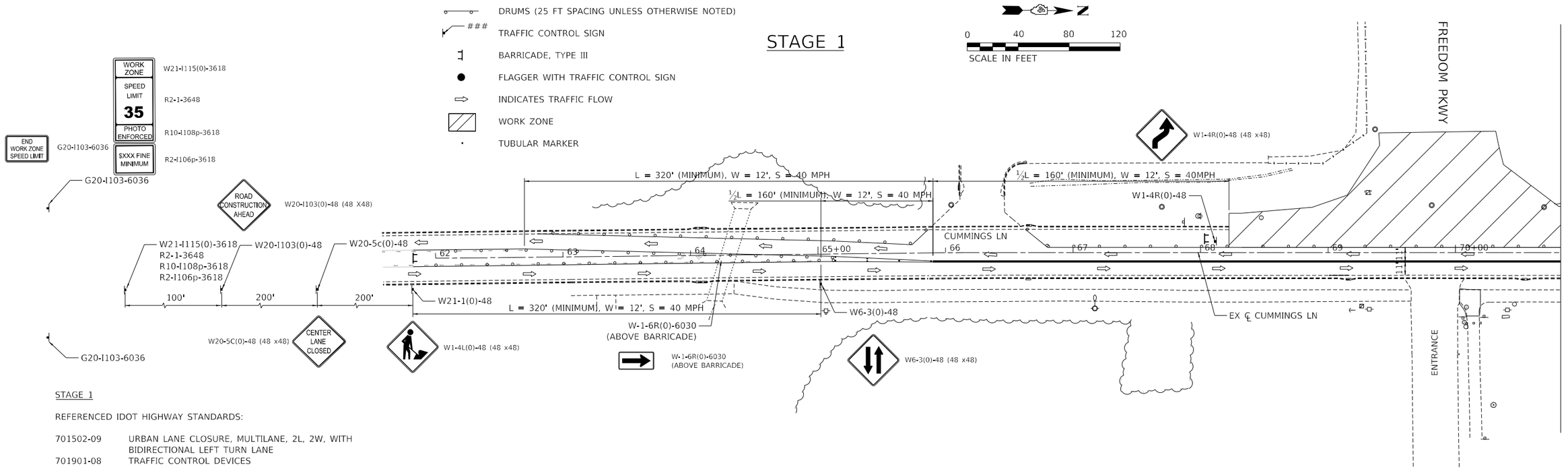
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	48
		CONTRACT NO. 89805		
	ILLINOIS	FED. AID PROJECT		

LEGEND

- DRUMS (25 FT SPACING UNLESS OTHERWISE NOTED)
- ### TRAFFIC CONTROL SIGN
- BARRICADE, TYPE III
- FLAGGER WITH TRAFFIC CONTROL SIGN
- INDICATES TRAFFIC FLOW
- WORK ZONE
- TUBULAR MARKER

STAGE 1



STAGE 1

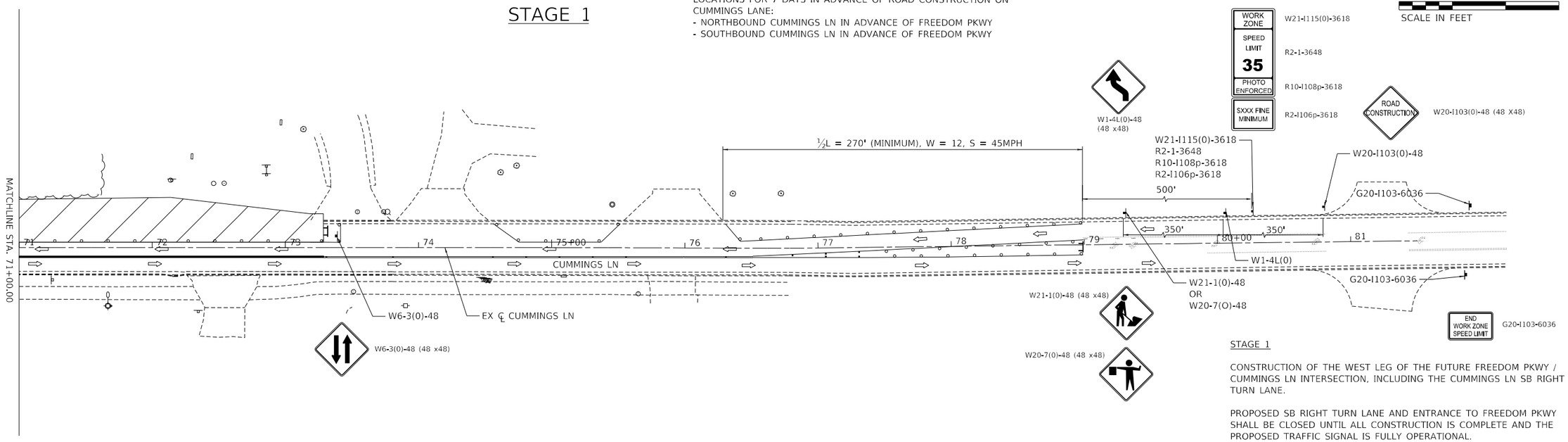
REFERENCED IDOT HIGHWAY STANDARDS:

701502-09	URBAN LANE CLOSURE, MULTILANE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701901-08	TRAFFIC CONTROL DEVICES

NOTE

PROVIDE PORTABLE CHANGEABLE MESSAGE SIGNS AT THE FOLLOWING LOCATIONS FOR 7 DAYS IN ADVANCE OF ROAD CONSTRUCTION ON CUMMINGS LANE:
- NORTHBOUND CUMMINGS LN IN ADVANCE OF FREEDOM PKWY
- SOUTHBOUND CUMMINGS LN IN ADVANCE OF FREEDOM PKWY

STAGE 1



STAGE 1

CONSTRUCTION OF THE WEST LEG OF THE FUTURE FREEDOM PKWY / CUMMINGS LN INTERSECTION, INCLUDING THE CUMMINGS LN SB RIGHT TURN LANE.

PROPOSED SB RIGHT TURN LANE AND ENTRANCE TO FREEDOM PKWY SHALL BE CLOSED UNTIL ALL CONSTRUCTION IS COMPLETE AND THE PROPOSED TRAFFIC SIGNAL IS FULLY OPERATIONAL.

STAGE 4 MAY COMMENCE AT CONCLUSION OF STAGE 1.

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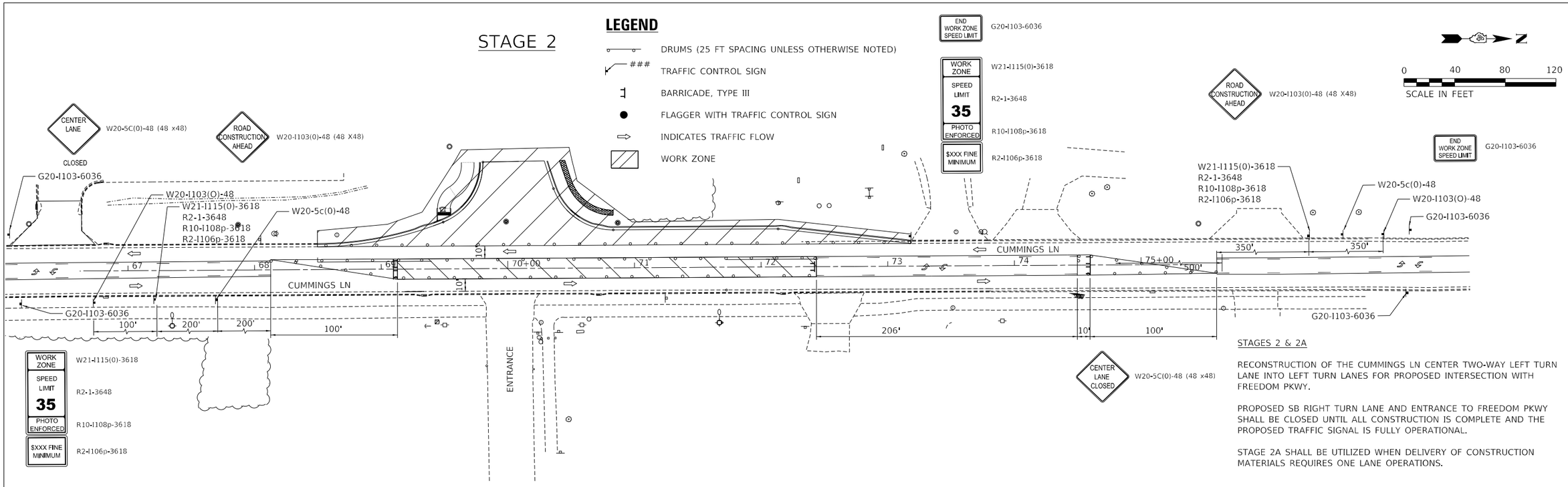
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	PLOT DATE = 3/16/2023	DATE - 2023/03/17	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	49
		CONTRACT NO. 89805		
		ILLINOIS	FED. AID PROJECT	

STAGE 2

LEGEND

- DRUMS (25 FT SPACING UNLESS OTHERWISE NOTED)
- ### TRAFFIC CONTROL SIGN
- BARRICADE, TYPE III
- FLAGGER WITH TRAFFIC CONTROL SIGN
- INDICATES TRAFFIC FLOW
- WORK ZONE



STAGES 2 & 2A

RECONSTRUCTION OF THE CUMMINGS LN CENTER TWO-WAY LEFT TURN LANE INTO LEFT TURN LANES FOR PROPOSED INTERSECTION WITH FREEDOM PKWY.

PROPOSED SB RIGHT TURN LANE AND ENTRANCE TO FREEDOM PKWY SHALL BE CLOSED UNTIL ALL CONSTRUCTION IS COMPLETE AND THE PROPOSED TRAFFIC SIGNAL IS FULLY OPERATIONAL.

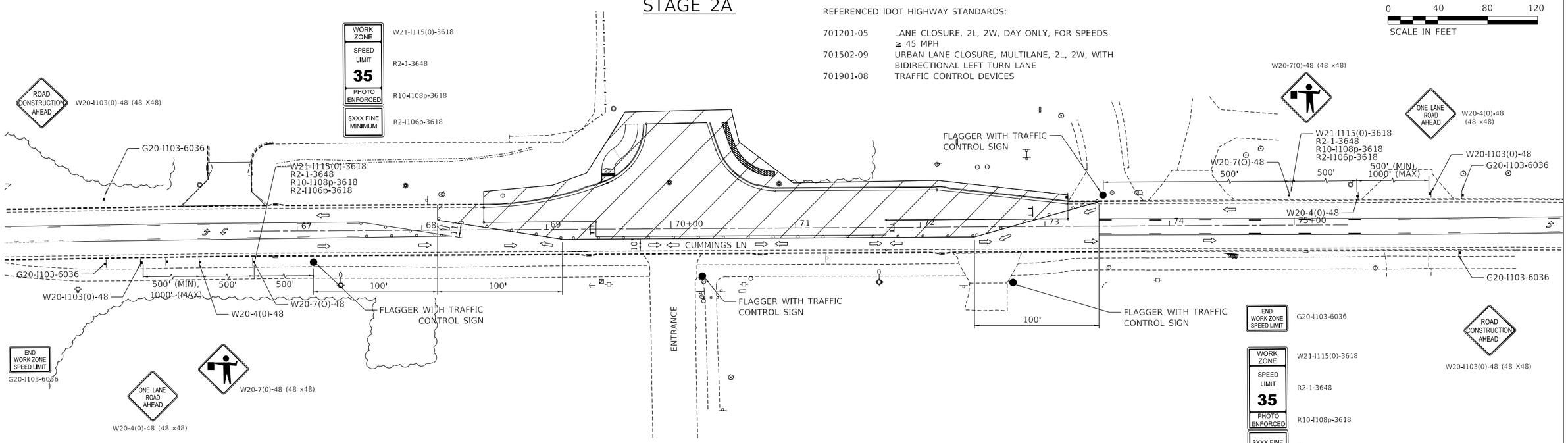
STAGE 2A SHALL BE UTILIZED WHEN DELIVERY OF CONSTRUCTION MATERIALS REQUIRES ONE LANE OPERATIONS.

STAGE 2A

STAGES 2 & 2A

REFERENCED IDOT HIGHWAY STANDARDS:

701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701502-09	URBAN LANE CLOSURE, MULTILANE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701901-08	TRAFFIC CONTROL DEVICES



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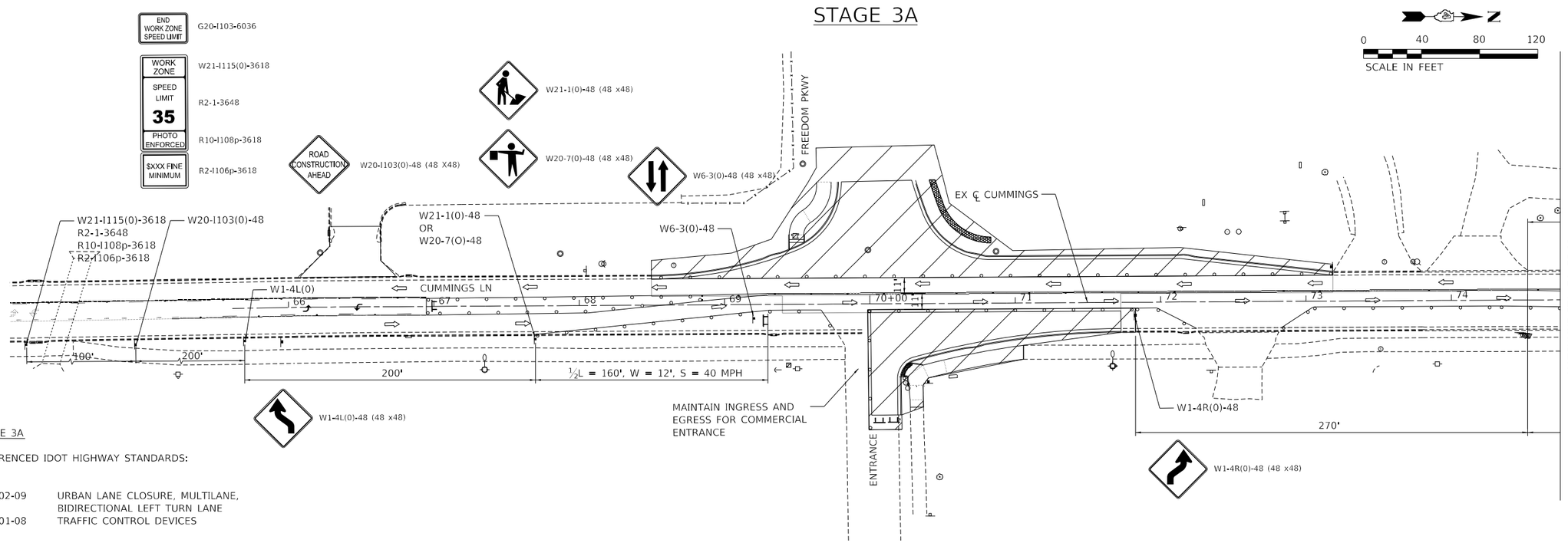
MOT/CONSTRUCTION STAGING
STAGE 2

SCALE: 40.0001 ' / in. SHEET 3 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	50
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		ILLINOIS	FED. AID PROJECT	

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STAGE 3A

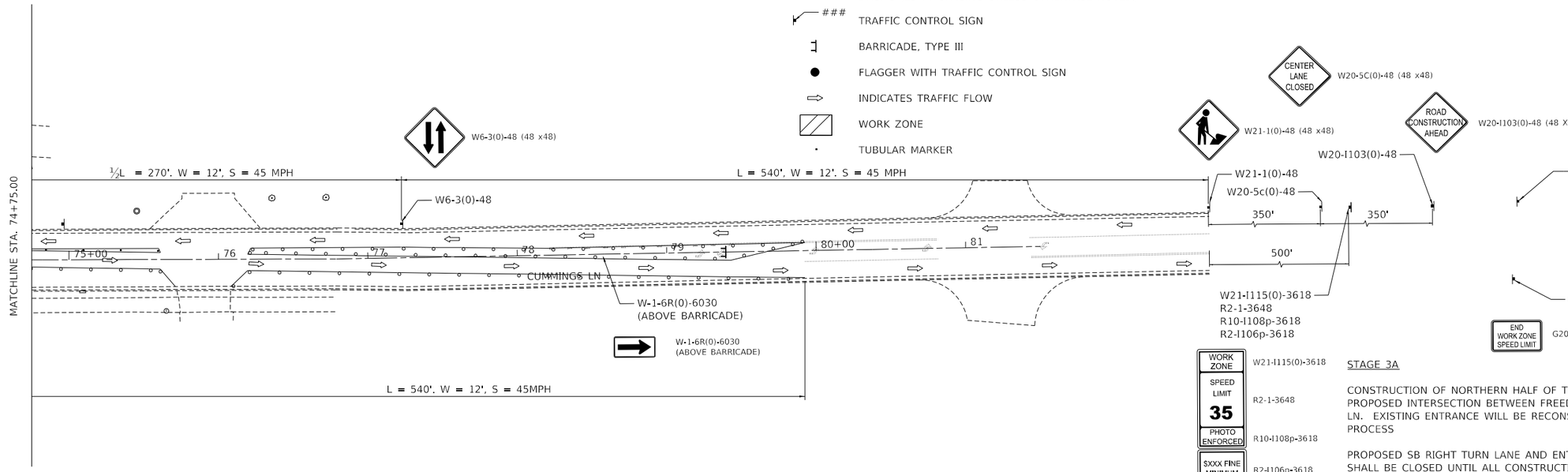


STAGE 3A

REFERENCED IDOT HIGHWAY STANDARDS:

701502-09	URBAN LANE CLOSURE, MULTILANE, BIDIRECTIONAL LEFT TURN LANE
701901-08	TRAFFIC CONTROL DEVICES

STAGE 3A



LEGEND

- DRUMS (25 FT SPACING UNLESS OTHERWISE NOTED)
- ### TRAFFIC CONTROL SIGN
- BARRICADE, TYPE III
- FLAGGER WITH TRAFFIC CONTROL SIGN
- INDICATES TRAFFIC FLOW
- WORK ZONE
- TUBULAR MARKER

STAGE 3A

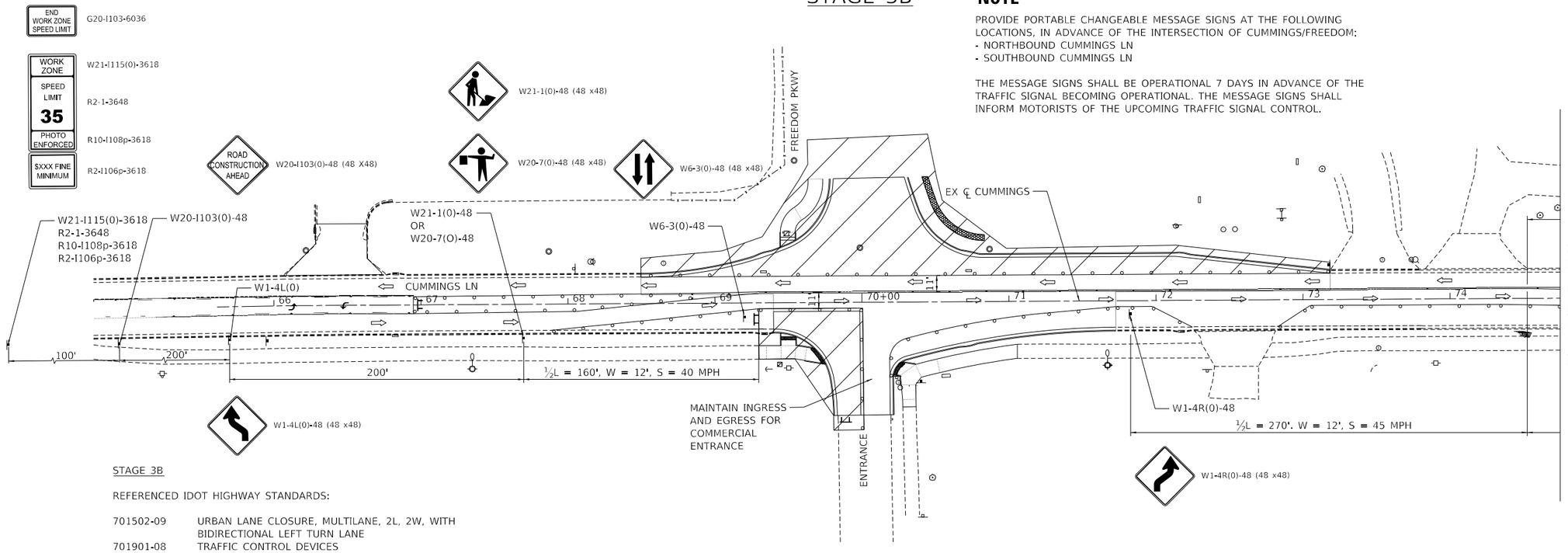
CONSTRUCTION OF NORTHERN HALF OF THE EAST LEG OF THE PROPOSED INTERSECTION BETWEEN FREEDOM PKWY AND CUMMINGS LN. EXISTING ENTRANCE WILL BE RECONSTRUCTED AS PART OF THIS PROCESS

PROPOSED SB RIGHT TURN LANE AND ENTRANCE TO FREEDOM PKWY SHALL BE CLOSED UNTIL ALL CONSTRUCTION IS COMPLETE AND THE PROPOSED TRAFFIC SIGNAL IS FULLY OPERATIONAL.

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	PLOT DATE = 3/16/2023	DATE - 2023/03/17	REVISED -						ILLINOIS FED. AID PROJECT		

STAGE 3B



STAGE 3B

REFERENCED IDOT HIGHWAY STANDARDS:

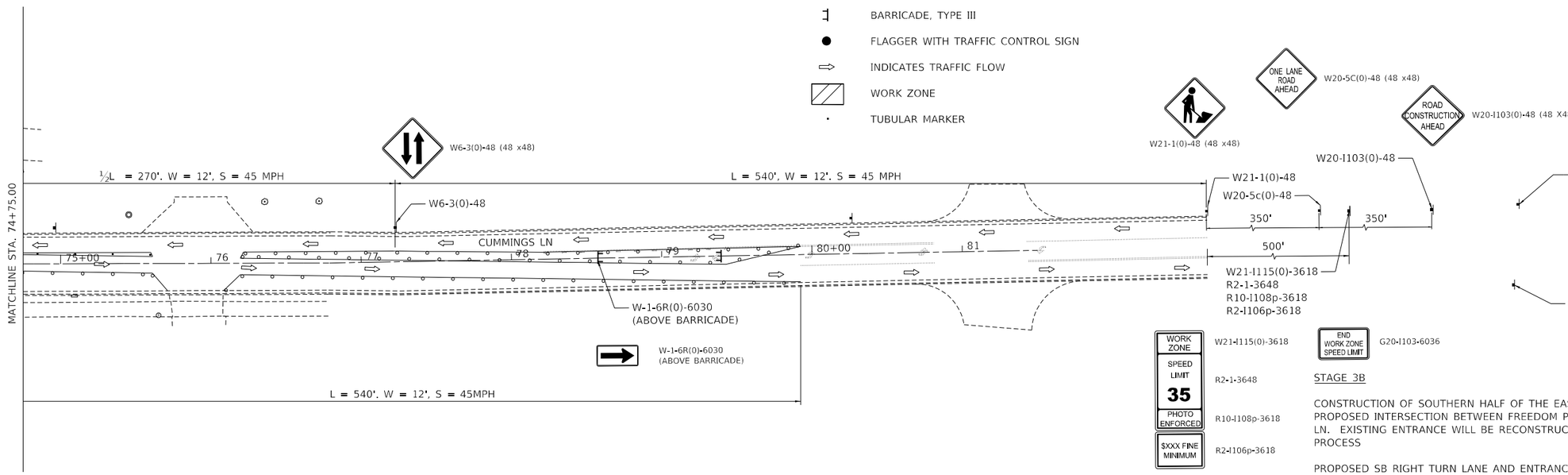
701502-09	URBAN LANE CLOSURE, MULTILANE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701901-08	TRAFFIC CONTROL DEVICES

NOTE

PROVIDE PORTABLE CHANGEABLE MESSAGE SIGNS AT THE FOLLOWING LOCATIONS, IN ADVANCE OF THE INTERSECTION OF CUMMINGS/FREEDOM:
- NORTHBOUND CUMMINGS LN
- SOUTHBOUND CUMMINGS LN

THE MESSAGE SIGNS SHALL BE OPERATIONAL 7 DAYS IN ADVANCE OF THE TRAFFIC SIGNAL BECOMING OPERATIONAL. THE MESSAGE SIGNS SHALL INFORM MOTORISTS OF THE UPCOMING TRAFFIC SIGNAL CONTROL.

STAGE 3B



LEGEND

- DRUMS (25 FT SPACING UNLESS OTHERWISE NOTED)
- ### TRAFFIC CONTROL SIGN
- BARRICADE, TYPE III
- FLAGGER WITH TRAFFIC CONTROL SIGN
- INDICATES TRAFFIC FLOW
- WORK ZONE
- TUBULAR MARKER

STAGE 3B

CONSTRUCTION OF SOUTHERN HALF OF THE EAST LEG OF THE PROPOSED INTERSECTION BETWEEN FREEDOM PKWY AND CUMMINGS LN. EXISTING ENTRANCE WILL BE RECONSTRUCTED AS PART OF THIS PROCESS

PROPOSED SB RIGHT TURN LANE AND ENTRANCE TO FREEDOM PKWY SHALL BE CLOSED UNTIL ALL CONSTRUCTION IS COMPLETE AND THE PROPOSED TRAFFIC SIGNAL IS FULLY OPERATIONAL.

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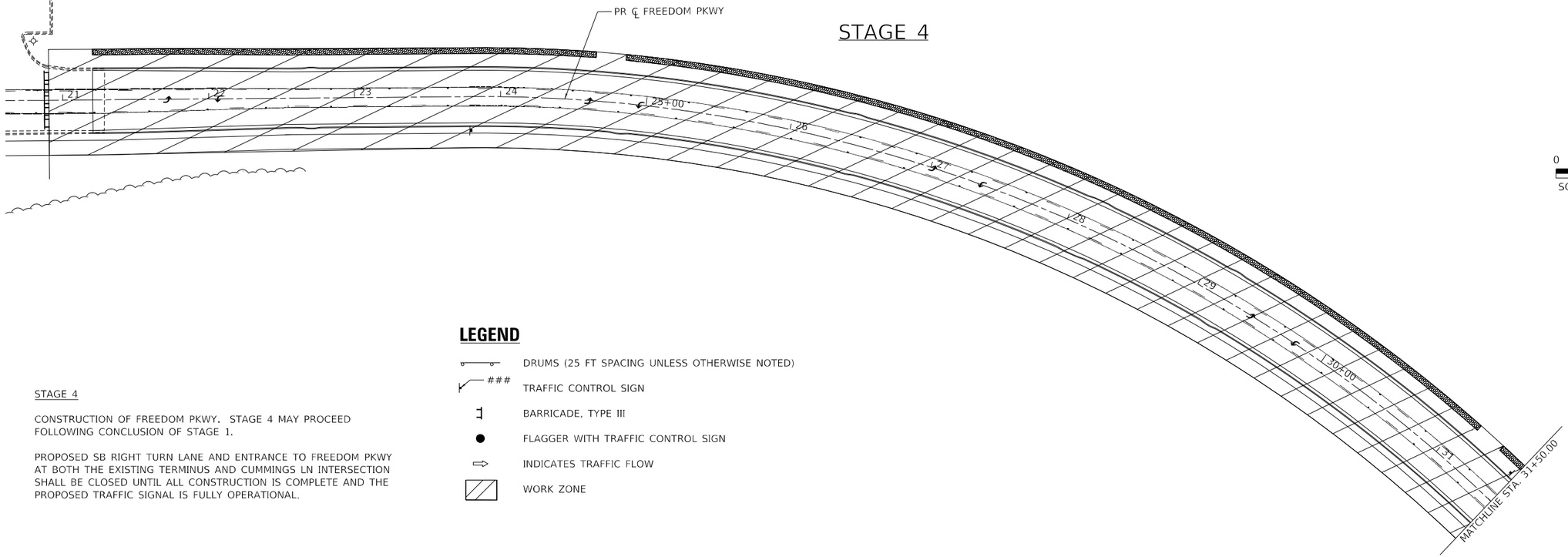
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MOT/CONSTRUCTION STAGING
STAGE 3B

SCALE: 40.0001 ' / in. SHEET 5 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	52
		CONTRACT NO. 89805		
	ILLINOIS FED. AID PROJECT			

STAGE 4



0 40 80 120
SCALE IN FEET

LEGEND

- DRUMS (25 FT SPACING UNLESS OTHERWISE NOTED)
- ### TRAFFIC CONTROL SIGN
- BARRICADE, TYPE III
- FLAGGER WITH TRAFFIC CONTROL SIGN
- INDICATES TRAFFIC FLOW
- WORK ZONE

STAGE 4

CONSTRUCTION OF FREEDOM PKWY. STAGE 4 MAY PROCEED FOLLOWING CONCLUSION OF STAGE 1.

PROPOSED SB RIGHT TURN LANE AND ENTRANCE TO FREEDOM PKWY AT BOTH THE EXISTING TERMINUS AND CUMMINGS LN INTERSECTION SHALL BE CLOSED UNTIL ALL CONSTRUCTION IS COMPLETE AND THE PROPOSED TRAFFIC SIGNAL IS FULLY OPERATIONAL.

STAGE 4

LEGEND

- DRUMS (25 FT SPACING UNLESS OTHERWISE NOTED)
- ### TRAFFIC CONTROL SIGN
- BARRICADE, TYPE III
- FLAGGER WITH TRAFFIC CONTROL SIGN
- INDICATES TRAFFIC FLOW
- WORK ZONE

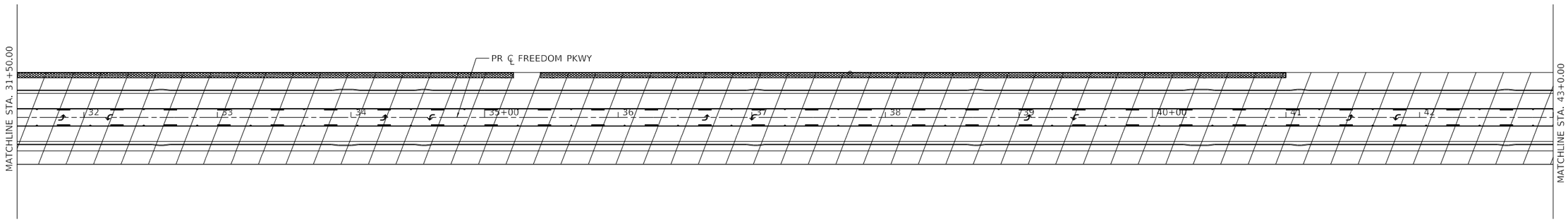
STAGE 4

CONSTRUCTION OF FREEDOM PKWY. STAGE 4 MAY PROCEED FOLLOWING CONCLUSION OF STAGE 1.

PROPOSED SB RIGHT TURN LANE AND ENTRANCE TO FREEDOM PKWY AT BOTH THE EXISTING TERMINUS AND CUMMINGS LN INTERSECTION SHALL BE CLOSED UNTIL ALL CONSTRUCTION IS COMPLETE AND THE PROPOSED TRAFFIC SIGNAL IS FULLY OPERATIONAL.

N

0 40 80 120
SCALE IN FEET



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MOT/CONSTRUCTION STAGING
STAGE 4

SCALE: 40.0001 ' / in. SHEET 6 OF 9 SHEETS STA. 21+00 TO STA. 43+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	53
		CONTRACT NO. 89805		
	ILLINOIS	FED. AID PROJECT		

STAGE 4

LEGEND

- DRUMS (25 FT SPACING UNLESS OTHERWISE NOTED)
- ### TRAFFIC CONTROL SIGN
- BARRICADE, TYPE III
- FLAGGER WITH TRAFFIC CONTROL SIGN
- INDICATES TRAFFIC FLOW
- WORK ZONE

STAGE 4

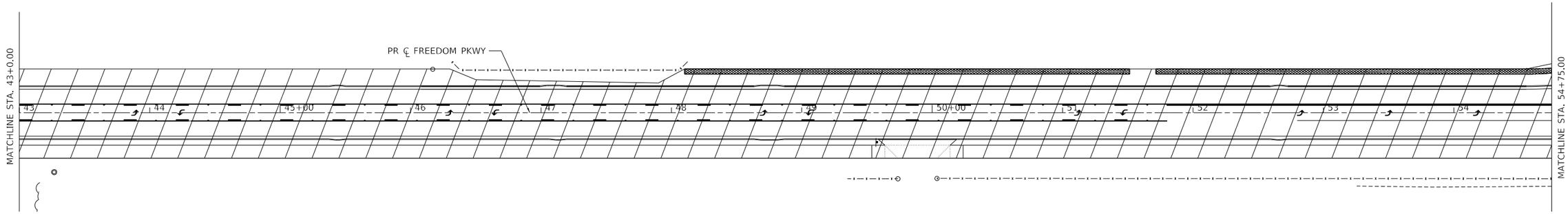
CONSTRUCTION OF FREEDOM PKWY. STAGE 4 MAY PROCEED FOLLOWING CONCLUSION OF STAGE 1.

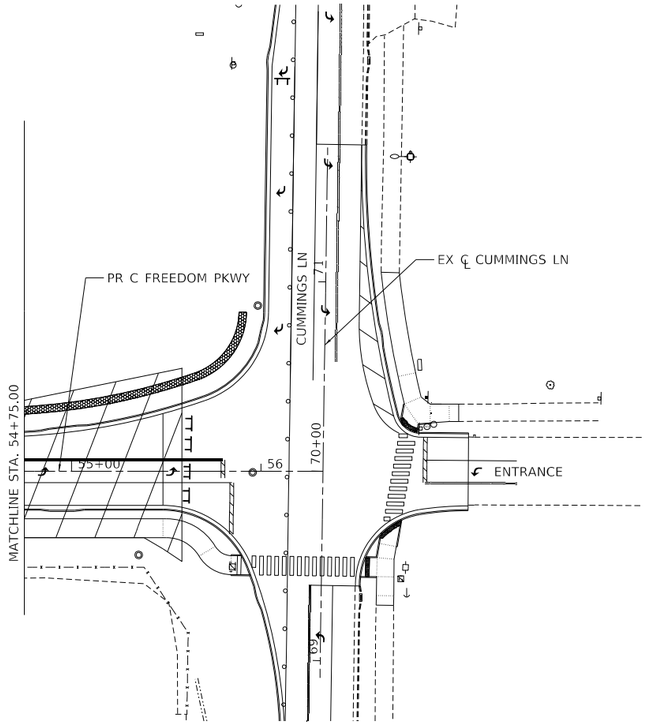
PROPOSED SB RIGHT TURN LANE AND ENTRANCE TO FREEDOM PKWY AT BOTH THE EXISTING TERMINUS AND CUMMINGS LN INTERSECTION SHALL BE CLOSED UNTIL ALL CONSTRUCTION IS COMPLETE AND THE PROPOSED TRAFFIC SIGNAL IS FULLY OPERATIONAL.

N

0 40 80 120

SCALE IN FEET





STAGE 4

N

0 40 80 120

SCALE IN FEET

LEGEND

- DRUMS (25 FT SPACING UNLESS OTHERWISE NOTED)
- ### TRAFFIC CONTROL SIGN
- BARRICADE, TYPE III
- FLAGGER WITH TRAFFIC CONTROL SIGN
- INDICATES TRAFFIC FLOW
- WORK ZONE

STAGE 4

CONSTRUCTION OF FREEDOM PKWY. STAGE 4 MAY PROCEED FOLLOWING CONCLUSION OF STAGE 1.

PROPOSED SB RIGHT TURN LANE AND ENTRANCE TO FREEDOM PKWY AT BOTH THE EXISTING TERMINUS AND CUMMINGS LN INTERSECTION SHALL BE CLOSED UNTIL ALL CONSTRUCTION IS COMPLETE AND THE PROPOSED TRAFFIC SIGNAL IS FULLY OPERATIONAL.

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TERRA ENGINEERING LTD.

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PLOT DATE	= 3/16/2023	DATE -	2023/03/17	REVISED	-

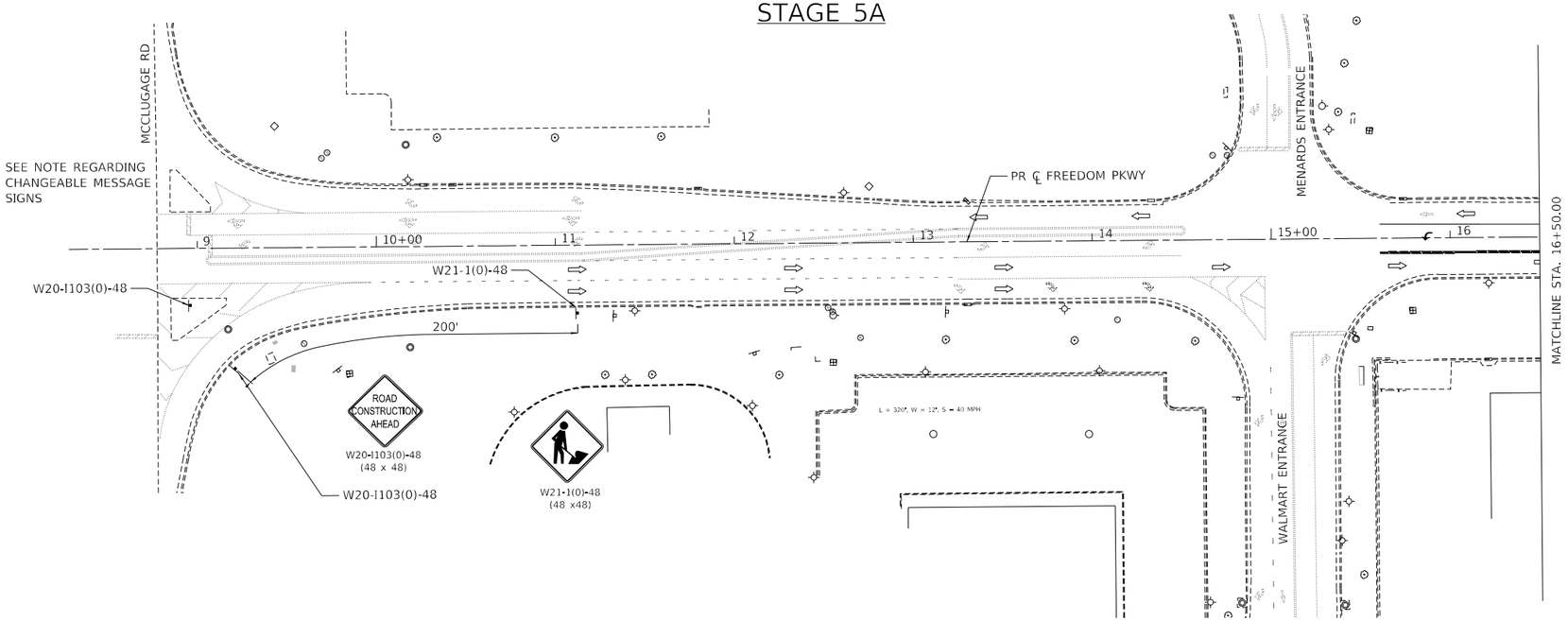
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

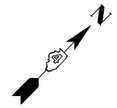
MOT/CONSTRUCTION STAGING
STAGE 4

SCALE: 40.0001 ' / in. SHEET 7 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	54
		CONTRACT NO. 89805		
	ILLINOIS	FED. AID PROJECT		

STAGE 5A







NOTE

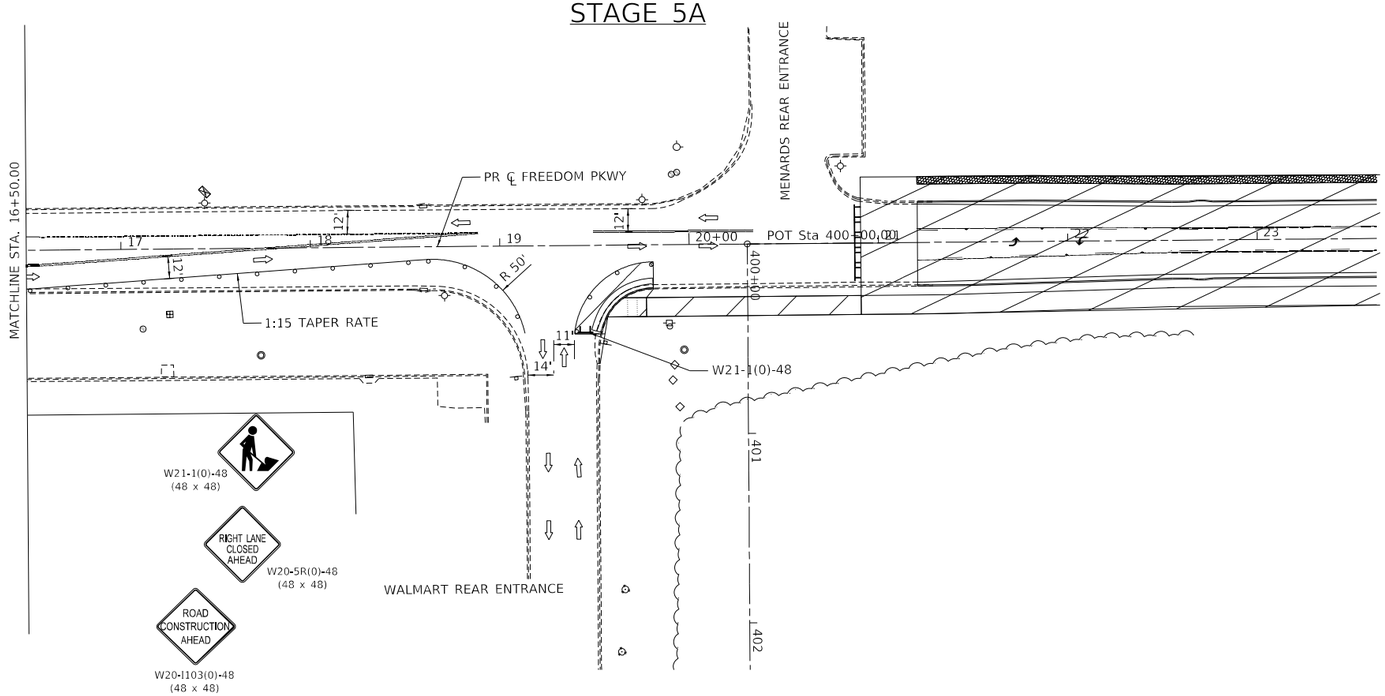
PROVIDE PORTABLE CHANGEABLE MESSAGE SIGNS AT THE FOLLOWING LOCATIONS, IN ADVANCE OF THE INTERSECTION OF McCLUGAGE/FREEDOM/CENTENNIAL:
- EASTBOUND CENTENNIAL DR
- NORTHBOUND McCLUGAGE RD
- SOUTHBOUND McCLUGAGE RD

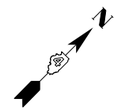
THE MESSAGE SIGNS SHALL BE OPERATIONAL 7 DAYS IN ADVANCE OF THE PROPOSED LANE CLOSURE ON FREEDOM PARKWAY, AND THROUGHOUT THE DURATION OF THE LANE CLOSURE. THEY SHALL INFORM MOTORISTS OF THE LANE CLOSURE ON FREEDOM PKWY.

LEGEND

- DRUMS (25 FT SPACING UNLESS OTHERWISE NOTED)
- ### — TRAFFIC CONTROL SIGN
- BARRICADE, TYPE III
- FLAGGER WITH TRAFFIC CONTROL SIGN
- INDICATES TRAFFIC FLOW
- WORK ZONE

STAGE 5A







STAGE 5A

REFERENCED IDOT HIGHWAY STANDARDS:

701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES

STAGE 5A

CONSTRUCTION OF OUTSIDE PORTIONS OF THE NEW SHARED USE PATH AND CURB RAMPS TO THE WEST OF THE EXISTING TERMINUS OF FREEDOM PKWY. EASTERNMOST SHARED USE PATH WILL TIE INTO THE SHARED USE PATH OF FREEDOM PKWY OUTLINED IN STAGE 4.

RIGHT TURN LANE ON WESTERNMOST CLOSURE WILL BE CLOSED AND TRAFFIC WILL BE REDIRECTED IN ACCORDANCE WITH IDOT HIGHWAY STANDARD 701701-10. ENTRANCE TO NEW LEG OF FREEDOM PKWY WILL REMAIN CLOSED TO TRAFFIC UNTIL INTERSECTION WITH CUMMINGS LN IS FULLY OPERATIONAL.

STAGE 5A MAY COMMENCE CONCURRENTLY WITH STAGE 1 AND IS SUCCEEDED BY STAGE 5B.

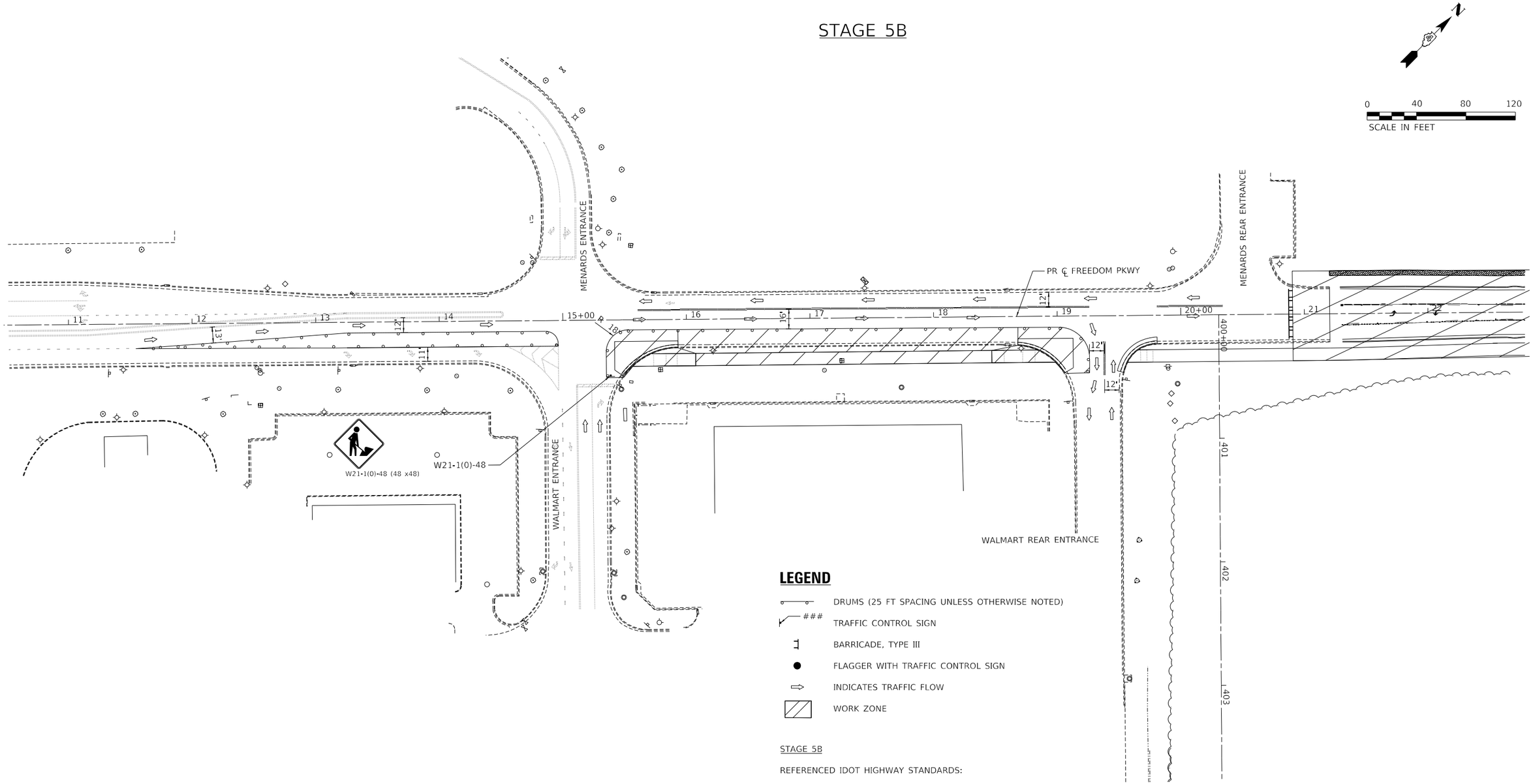
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TERRA ENGINEERING LTD.

USER NAME = AlphonseE	DESIGNED - CC	REVISED -	**STATE OF ILLINOIS**	**MOT/CONSTRUCTION STAGING**	
FILENAME = D420140-SHT-MOT-STAGE5A.dgn	DRAWN - AE	REVISED -	**DEPARTMENT OF TRANSPORTATION**	**STAGE 5A**	
PLOT SCALE = 40.0001 ' / in.	CHECKED - ET	REVISED -		SCALE: 40.0001 ' / in. SHEET 8 OF 9 SHEETS STA. 50+00 TO STA. 54+50	
PLOT DATE = 3/16/2023	DATE - 2023/03/17	REVISED -			

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	55
		CONTRACT NO. 89805		
		ILLINOIS	FED. AID PROJECT	

STAGE 5B



LEGEND

- DRUMS (25 FT SPACING UNLESS OTHERWISE NOTED)
- ### TRAFFIC CONTROL SIGN
- BARRICADE, TYPE III
- FLAGGER WITH TRAFFIC CONTROL SIGN
- INDICATES TRAFFIC FLOW
- WORK ZONE

STAGE 5B

REFERENCED IDOT HIGHWAY STANDARDS:

701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES

STAGE 5B

CONSTRUCTION OF INSIDE PORTIONS OF THE NEW SHARED USE PATH AND CURB RAMPS TO THE WEST OF THE EXISTING TERMINUS OF FREEDOM PKWY.

ENTRANCE TO NEW LEG OF FREEDOM PKWY WILL REMAIN CLOSED TO TRAFFIC UNTIL INTERSECTION WITH CUMMINGS LN IS FULLY OPERATIONAL.

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TERRA ENGINEERING LTD.	USER NAME = AlphonseE	DESIGNED - CC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MOT/CONSTRUCTION STAGING STAGE 5B	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 3/16/2023	DATE - 2023/03/17	REVISED -					ILLINOIS FED. AID PROJECT		

EX ROW

WALMART ENTRANCE

FREEDOM PKWY

12 | 13 | 14 | 15+00 | 16 | 17

PR ℄ FREEDOM PKWY

EX ROW

SHARED-USE PATH

WALMART ENTRANCE

PR TEMP EASEMENT

MATCHLINE 18+00

N

0 20 40 60

SCALE IN FEET

MATCHLINE 18+00

EX ROW

PR TEMP EASEMENT

PR BIOSWALE

10.00' (TYP.)

STABILIZED CONSTRUCTION ENTRANCE

18 | 19 | 20+00 | 21 | 22 | 23

20.00'

10.00' (TYP.)

60.00'

400+00

PR ℄ FREEDOM PKWY

SHARED-USE PATH

SHARED-USE PATH

MATCHLINE 24+00

18+78.73
47.87' RT

19+06.17
47.88' RT

19+53.26
47.89' RT

19+99.88
47.90' RT

PR TEMP EASEMENT

18+78.73
60.37' RT

20+19.97
61.54' RT

20+83.35
49.91' RT

+20.56

EX EASEMENT

EX ROW

PR TEMP EASEMENT

EX ROW

+79.12

MATCHLINE 401+00

N

0 20 40 60

SCALE IN FEET

LEGEND

- TEMPORARY DITCH CHECK
- PERIMETER EROSION BARRIER
- TEMPORARY EROSION CONTROL SEEDING AND MULCH, METHOD 2
- INLET FILTER
- RIP RAP
- TEMPORARY STABILIZED CONSTRUCTION ENTRANCE

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TERRA ENGINEERING LTD.

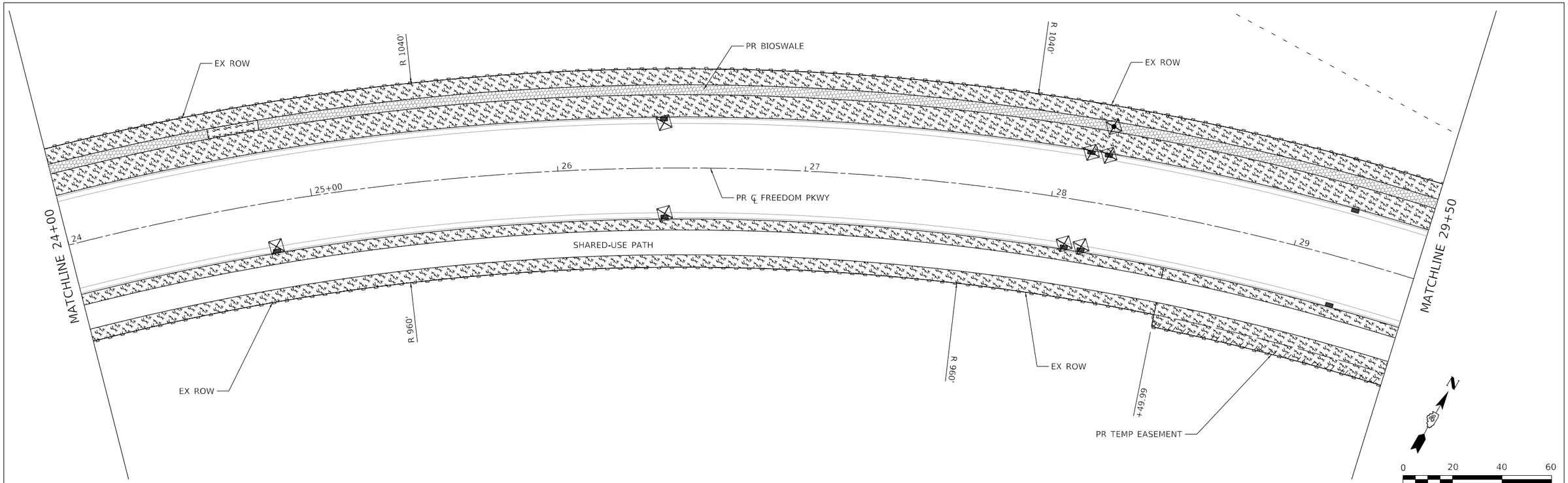
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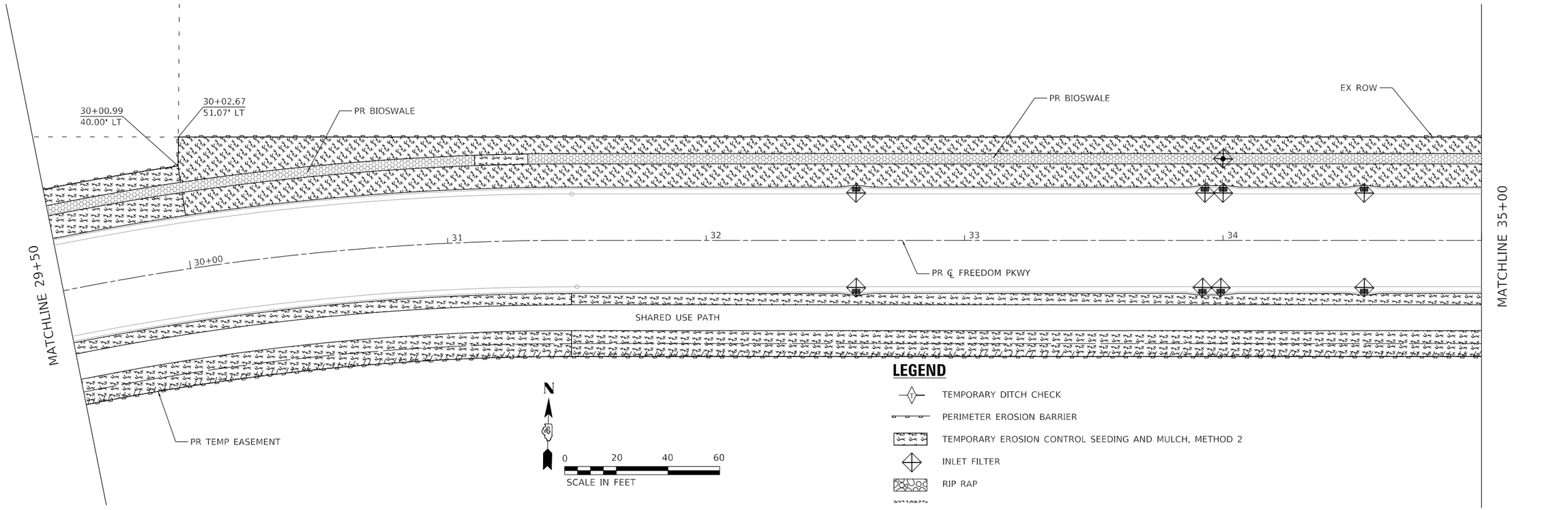
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLANS
FREEDOM PARKWAY

SCALE: 20.0000 ' / in. SHEET 1 OF 6 SHEETS STA. 12+00 TO STA. 24+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	57
		CONTRACT NO. 89805		
		ILLINOIS	FED. AID PROJECT	





LEGEND

- TEMPORARY DITCH CHECK
- PERIMETER EROSION BARRIER
- TEMPORARY EROSION CONTROL SEEDING AND MULCH, METHOD 2
- INLET FILTER
- RIP RAP

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TERRA ENGINEERING LTD.

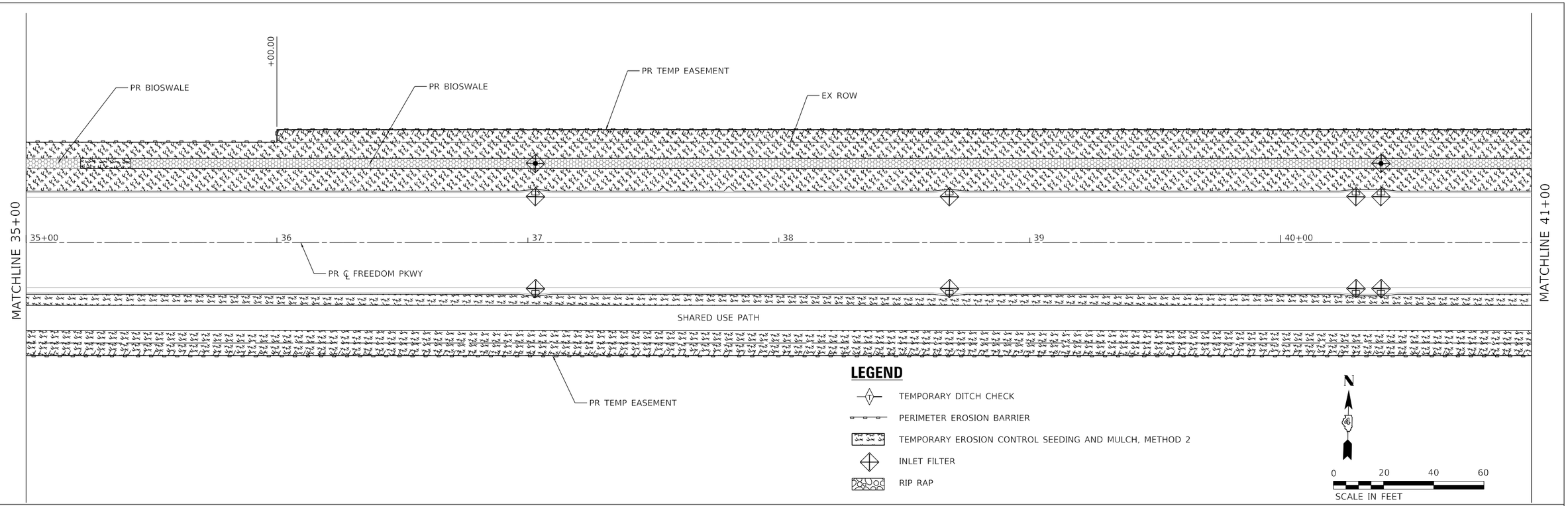
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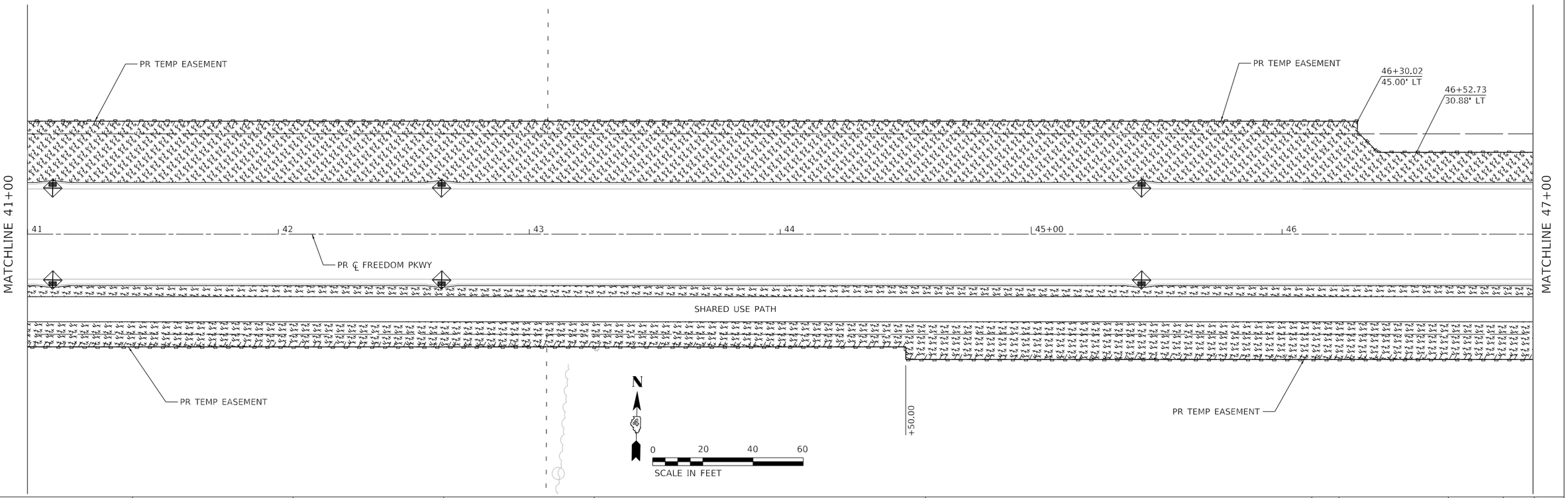
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLANS
FREEDOM PARKWAY

SCALE: 20.0000 ' / in. SHEET 2 OF 6 SHEETS STA. 24+00 TO STA. 35+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	58
		CONTRACT NO. 89805		
		ILLINOIS	FED. AID PROJECT	





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TERRA ENGINEERING LTD.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLANS
FREEDOM PARKWAY

SCALE: 20.0000 ' / in. SHEET 3 OF 6 SHEETS STA. 35+00 TO STA. 47+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	59
		CONTRACT NO. 89805		
		ILLINOIS	FED. AID PROJECT	

MATCHLINE 47+00

MATCHLINE 51+00

EX ROW

48+13.47
40.00' LT

48+05.93
32.58' LT

PR BIOSWALE

EX ROW

PR TEMP EASEMENT

+74.99

EX ROW

PR BIOSWALE

47 | 48 | 49 | 50+00 | 51 | 52

PR ℄ FREEDOM PKWY

PR ℄ FREEDOM PKWY

SHARED USE PATH

SHARED USE PATH

+02.70

PR TEMP EASEMENT

+62.70

PR TEMP EASEMENT

EX ROW

PR TEMP EASEMENT

N

0 20 40 60

SCALE IN FEET

MATCHLINE 53+00

55+38.12
60.21' LT

EX ROW

PR TEMP EASEMENT

54+81.35
45.00' LT

PR TEMP EASEMENT

PR BIOSWALE

EX ROW

PR ℄ CUMMINGS LN

10.00' (TYP.)

STABILIZED CONSTRUCTION ENTRANCE

15.00'

10.00'

53+00

60.00'

10.00' (TYP.)

53 | 54 | 56

70+00

PR ℄ FREEDOM PKWY

SHARED USE PATH

EX ROW

55+07.22
45.00' RT

55+07.22
50.00' RT

55+47.08
50.00' RT

EX ROW

PR TEMP EASEMENT

EX EASEMENT

69

N

0 20 40 60

SCALE IN FEET

LEGEND

- TEMPORARY DITCH CHECK
- PERIMETER EROSION BARRIER
- TEMPORARY EROSION CONTROL SEEDING AND MULCH, METHOD 2
- INLET FILTER
- RIP RAP
- TEMPORARY STABILIZED CONSTRUCTION ENTRANCE

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TERRA ENGINEERING LTD.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLANS
FREEDOM PARKWAY

SCALE: 20.0000 ' / in. SHEET 4 OF 6 SHEETS STA. 47+00 TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	60
		CONTRACT NO. 89805		
		ILLINOIS	FED. AID PROJECT	

MATCHLINE 67+00

69+48.76
84.90' LT

+49.81

EX EASEMENT

EX ROW

69+09.47
44.92' LT

EX ROW

PR ℄ FREEDOM PKWY

56'

EX ROW

70+94.35
44.85' LT

EX ROW

+18.60

EX ROW

CUMMINGS LN

68

69

70+00

71

72

73

EX ℄ CUMMINGS LN

EX ℄ CUMMINGS LN

SHARED-USE PATH

SHARED-USE PATH

DRIVEWAY

EX ROW

69+29.78
53.02' RT

PR TEMP EASEMENT

69+60.06
53.03' RT

PR TEMP EASEMENT

69+60.05
76.81' RT

70+40.69
76.36' RT

PR TEMP EASEMENT

70+40.53
62.40' RT

PR ROW

71+15.96
45.11' RT

EX ROW

71+72.55
45.17' RT

EX ROW

0 20 40 60
SCALE IN FEET

64+69.25
77.36' LT

64+67.69
61.68' LT

64+51.45
61.93' LT

PR TEMP EASEMENT

64+51.45
46.93' LT

SEE DRAINAGE PLANS FOR RIPRAP INFORMATION

64+71.08
20.65' LT

EX EASEMENT

66+22.19
64.27' LT

66+22.28
58.18' LT

66+28.48
58.06' LT

66+08.74
20.55' LT

66+63.68
57.36' LT

EX ROW

DRIVEWAY

66+73.51
20.79' LT

64

65+00

66

67

EX ℄ CUMMINGS LN

EX ROW

MATCHLINE 67+00

0 20 40 60
SCALE IN FEET

LEGEND

- TEMPORARY DITCH CHECK
- PERIMETER EROSION BARRIER
- TEMPORARY EROSION CONTROL SEEDING AND MULCH, METHOD 2
- INLET FILTER
- RIP RAP
- TEMPORARY STABILIZED CONSTRUCTION ENTRANCE

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TERRA ENGINEERING LTD.

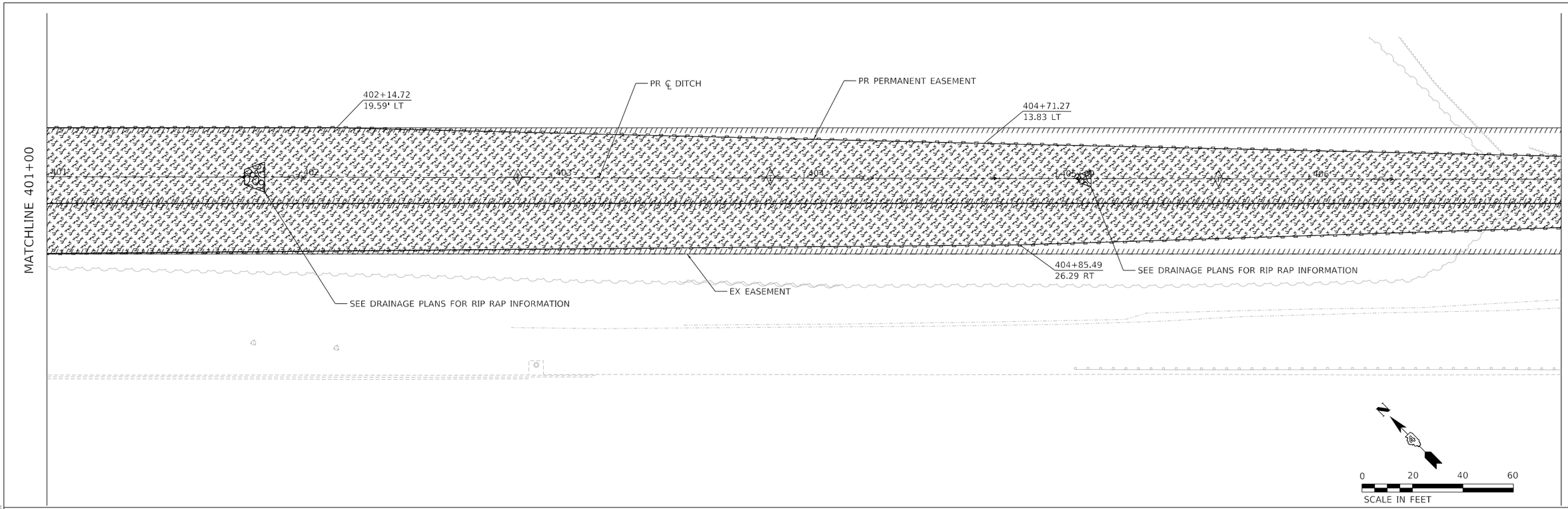
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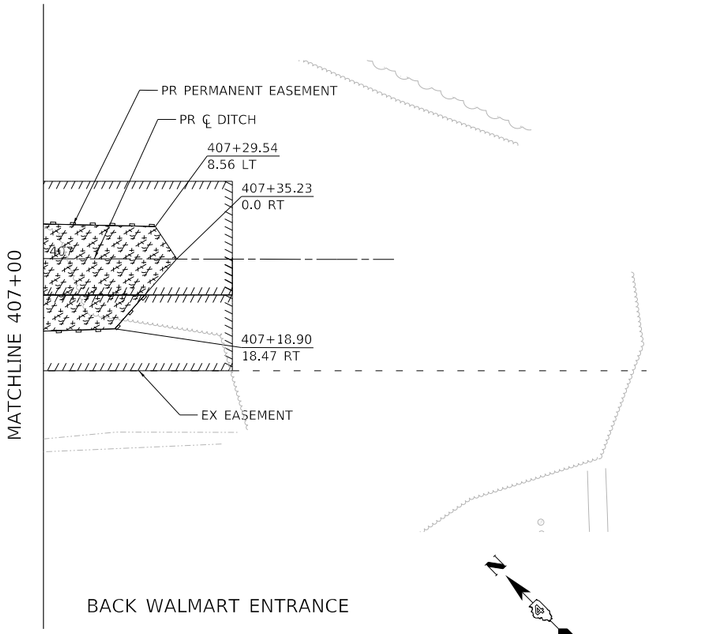
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DEPARTMENT OF TRANSPORTATION

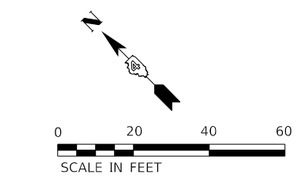
EROSION CONTROL PLANS
FREEDOM PARKWAY & CUMMINGS LANE

SCALE: 20.0000 ' / in. SHEET 5 OF 6 SHEETS STA. 67+50 TO STA. 73+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	61
		CONTRACT NO. 89805		
		ILLINOIS	FED. AID PROJECT	







LEGEND

- TEMPORARY DITCH CHECK
- PERIMETER EROSION BARRIER
- TEMPORARY EROSION CONTROL SEEDING AND MULCH, METHOD 2
- INLET FILTER
- RIP RAP

MODEL: Default
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TERRA ENGINEERING LTD.

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PLOT DATE	= 3/16/2023	DATE	- 2023/03/17	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLANS
DITCH

SCALE: 20.0000 ' / in. SHEET 6 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	62
		CONTRACT NO. 89805		
	ILLINOIS	FED. AID PROJECT		

PIN ID: 02-02-16-302-007
1997 FREEDOM PKWY
ALDI INC % RYAN TAX COMPLIANCE SERV LLC
P O BOX 460049 DEPT 501, HOUSTON TX 77056

MENARDS ENTRANCE

EX ROW

56'

FREEDOM PKWY

PR ℄ FREEDOM PKWY

12 | 13 | 14 | 15+00 | 16 | 17

48'

EX ROW

15+72.81
47.79' RT

15+72.81
60.29' RT

12.5'

12.5'

EX ROW

PR TEMP EASEMENT

MATCHLINE 18+00

WALMART ENTRANCE

02-02-16-301-002
1986 FREEDOM PKWY
WHITE OAKS REALTY LLC %
JULIE WALDSCHMIDT
7625 N UNIVERSITY ST SUITE C,
PEORIA IL 61614

PIN ID: 02-02-16-301-006
1980 FREEDOM PKWY
WAL-MART STORES INC
PROPERTY TAX DEPT

PIN ID: 02-02-16-301-001
1960 - 1970 FREEDOM PKWY
GOLDEN REALTY LLC
104 OAK RIDGE CT
EAST PEORIA IL 61611

0 20 40 60
SCALE IN FEET

MATCHLINE 18+00

PIN ID: 02-02-16-302-001
1975 FREEDOM PKWY
MENARD INC ATTN: CORPORATE ACCTING
4777 MENARD DR, EAU CLAIRE WI 54703

MENARDS ENTRANCE

EX ROW

20+00.01
56.10' LT

20+00.01
40.12' LT

21+20.57
50.08' LT

21+20.57
40.08' LT

PR TEMP EASEMENT

23+79.12
50.00' LT

23+79.12
40.00' LT

56'

PR ℄ FREEDOM PKWY

40'

FREEDOM PKWY

18 | 19 | 20+00 | 21 | 22 | 23

400+00

PR ℄ DITCH

19+99.98
39.88' RT

21+37.74
39.92' RT

40'

48'

EX PARCEL BOUNDARY

EX ROW

23+79.12
40.00' RT

18+78.73
47.87' RT

19+99.98
47.90' RT

20+19.97
61.54' RT

EX EASEMENT

10'

12.5'

18+78.73
60.37' RT

18+93.72
62.87' RT

WALMART ENTRANCE

20+49.97
56.03' RT

20+83.35
49.91' RT

PR TEMP EASEMENT

23+79.12
50.00' RT

18+93.72
67.87' RT

20'

30'

PIN ID: 02-02-16-400-035
WASHINGTON RD
KINGSBURY PROPERTIES LLC
7625 N UNIVERSITY ST SUITE C, PEORIA IL 61614

PIN ID: 02-02-16-301-001
1960 - 1970 FREEDOM PKWY
GOLDEN REALTY LLC
104 OAK RIDGE CT
EAST PEORIA IL 61611

PIN ID: 02-02-16-301-006
1980 FREEDOM PKWY
WAL-MART STORES INC PROPERTY TAX DEPT

EX EASEMENT

PR PERM EASEMENT

0 20 40 60
SCALE IN FEET

MATCHLINE 24+00

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TERRA ENGINEERING LTD.

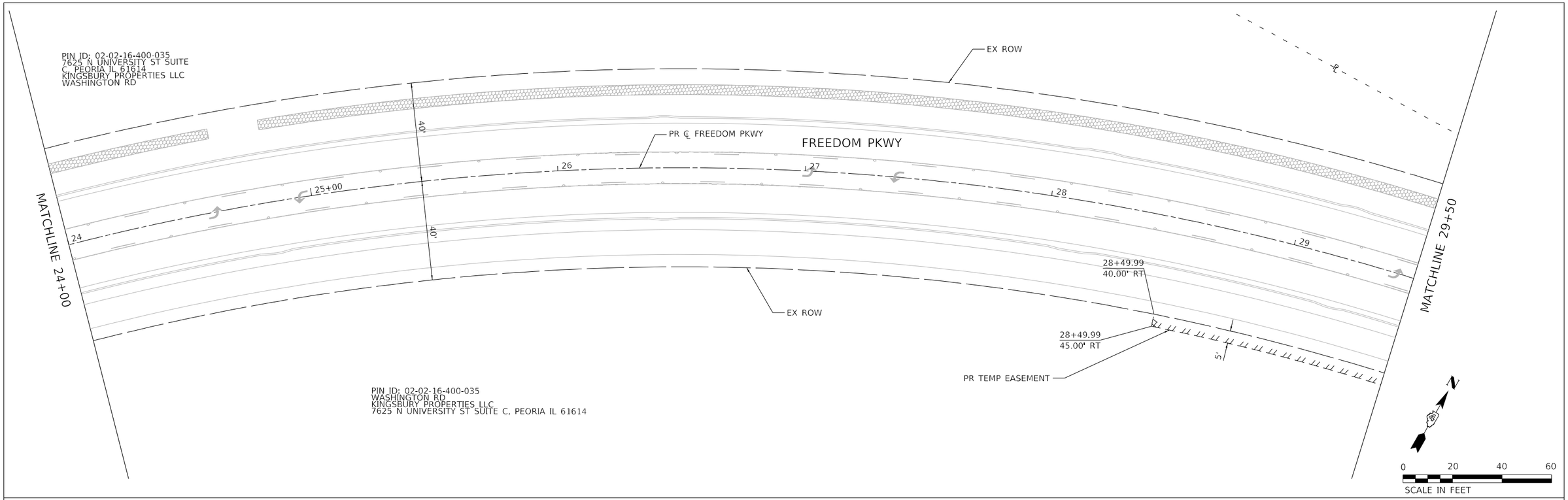
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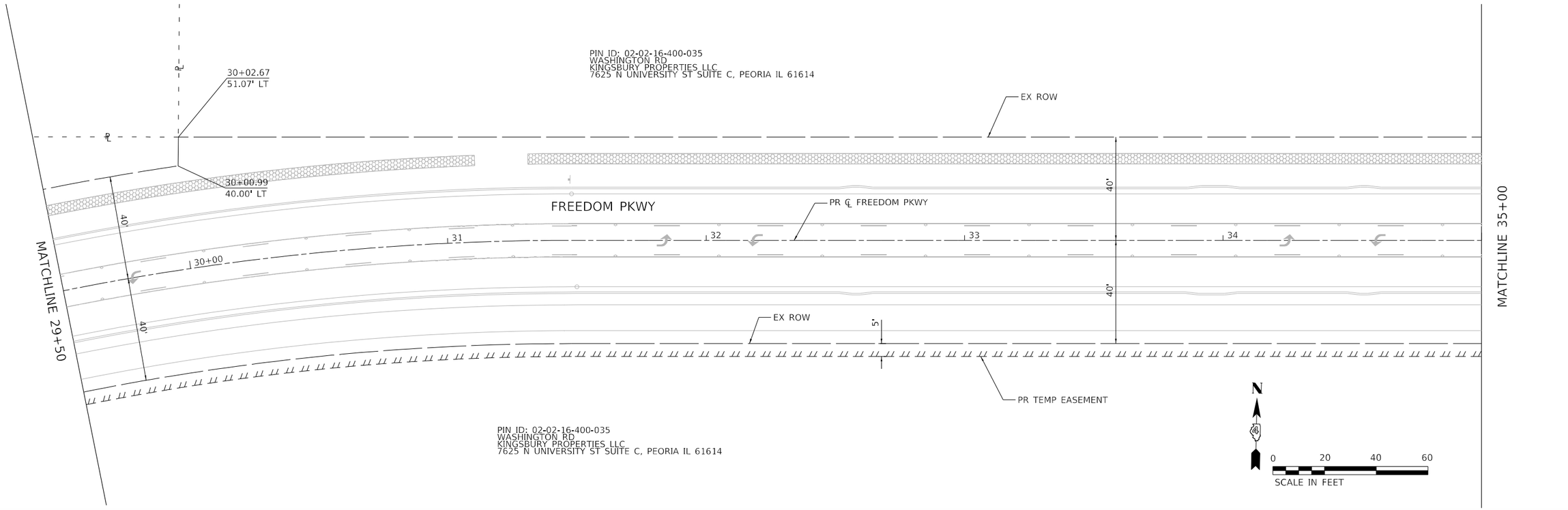
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY PLANS
FREEDOM PARKWAY

SCALE: 20.0000 ' / in. SHEET 1 OF 6 SHEETS STA. 12+00 TO STA. 24+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	63
		CONTRACT NO. 89805		
	ILLINOIS FED. AID PROJECT			





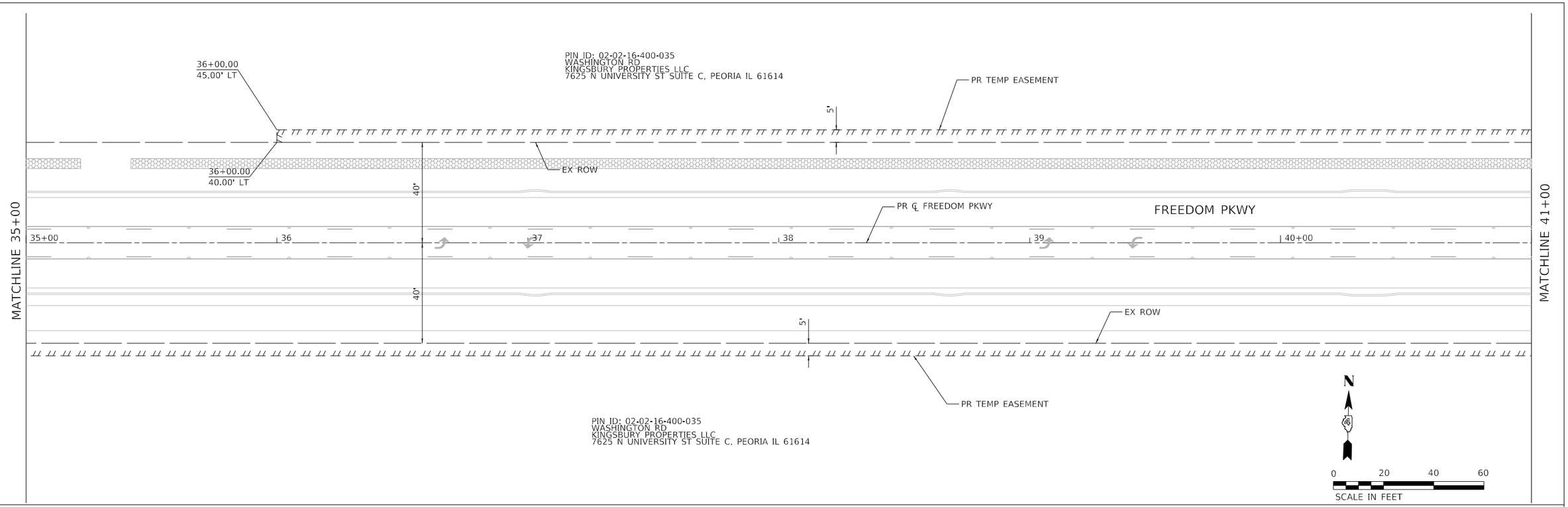
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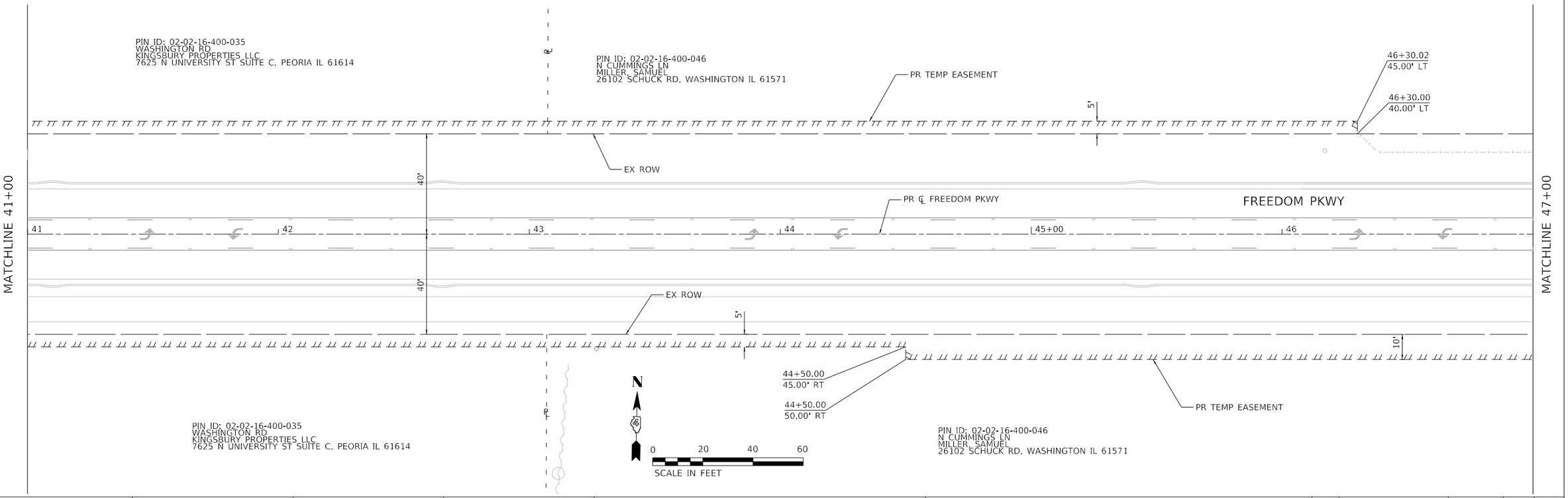
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	PLOT DATE = 3/16/2023	DATE - 2023/03/17	REVISED -	

RIGHT-OF-WAY PLANS
FREEDOM PARKWAY

SCALE: 20.0000 ' / in. SHEET 2 OF 6 SHEETS STA. 24+00 TO STA. 35+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	64
		CONTRACT NO. 89805		
		ILLINOIS	FED. AID PROJECT	





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TERRA ENGINEERING LTD.

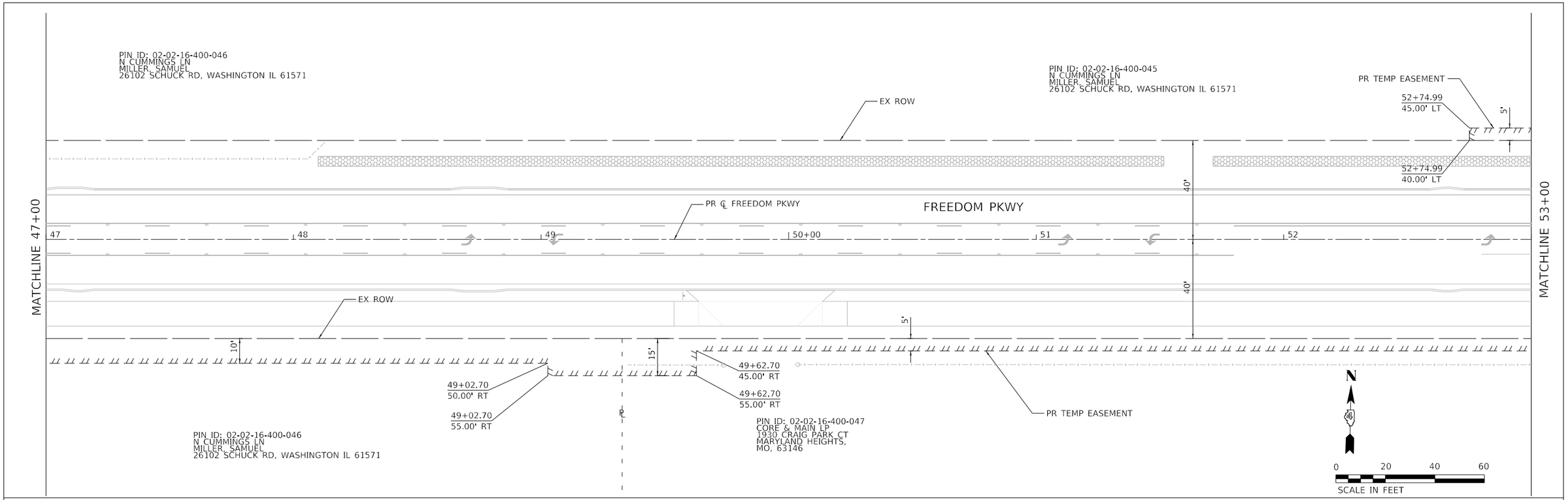
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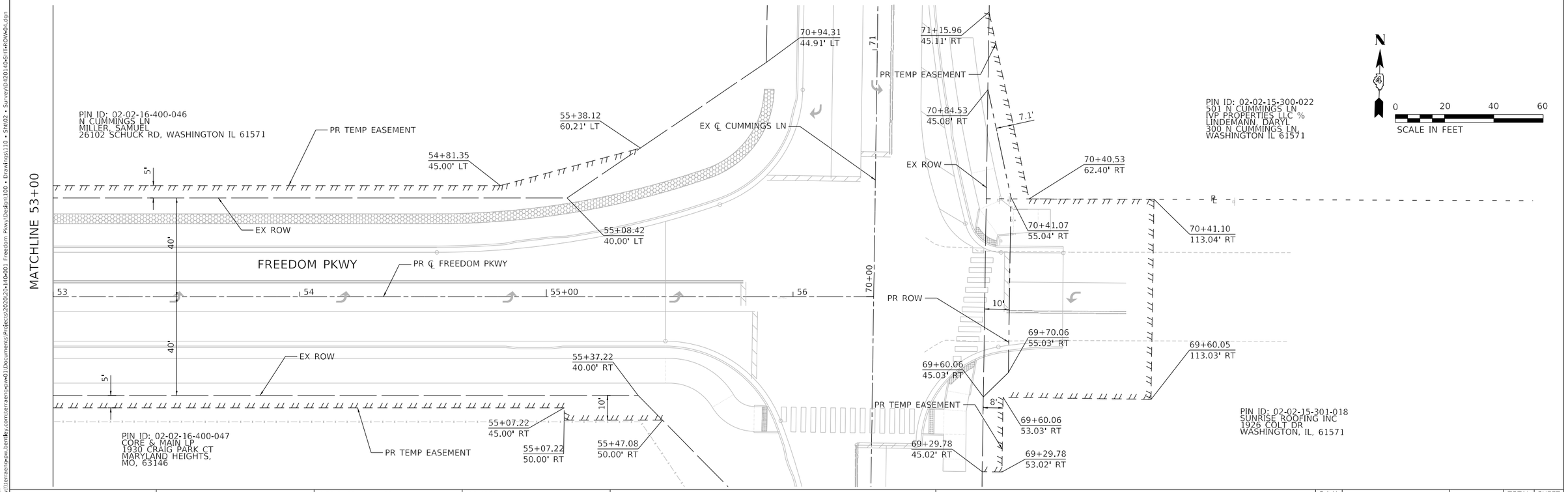
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY PLANS
FREEDOM PARKWAY

SCALE: 20.0000 ' / in. SHEET 3 OF 6 SHEETS STA. 35+00 TO STA. 47+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	65
		CONTRACT NO. 89805		
		ILLINOIS	FED. AID PROJECT	





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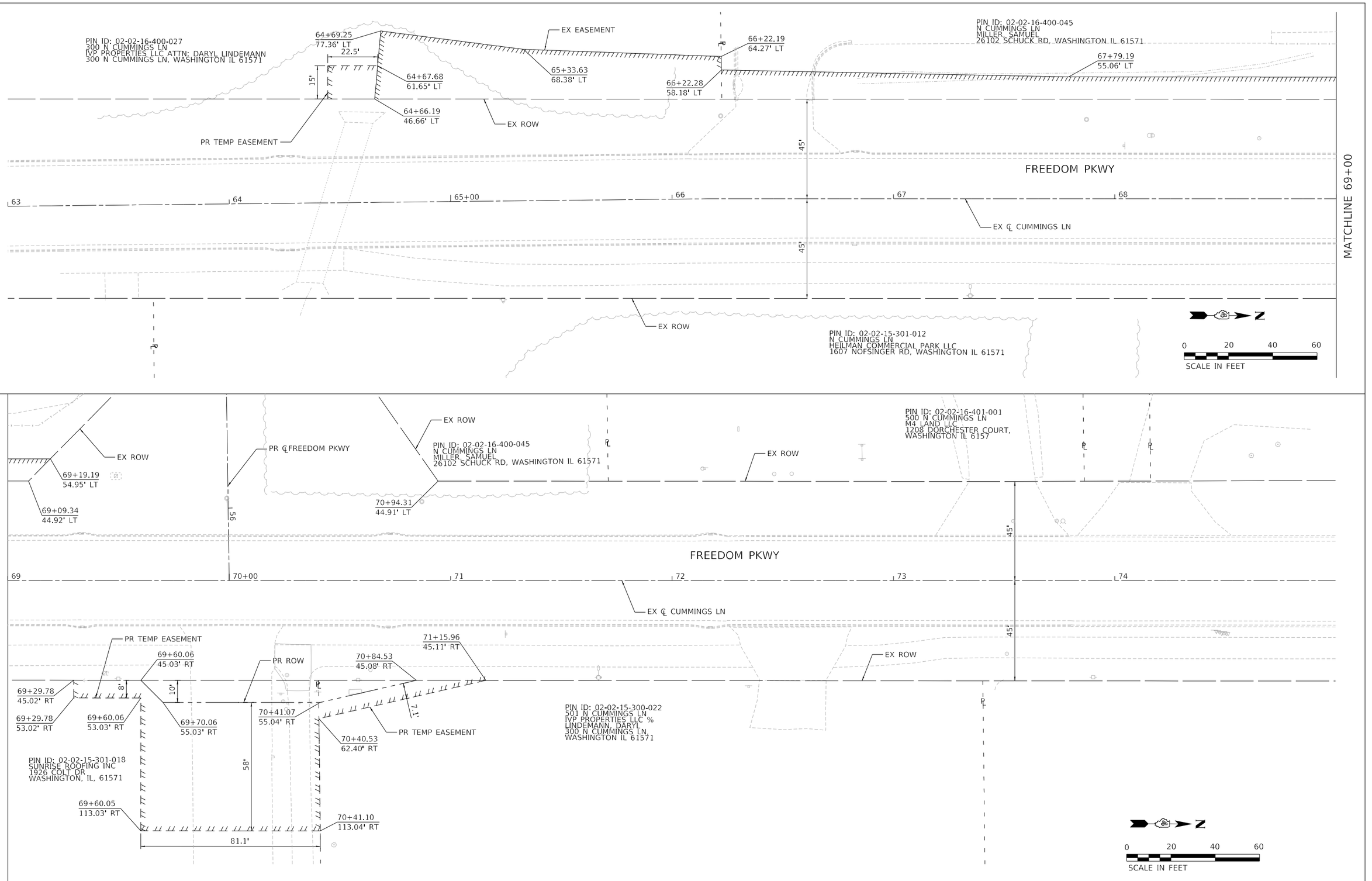
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	PLOT DATE = 3/16/2023	DATE - 2023/03/17	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY PLANS
FREEDOM PARKWAY

SCALE: 20.0000 ' / in. SHEET 4 OF 6 SHEETS STA. 47+00 TO STA.

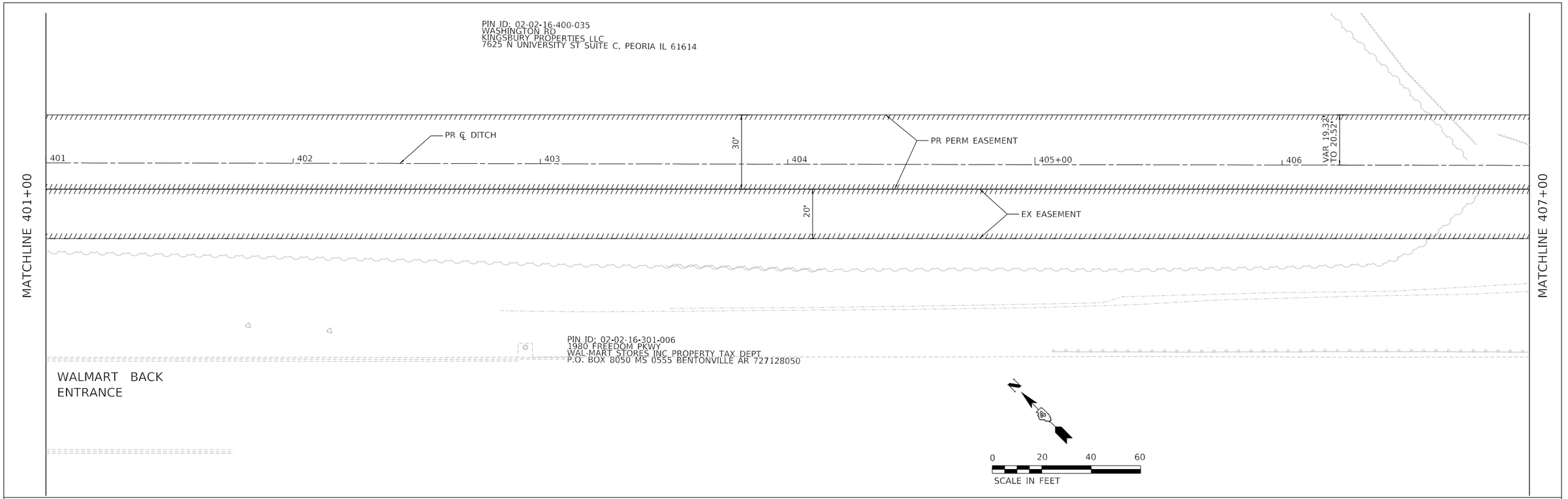
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	66
		CONTRACT NO. 89805		
		ILLINOIS	FED. AID PROJECT	

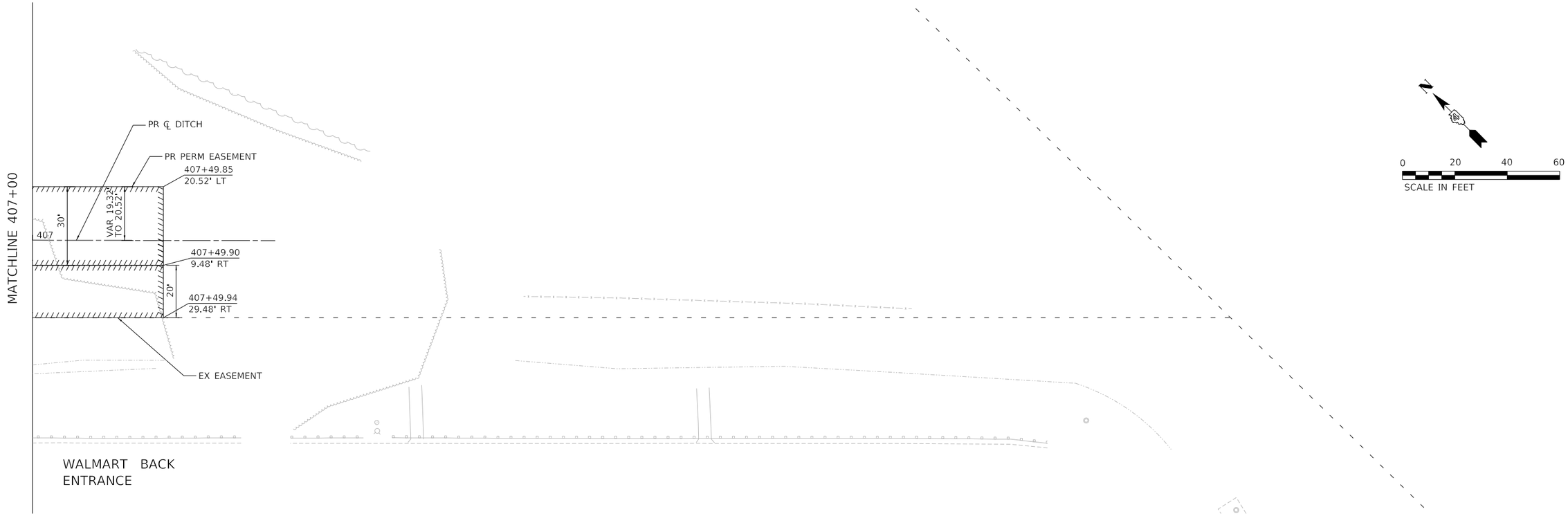


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TERRA ENGINEERING LTD.	USER NAME = AlphonseE	DESIGNED - CC	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**RIGHT-OF-WAY PLANS CUMMINGS LANE**
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	PLOT DATE = 3/16/2023	DATE - 2023/03/17	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	67
		CONTRACT NO. 89805		
		ILLINOIS	FED. AID PROJECT	





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TERRA ENGINEERING LTD.

USER NAME	= AlphonseE	DESIGNED	- CC	REVISED	-
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PLOT DATE	= 3/16/2023	DATE	- 2023/03/17	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIGHT–OF–WAY PLANS
DITCH

SCALE: 20.0000 ' / in. SHEET 6 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	68
		CONTRACT NO. 89805		
	ILLINOIS FED. AID PROJECT			

MATCHLINE 55+30.00

MATCHLINE 71+50.00

PR ℄ FREEDOM PKWY

TRANSITION BETWEEN PCC AND HMA PAVEMENT

EX ℄ CUMMINGS LN

NOTES

1. SEE CURB RAMP PLANS FOR ADDITIONAL CURBLINE AND CURB RAMP INFORMATION

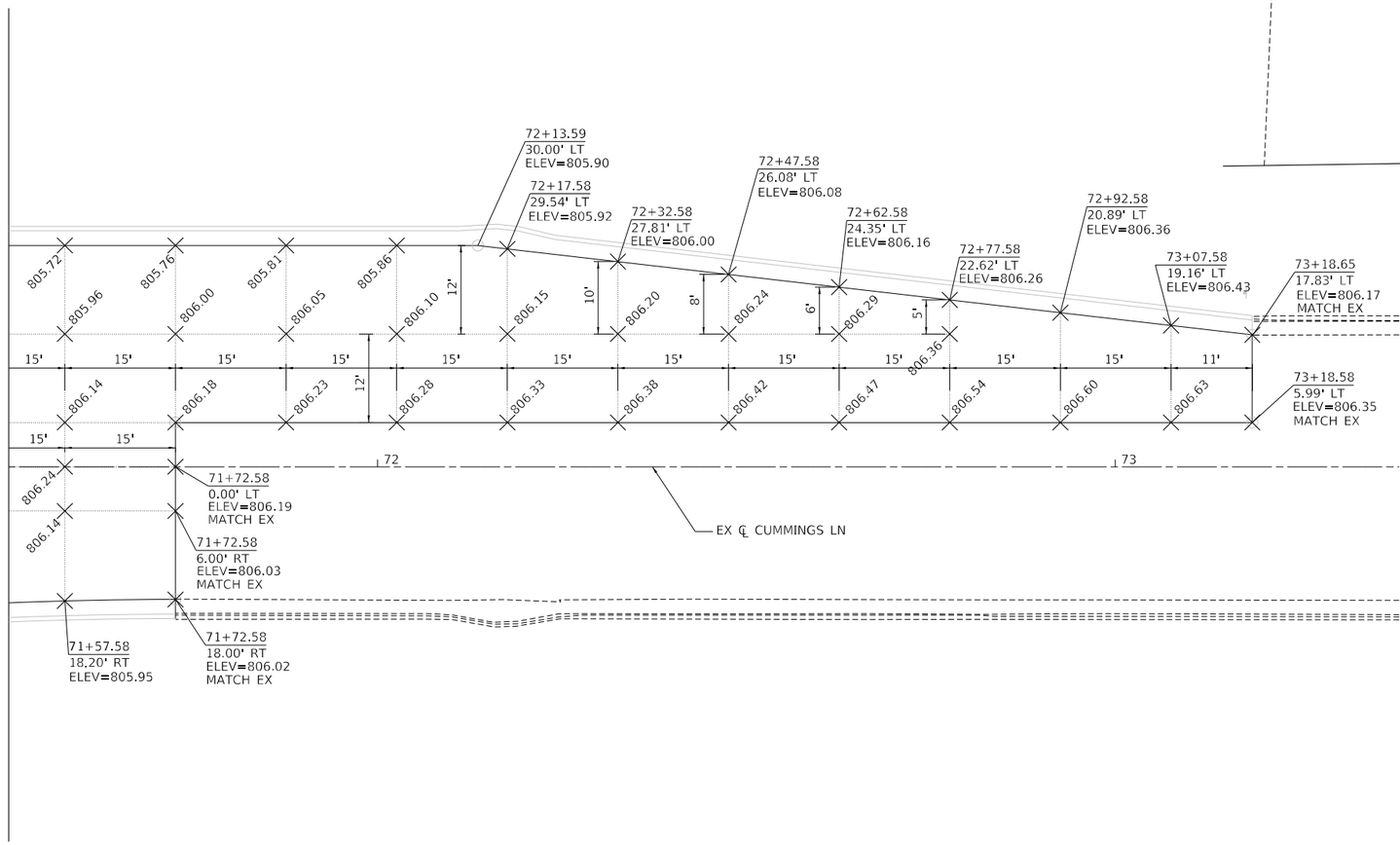
2. SEE JOINTING PLAN.

SCALE IN FEET 0 10 20 30

TERRA ENGINEERING LTD.	USER NAME = AlphonseE	DESIGNED - CC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERSECTION DETAIL PLANS FREEDOM PARKWAY & CUMMINGS LANE
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	PLOT DATE = 3/16/2023	DATE - 2023/03/17	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	69
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		ILLINOIS FED. AID PROJECT		

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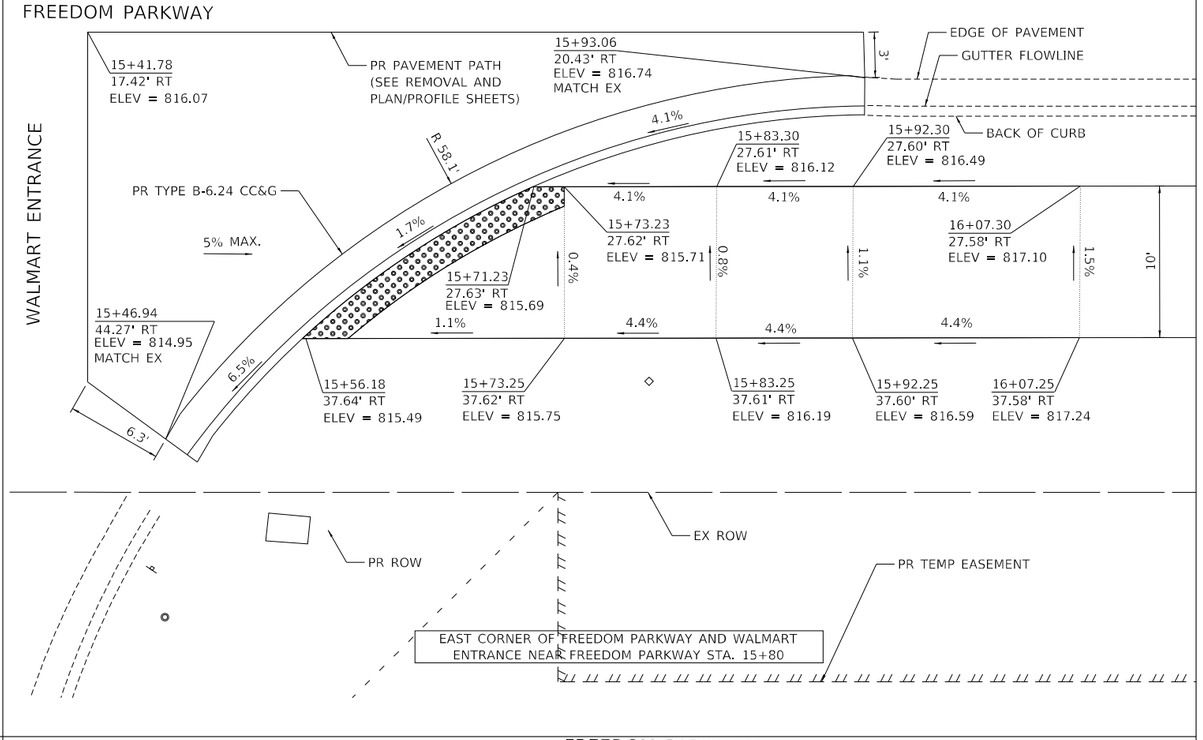
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	PLOT DATE = 3/16/2023	DATE - 2023/03/17	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	70
		CONTRACT NO. 89805		
		ILLINOIS	FED. AID PROJECT	

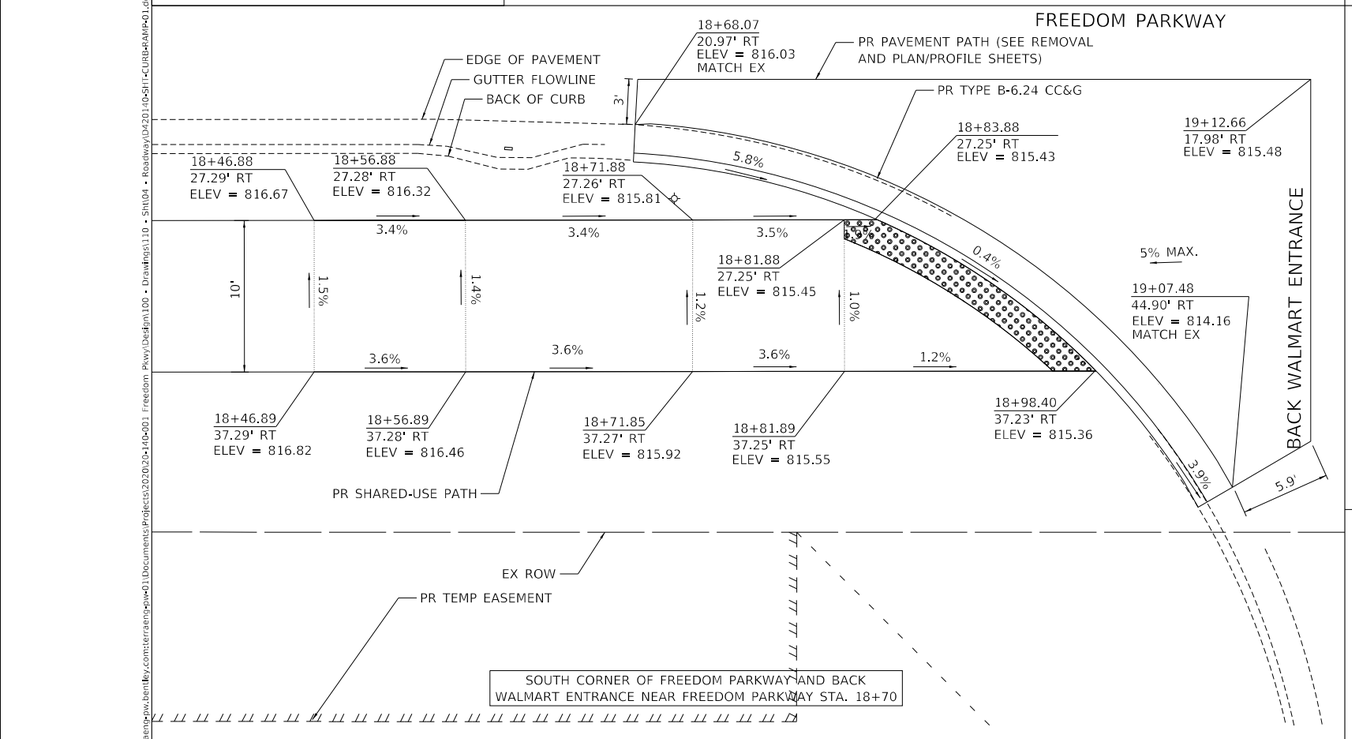
LEGEND

TOC	TOP OF CURB
	DETECTABLE WARNINGS

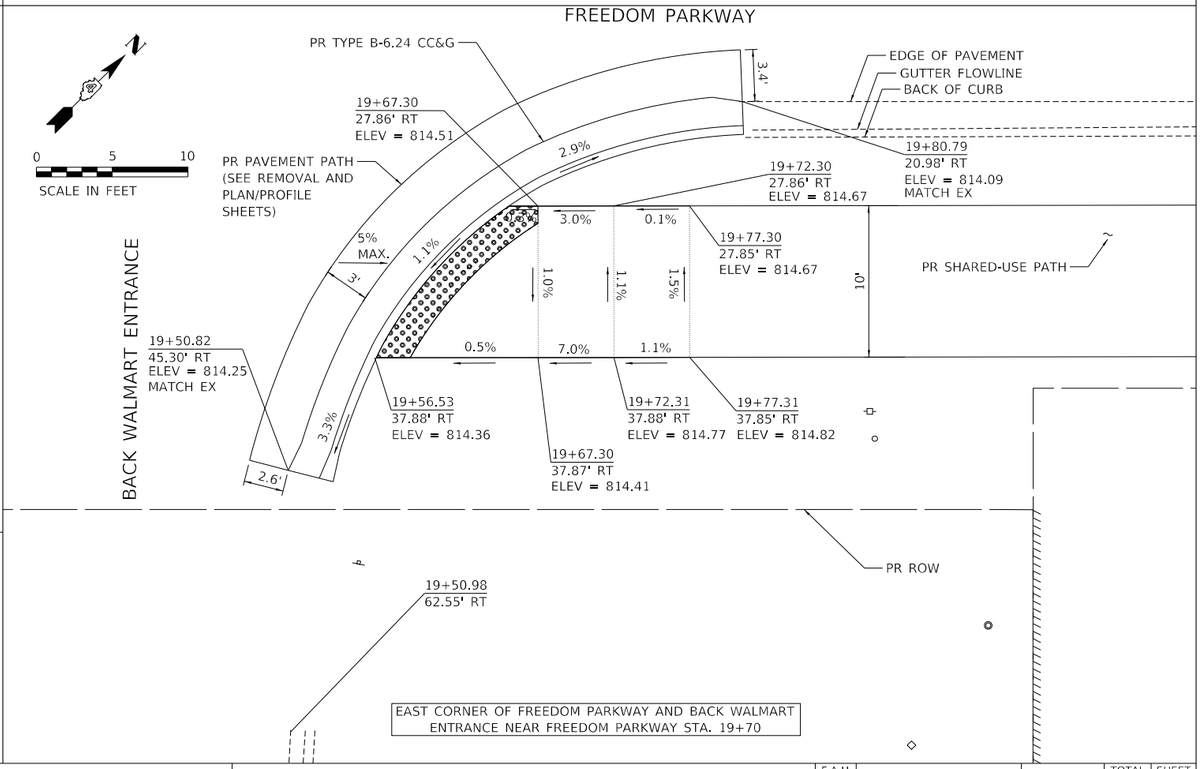
FREEDOM PARKWAY



FREEDOM PARKWAY



FREEDOM PARKWAY



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TERRA ENGINEERING LTD.

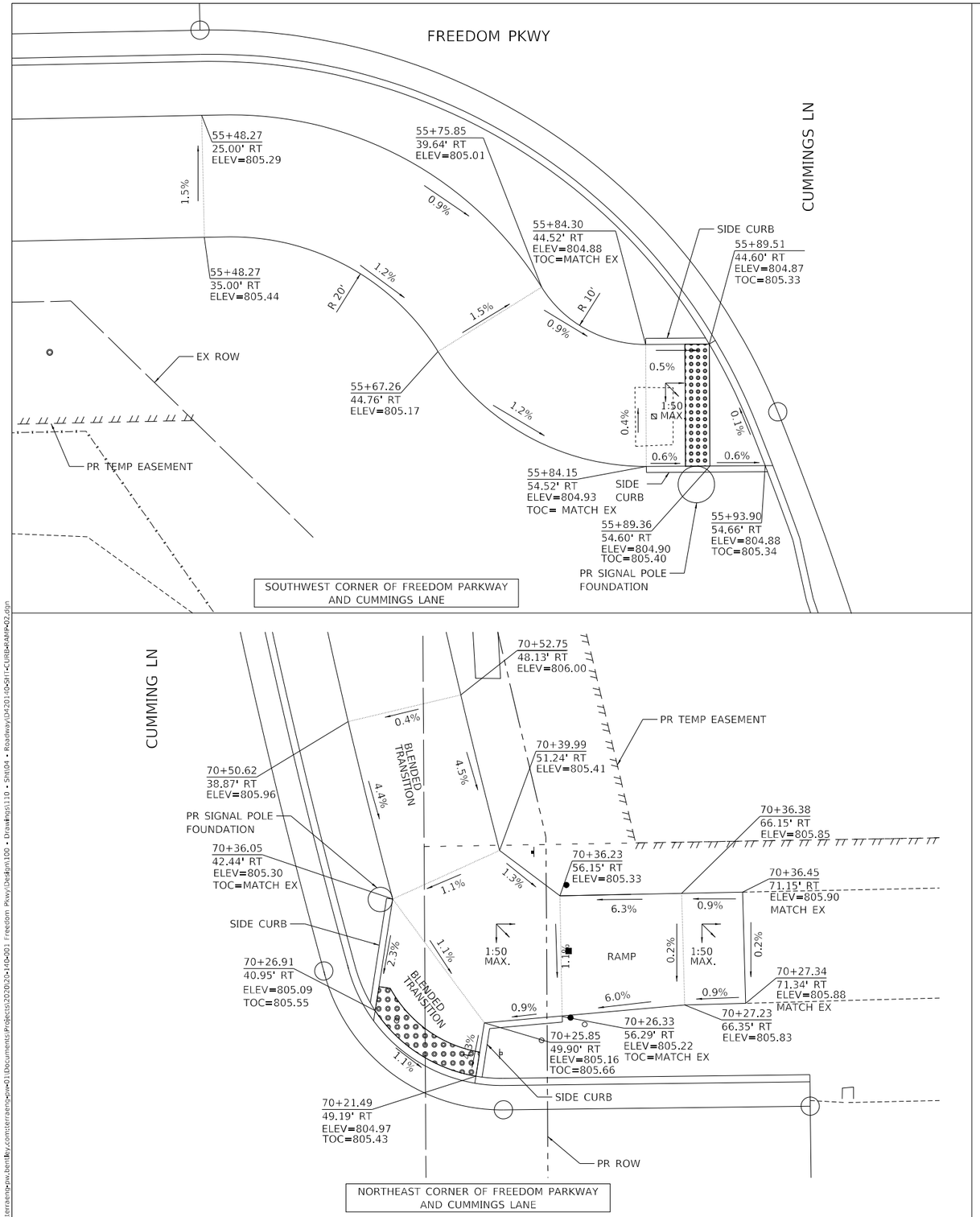
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PLOT DATE	= 3/17/2023	DATE	- 2023/03/17	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB RAMPS DETAILS
FREEDOM PARKWAY

SCALE: 5.0000 ' / in. | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	71
		CONTRACT NO. 89805		
		ILLINOIS	FED. AID PROJECT	



NOTES

1. TERMINATE SIDE CURB AT SIGNAL POLE FOUNDATIONS.
2. PROPOSED PEDESTRIAN PUSH BUTTONS ARE TO BE LOCATED WITHIN 10 INCHES OF A SIDEWALK FLAT LANDING AREA.

LEGEND

TOC	TOP OF CURB
	DETECTABLE WARNINGS

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TERRA ENGINEERING LTD.

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PLOT DATE	= 3/16/2023	DATE	- 2023/03/17	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB RAMPS DETAILS
FREEDOM PARKWAY & CUMMINGS LANE

SCALE: 5.0000 ' / in. | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	72
		CONTRACT NO. 89805		
		ILLINOIS	FED. AID PROJECT	

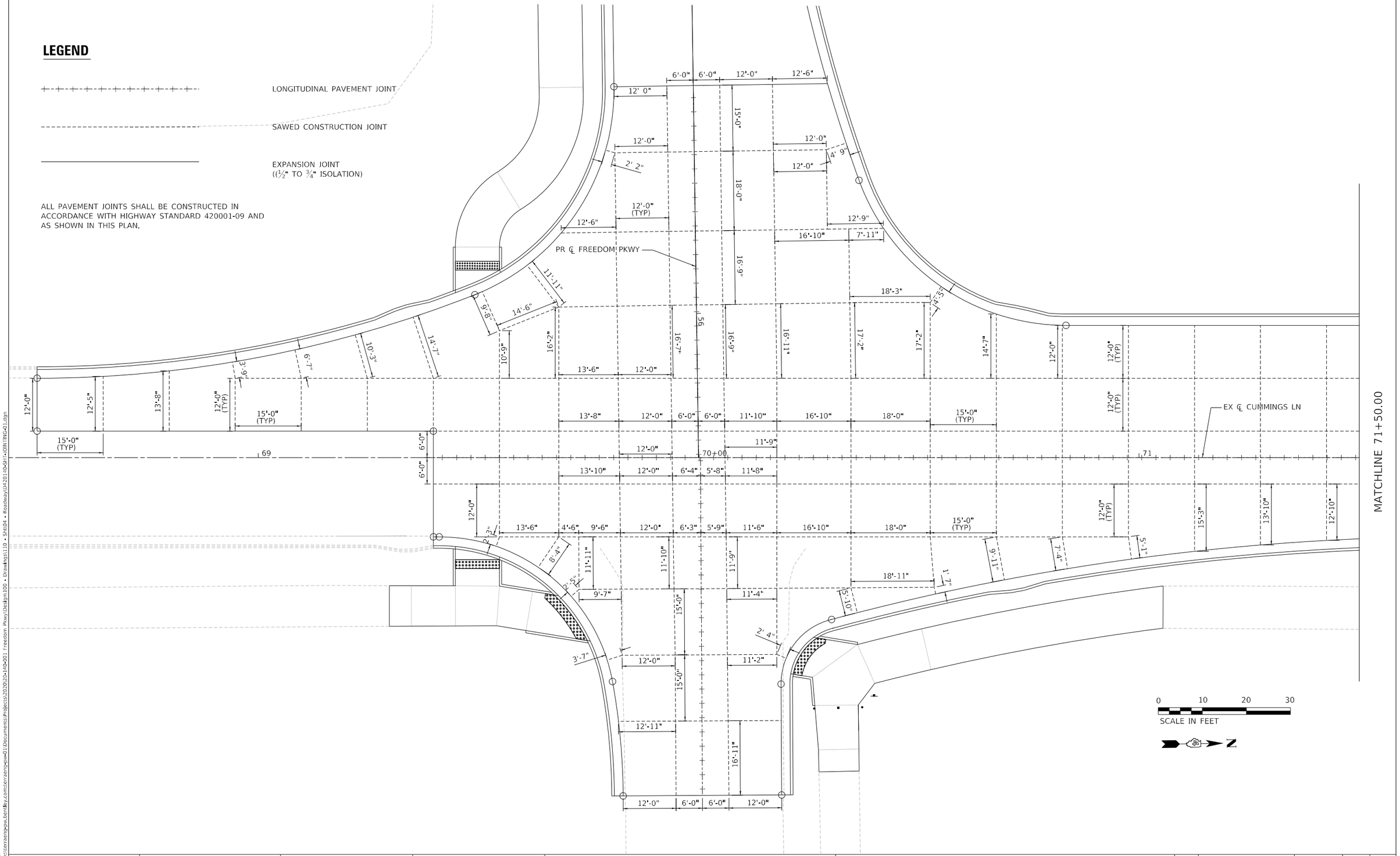
LEGEND

LONGITUDINAL PAVEMENT JOINT

SAWED CONSTRUCTION JOINT

EXPANSION JOINT
((½" TO ¾" ISOLATION)

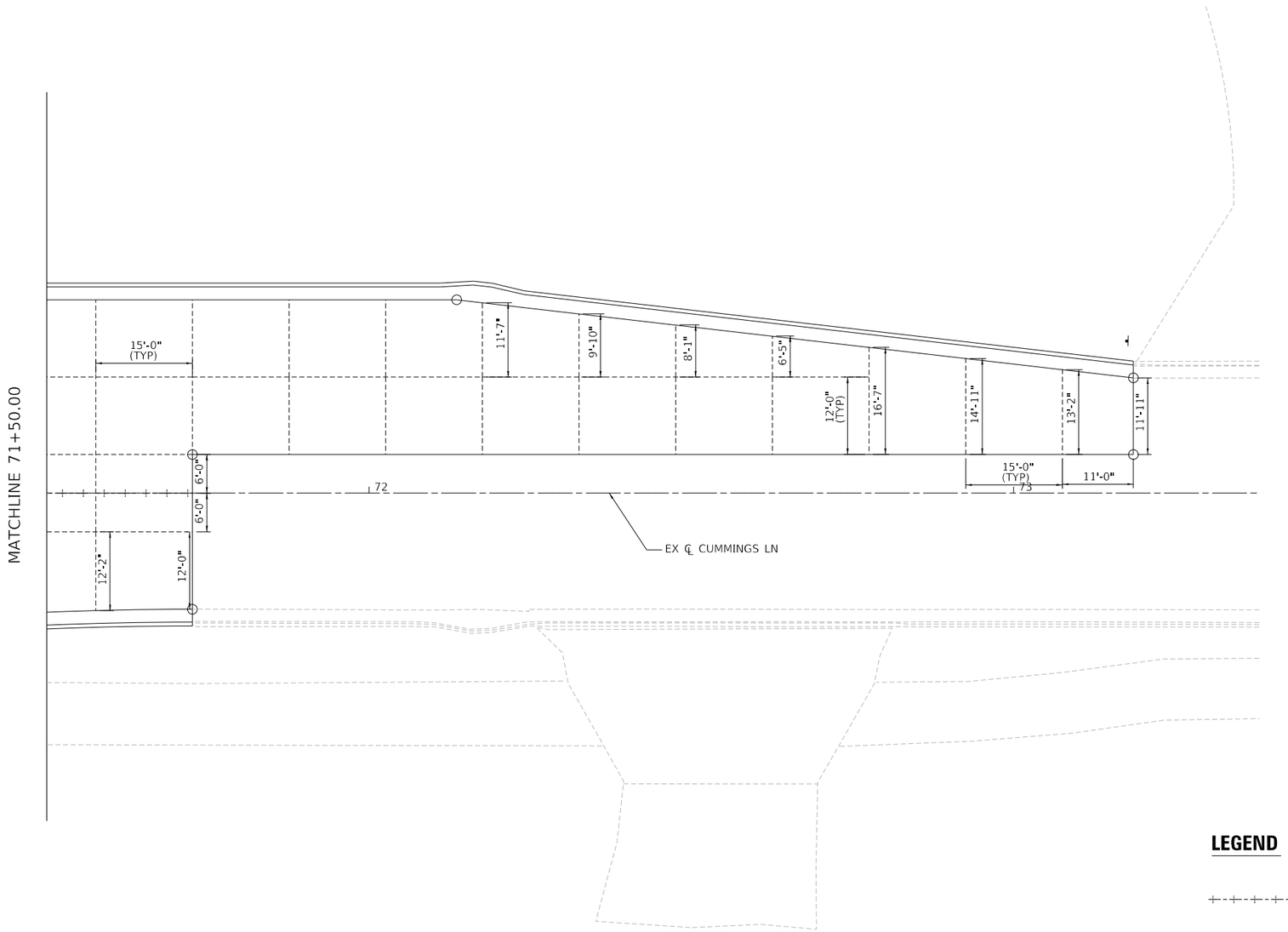
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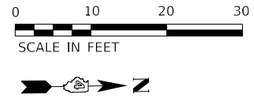


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TERRA ENGINEERING LTD.	USER NAME = AlphonseE	DESIGNED - CC	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**JOINTING PLANS FREEDOM PARKWAY & CUMMINGS LANE**
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	PLOT DATE = 3/16/2023	DATE - 2023/03/17	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	73
		CONTRACT NO. 89805		
		ILLINOIS FED. AID PROJECT		





LEGEND

LONGITUDINAL PAVEMENT JOINT

SAWED CONSTRUCTION JOINT

EXPANSION JOINT
(½" TO ¾" ISOLATION)

ALL PAVEMENT JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HIGHWAY STANDARD 420001-09 AND AS SHOWN IN THIS PLAN.

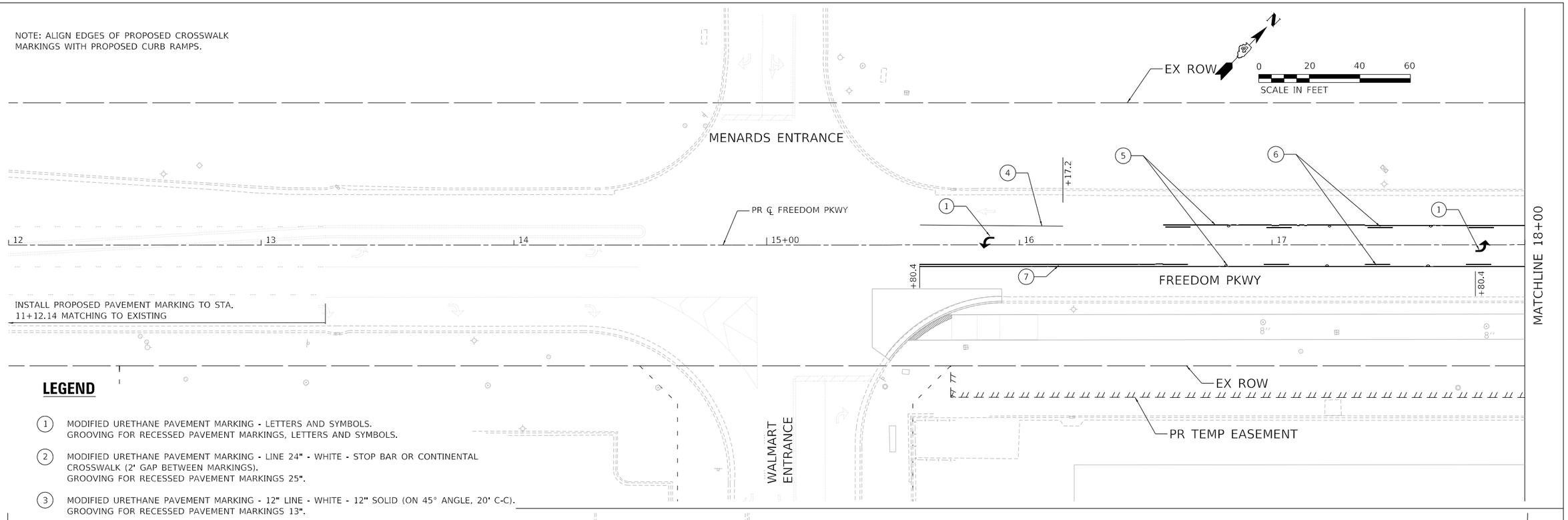
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TERRA ENGINEERING LTD.

USER NAME = AlphonseE	DESIGNED - CC	REVISED -	**STATE OF ILLINOIS**	**JOINTING PLANS**
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PLOT DATE = 3/16/2023	DATE - 2023/03/17	REVISED -		

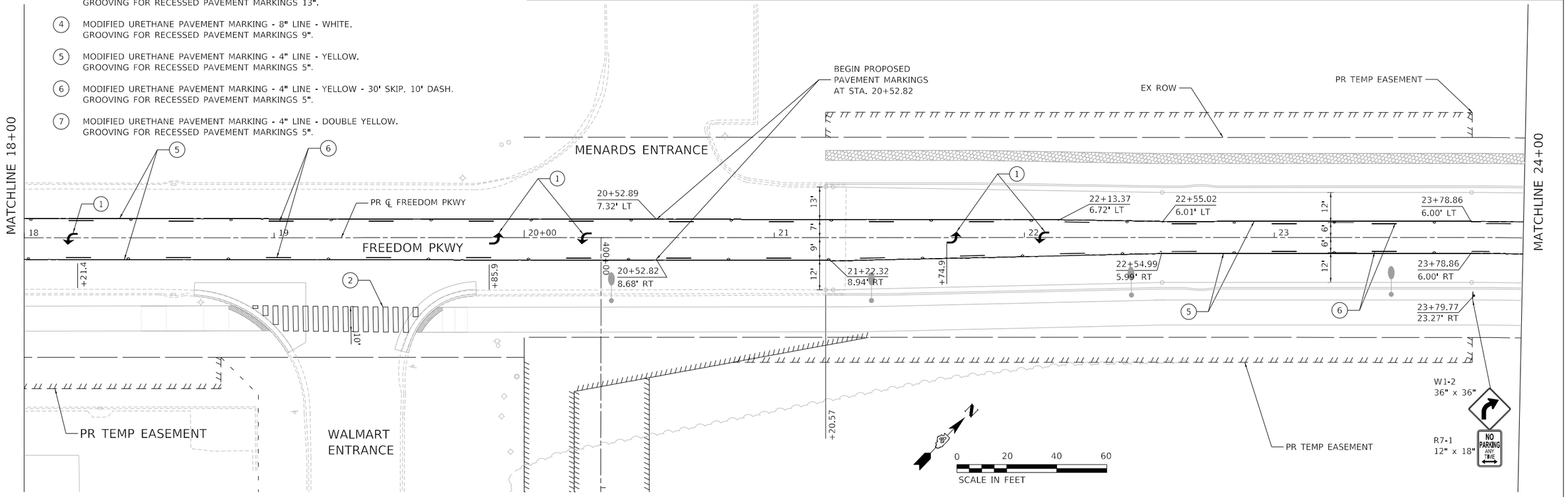
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	74
		CONTRACT NO. 89805		
	ILLINOIS FED. AID PROJECT			

NOTE: ALIGN EDGES OF PROPOSED CROSSWALK MARKINGS WITH PROPOSED CURB RAMPS.



LEGEND

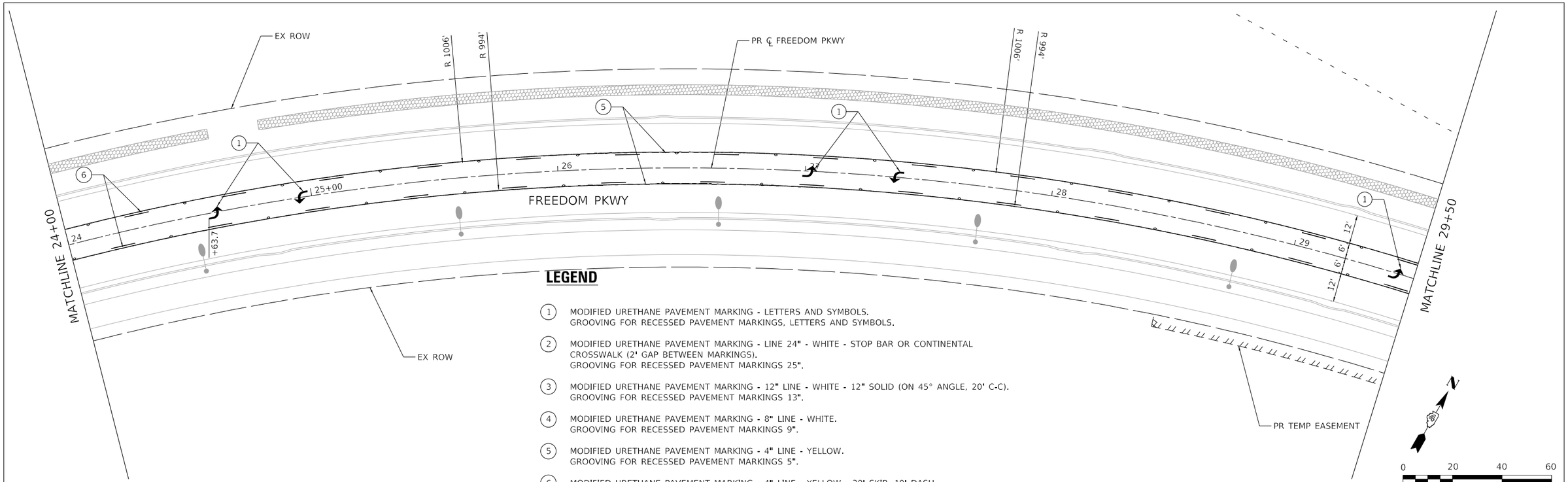
1. MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS.
   GROOVING FOR RECESSED PAVEMENT MARKINGS, LETTERS AND SYMBOLS.
2. MODIFIED URETHANE PAVEMENT MARKING - LINE 24" - WHITE - STOP BAR OR CONTINENTAL CROSSWALK (2' GAP BETWEEN MARKINGS).
   GROOVING FOR RECESSED PAVEMENT MARKINGS 25".
3. MODIFIED URETHANE PAVEMENT MARKING - 12" LINE - WHITE - 12" SOLID (ON 45° ANGLE, 20' C-C).
   GROOVING FOR RECESSED PAVEMENT MARKINGS 13".
4. MODIFIED URETHANE PAVEMENT MARKING - 8" LINE - WHITE.
   GROOVING FOR RECESSED PAVEMENT MARKINGS 9".
5. MODIFIED URETHANE PAVEMENT MARKING - 4" LINE - YELLOW.
   GROOVING FOR RECESSED PAVEMENT MARKINGS 5".
6. MODIFIED URETHANE PAVEMENT MARKING - 4" LINE - YELLOW - 30' SKIP, 10' DASH.
   GROOVING FOR RECESSED PAVEMENT MARKINGS 5".
7. MODIFIED URETHANE PAVEMENT MARKING - 4" LINE - DOUBLE YELLOW.
   GROOVING FOR RECESSED PAVEMENT MARKINGS 5".



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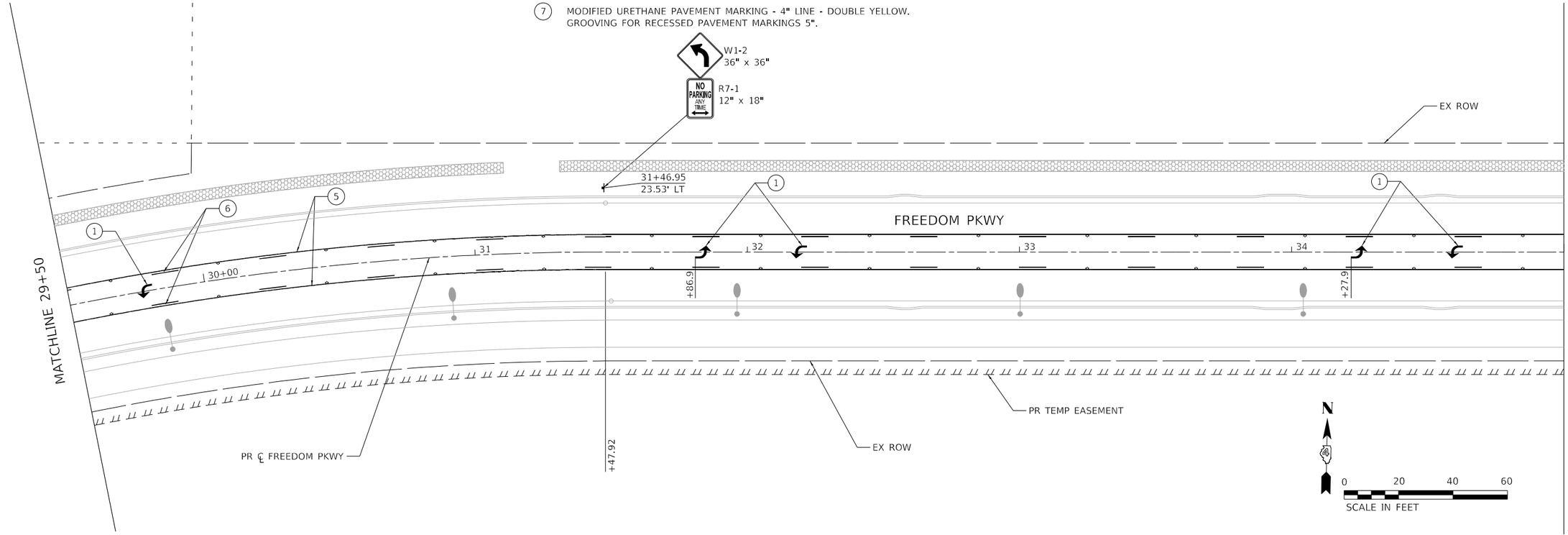
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	PLOT DATE = 3/16/2023	DATE - 2023/03/17	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	75
		CONTRACT NO. 89805		
		ILLINOIS	FED. AID PROJECT	



LEGEND

1. MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS.
   GROOVING FOR RECESSED PAVEMENT MARKINGS, LETTERS AND SYMBOLS.
2. MODIFIED URETHANE PAVEMENT MARKING - LINE 24" - WHITE - STOP BAR OR CONTINENTAL CROSSWALK (2' GAP BETWEEN MARKINGS).
   GROOVING FOR RECESSED PAVEMENT MARKINGS 25".
3. MODIFIED URETHANE PAVEMENT MARKING - 12" LINE - WHITE - 12" SOLID (ON 45° ANGLE, 20' C-C).
   GROOVING FOR RECESSED PAVEMENT MARKINGS 13".
4. MODIFIED URETHANE PAVEMENT MARKING - 8" LINE - WHITE.
   GROOVING FOR RECESSED PAVEMENT MARKINGS 9".
5. MODIFIED URETHANE PAVEMENT MARKING - 4" LINE - YELLOW.
   GROOVING FOR RECESSED PAVEMENT MARKINGS 5".
6. MODIFIED URETHANE PAVEMENT MARKING - 4" LINE - YELLOW - 30' SKIP, 10' DASH.
   GROOVING FOR RECESSED PAVEMENT MARKINGS 5".
7. MODIFIED URETHANE PAVEMENT MARKING - 4" LINE - DOUBLE YELLOW.
   GROOVING FOR RECESSED PAVEMENT MARKINGS 5".



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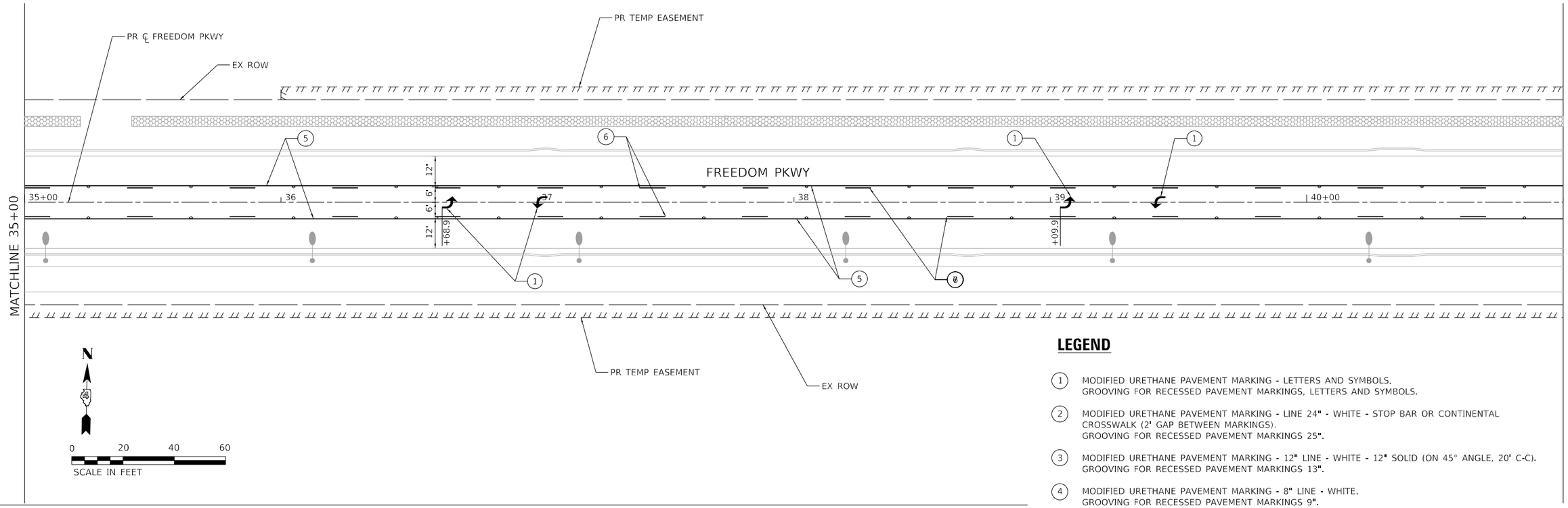
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	PLOT DATE = 3/16/2023	DATE - 2023/03/17	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS AND SIGNAGE PLANS
FREEDOM PARKWAY

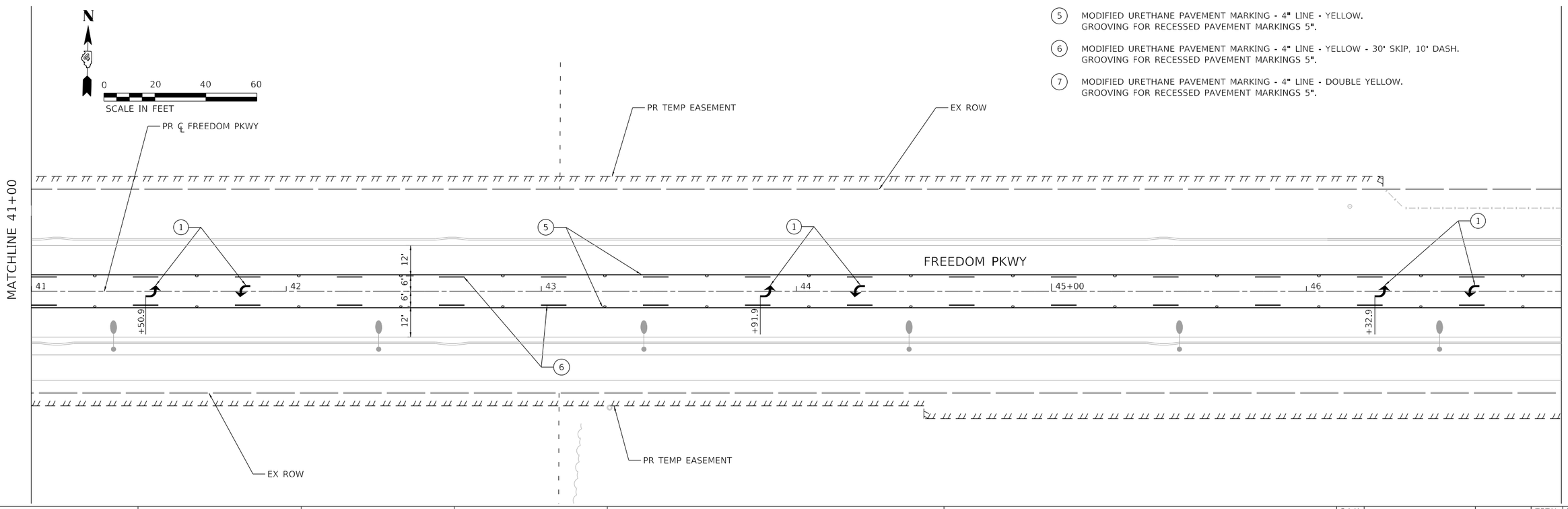
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 89805		
		ILLINOIS	FED. AID PROJECT	



LEGEND

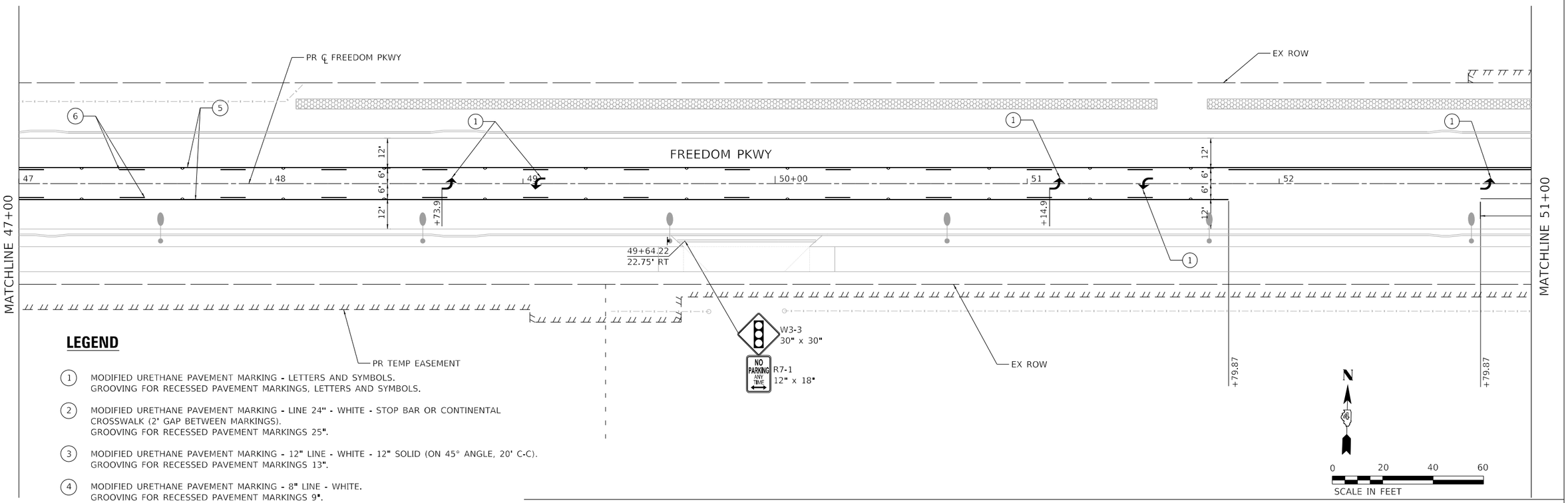
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   GROOVING FOR RECESSED PAVEMENT MARKINGS, LETTERS AND SYMBOLS.
2. MODIFIED URETHANE PAVEMENT MARKING - LINE 24" - WHITE - STOP BAR OR CONTINENTAL CROSSWALK (2' GAP BETWEEN MARKINGS).
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   GROOVING FOR RECESSED PAVEMENT MARKINGS 5".
7. MODIFIED URETHANE PAVEMENT MARKING - 4" LINE - DOUBLE YELLOW.
   GROOVING FOR RECESSED PAVEMENT MARKINGS 5".



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TERRA ENGINEERING LTD.	USER NAME = AlphonseE	DESIGNED - CC	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**PAVEMENT MARKINGS AND SIGNAGE PLANS FREEDOM PARKWAY**
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	PLOT DATE = 3/16/2023	DATE - 2023/03/17	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	77
		CONTRACT NO. 89805		
	ILLINOIS	FED. AID PROJECT		



LEGEND

(1) MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS.
GROOVING FOR RECESSED PAVEMENT MARKINGS, LETTERS AND SYMBOLS.

(2) MODIFIED URETHANE PAVEMENT MARKING - LINE 24" - WHITE - STOP BAR OR CONTINENTAL CROSSWALK (2' GAP BETWEEN MARKINGS).
GROOVING FOR RECESSED PAVEMENT MARKINGS 25".

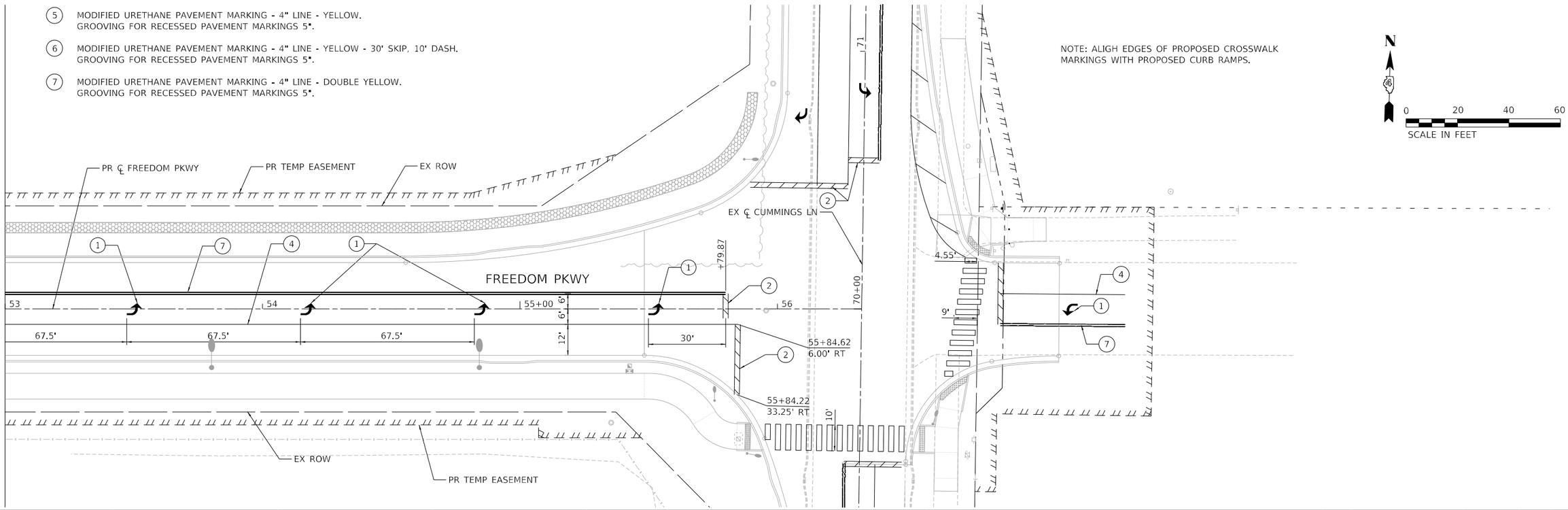
(3) MODIFIED URETHANE PAVEMENT MARKING - 12" LINE - WHITE - 12" SOLID (ON 45° ANGLE, 20' C-C).
GROOVING FOR RECESSED PAVEMENT MARKINGS 13".

(4) MODIFIED URETHANE PAVEMENT MARKING - 8" LINE - WHITE.
GROOVING FOR RECESSED PAVEMENT MARKINGS 9".

(5) MODIFIED URETHANE PAVEMENT MARKING - 4" LINE - YELLOW.
GROOVING FOR RECESSED PAVEMENT MARKINGS 5".

(6) MODIFIED URETHANE PAVEMENT MARKING - 4" LINE - YELLOW - 30' SKIP, 10' DASH.
GROOVING FOR RECESSED PAVEMENT MARKINGS 5".

(7) MODIFIED URETHANE PAVEMENT MARKING - 4" LINE - DOUBLE YELLOW.
GROOVING FOR RECESSED PAVEMENT MARKINGS 5".



NOTE: ALIGH EDGES OF PROPOSED CROSSWALK MARKINGS WITH PROPOSED CURB RAMPS.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

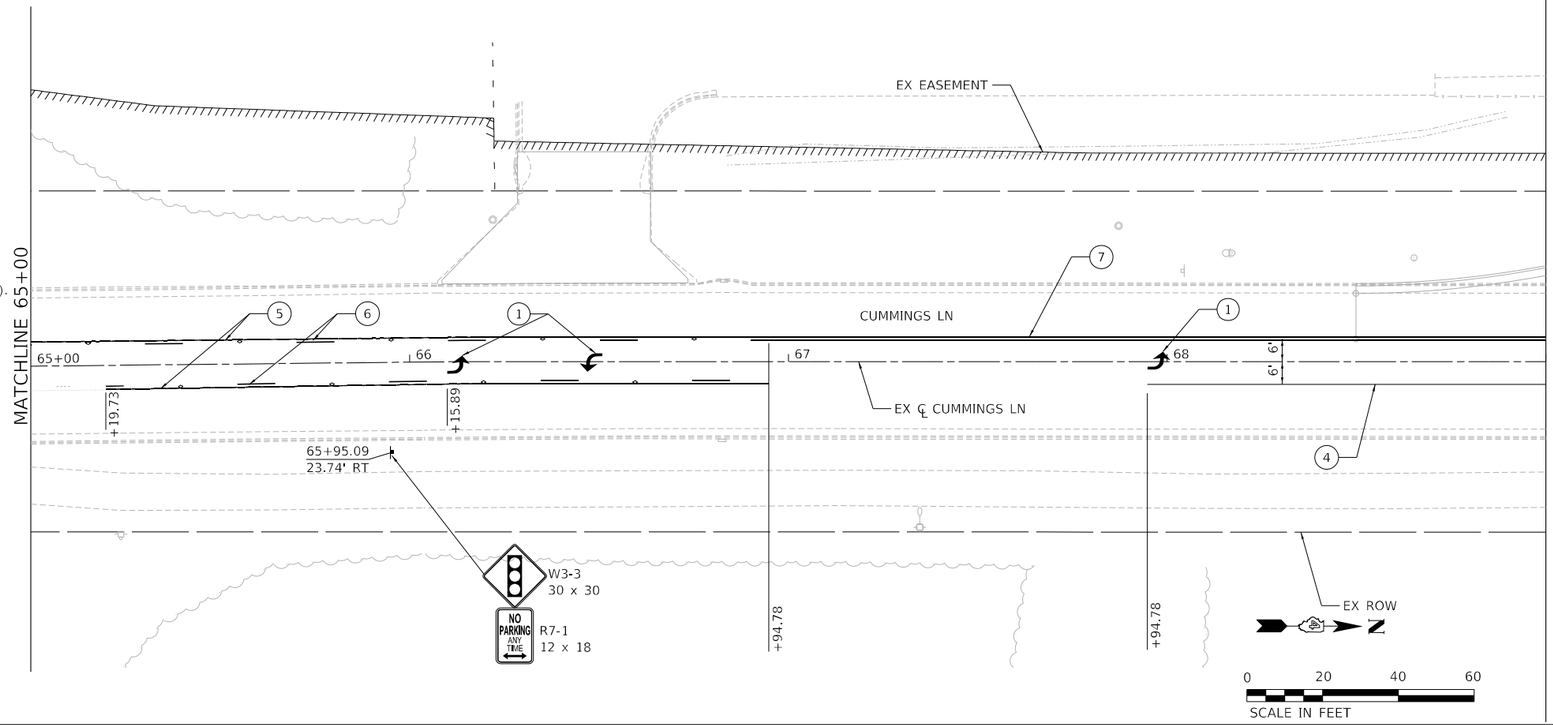
PAVEMENT MARKINGS AND SIGNAGE PLANS
CUMMINGS LANE

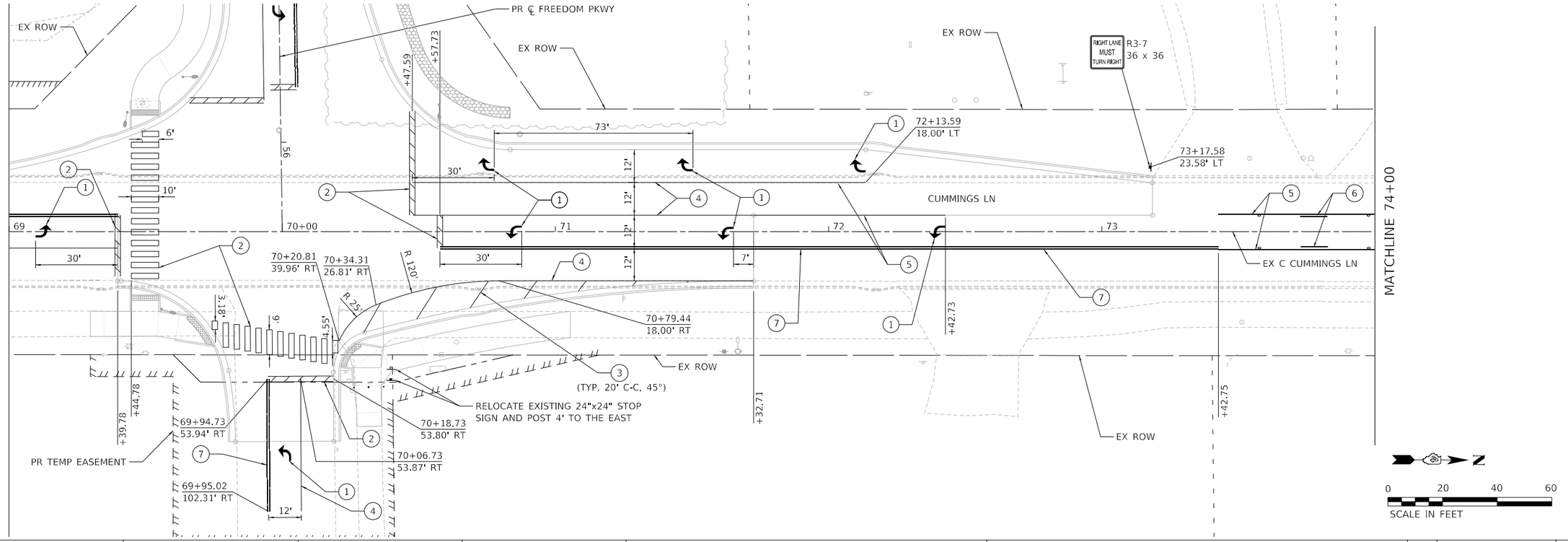
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	78
		CONTRACT NO. 89805		
		ILLINOIS	FED. AID PROJECT	

LEGEND

1. MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS.
   GROOVING FOR RECESSED PAVEMENT MARKINGS, LETTERS AND SYMBOLS.
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   GROOVING FOR RECESSED PAVEMENT MARKINGS 5".





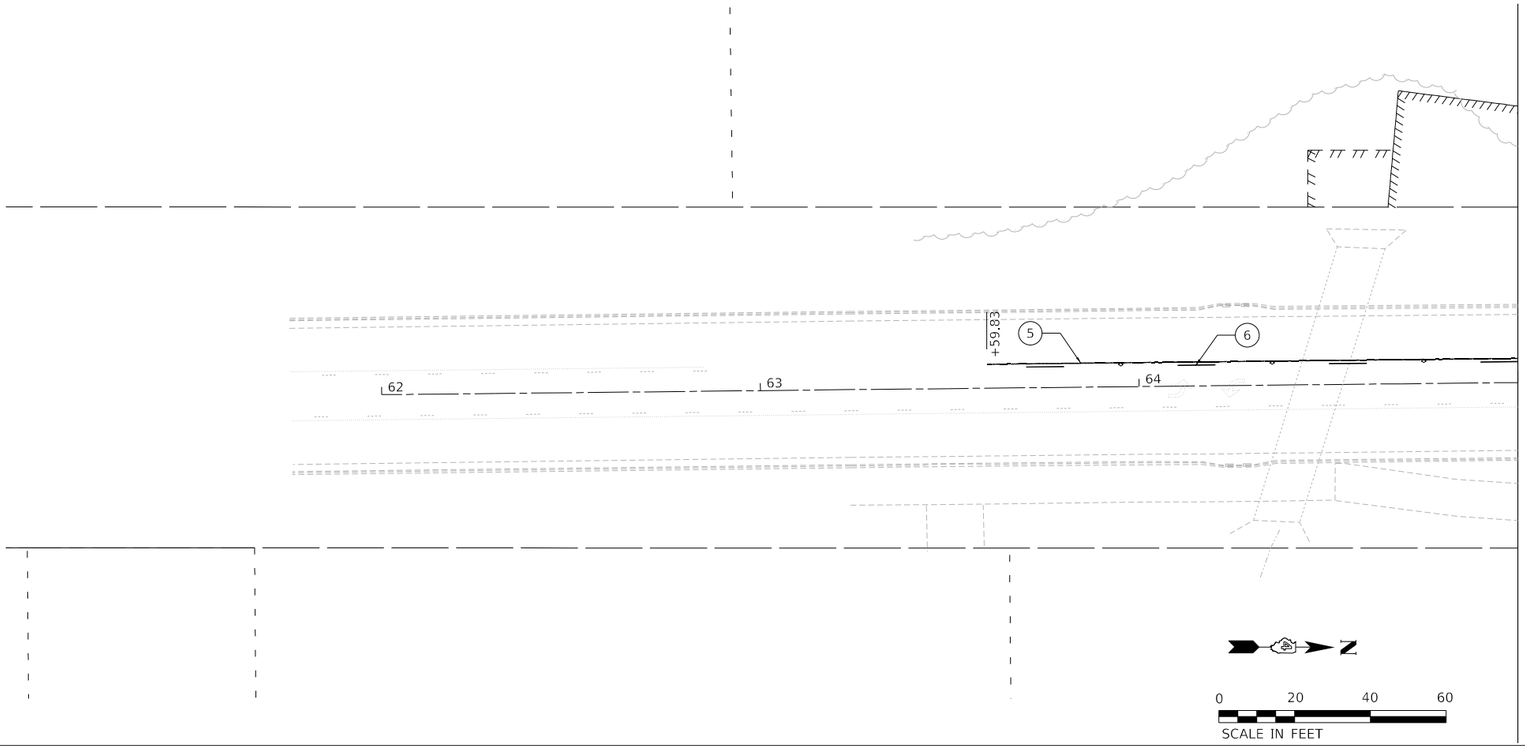
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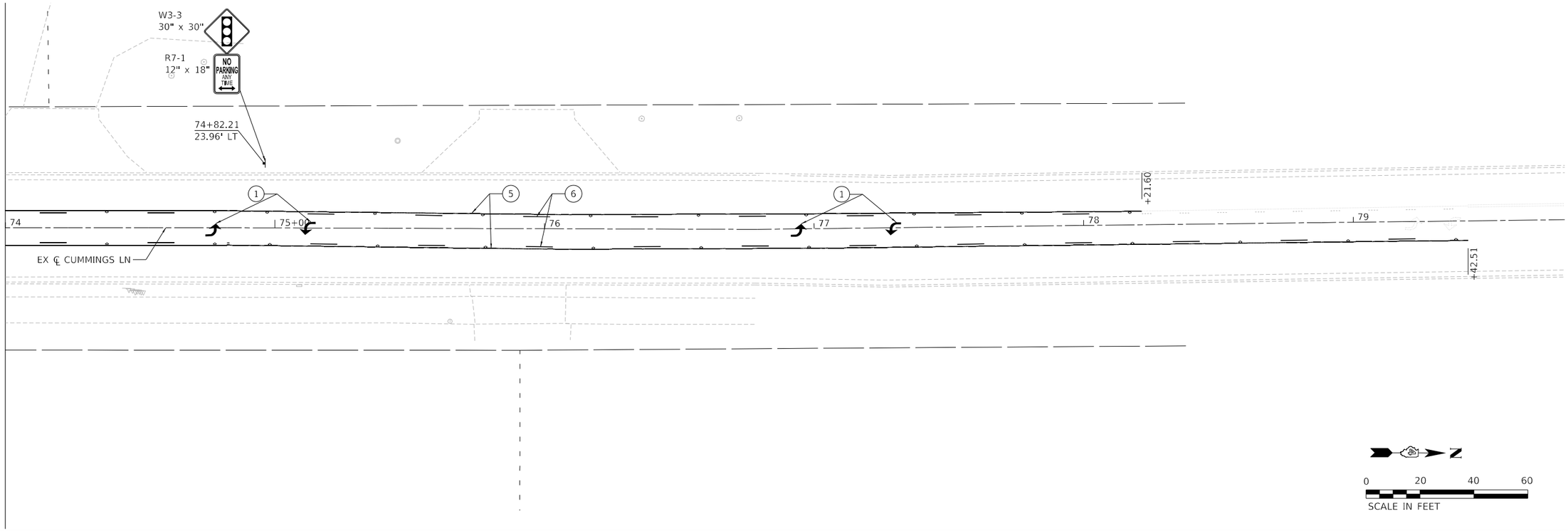
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	PLOT DATE = 3/16/2023	DATE - 2023/03/17	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	79
		CONTRACT NO. 89805		
		ILLINOIS	FED. AID PROJECT	

LEGEND

1. MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS.
   GROOVING FOR RECESSED PAVEMENT MARKINGS, LETTERS AND SYMBOLS.
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   GROOVING FOR RECESSED PAVEMENT MARKINGS 5".
7. MODIFIED URETHANE PAVEMENT MARKING - 4" LINE - DOUBLE YELLOW.
   GROOVING FOR RECESSED PAVEMENT MARKINGS 5".





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PAVEMENT MARKINGS AND SIGNAGE PLANS
CUMMINGS LANE

SCALE: 20.0000 ' / in. SHEET 6 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	80
		CONTRACT NO. 89805		
	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF SIGNAL HEAD QUANTITIES

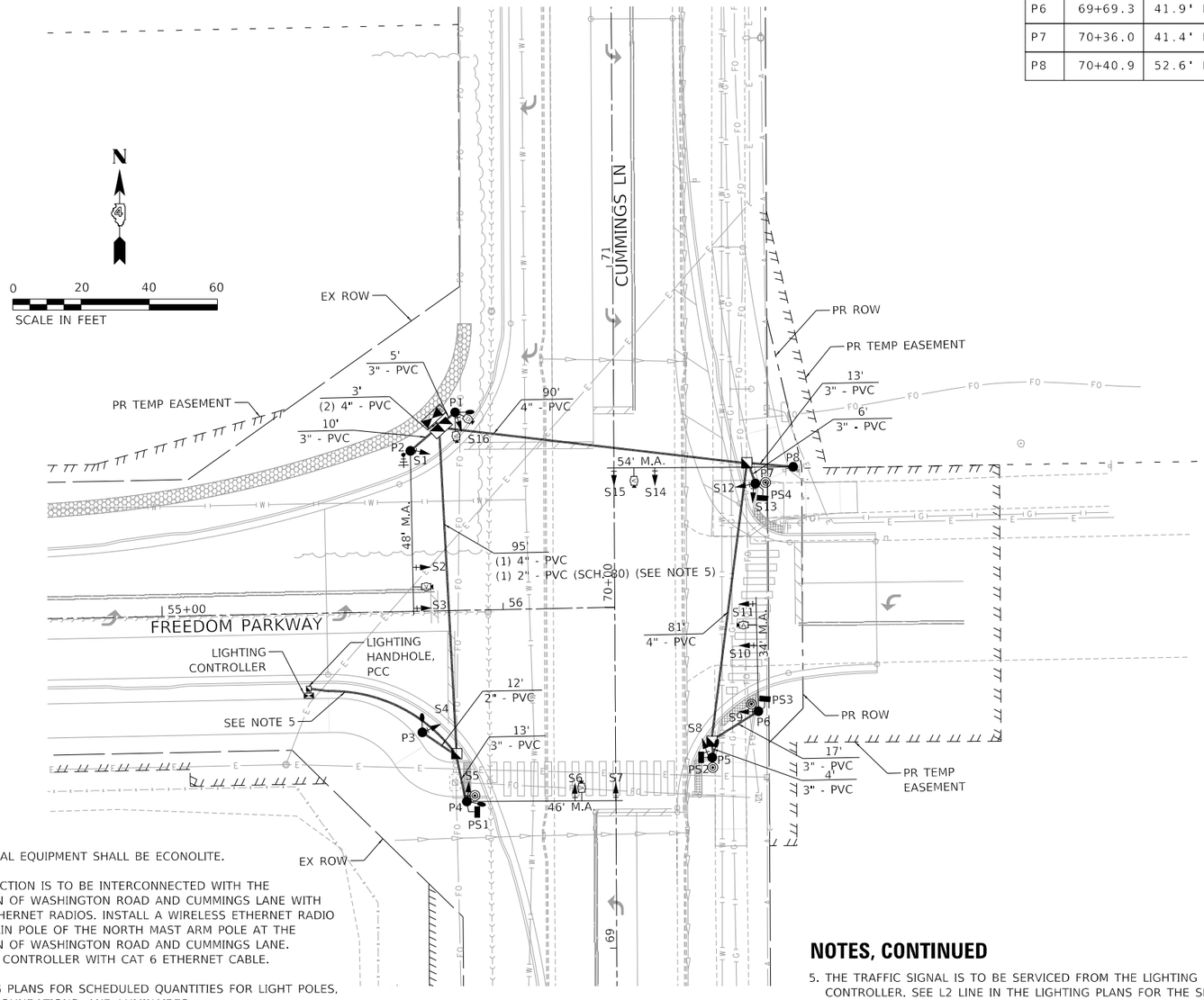
LOCATION	ITEM	UNIT	QUANTITY
S4,S8,S16	SH, 1F, 4S, BM	EACH	3
S1,S5,S9	SH, 1F, 3S, BM	EACH	3
S2,S6,S10,S14	SH, 1F, 3S, MAM	EACH	4
S3,S7,S11,S15	SH, 1F, 4S, MAM	EACH	4
S12/S13	SH, 2F, 3S/4S, BM	EACH	1

HANDHOLE DATA

NO.	APPROX. STATION	APPROX. OFFSET	DESCRIPTION
H1	70+53.5	51' LT	DOUBLE HANDHOLE, PCC
H2	69+57.3	46.6' LT	HANDHOLE, PCC
H3	69+60.5	28.2' RT	HANDHOLE, PCC
H4	70+42.1	38.9' RT	HANDHOLE, PCC

POST AND MAST ARM DATA

ID	APPROX. STATION	APPROX. OFFSET	DESCRIPTION	FOUNDATION
C1	70+55.2	52.7' LT	FULL ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	TYPE C, 3.5' DEEP
P1	70+57.4	46.5' LT	LIGHT POLE, GALVANIZED STEEL, 45 FT. M.H., 15 FT. MAST ARM	LIGHT POLE FDN, 30" DIA., 6.5' DEEP
P2	70+46.2	59.6	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT	TYPE E, 36" DIA, 13' DEEP
P3	69+63.6	56.6' LT	LIGHT POLE, GALVANIZED STEEL, 45 FT. M.H., 15 FT. MAST ARM	LIGHT POLE FDN, 30" DIA., 6.5' DEEP
P4	69+43.3	43.7' LT	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 46 FT	TYPE E, 36" DIA, 13' DEEP
P5	69+55.8	28.3' RT	LIGHT POLE, GALVANIZED STEEL, 45 FT. M.H., 15 FT. MAST ARM	LIGHT POLE FDN, 30" DIA., 6.5' DEEP
P6	69+69.3	41.9' RT	STEEL MAST ARM ASSEMBLY AND POLE, 34 FT	TYPE E, 30" DIA, 13'-6" DEEP
P7	70+36.0	41.4' RT	TRAFFIC SIGNAL POST, GALAVANIZED STEEL, 15 FT.	TYPE A, 24" DIA, 3' DEEP
P8	70+40.9	52.6' RT	STEEL MAST ARM ASSEMBLY AND POLE, 54 FT	TYPE E, 36" DIA, 15' DEEP



NOTES

1. TRAFFIC SIGNAL EQUIPMENT SHALL BE ECONOLITE.
2. THIS INTERSECTION IS TO BE INTERCONNECTED WITH THE INTERSECTION OF WASHINGTON ROAD AND CUMMINGS LANE WITH WIRELESS ETHERNET RADIOS. INSTALL A WIRELESS ETHERNET RADIO ON THE STRAIN POLE OF THE NORTH MAST ARM POLE AT THE INTERSECTION OF WASHINGTON ROAD AND CUMMINGS LANE. CONNECT TO CONTROLLER WITH CAT 6 ETHERNET CABLE.
3. SEE LIGHTING PLANS FOR SCHEDULED QUANTITIES FOR LIGHT POLES, LIGHT POLE FOUNDATIONS, AND LUMINAIRES.
4. PROPOSED PEDESTRIAN PUSH BUTTONS ARE TO BE LOCATED WITHIN 10 INCHES OF A SIDEWALK FLAT LANDING AREA. IF NECESSARY, INSTALL EXTENSIONS FOR PEDESTRIAN PUSH BUTTONS TO MEET THIS REACHING DISTANCE REQUIREMENT. PUSH BUTTON EXTENSIONS SHALL BE INCLUDED IN THE "ACCESSIBLE PEDESTRIAN SIGNALS" PAY ITEM.

NOTES, CONTINUED

5. THE TRAFFIC SIGNAL IS TO BE SERVICED FROM THE LIGHTING CONTROLLER. SEE L2 LINE IN THE LIGHTING PLANS FOR THE SERVICE CABLE AND CONDUIT.

TRAFFIC SIGNAL LEGEND

- HANDHOLE
- DOUBLE HANDHOLE
- CONTROLLER AND CABINET WITH TRAFFIC SIGNAL BATTERY BACKUP SYSTEM
- SIGNAL HEAD WITH BACKPLATE
- SIGNAL HEAD
- SERVICE INSTALLATION, TYPE A
- PEDESTRIAN SIGNAL HEAD
- ACCESSIBLE PEDESTRIAN SIGNALS
- SIGNAL POST
- DOME PTZ CAMERA ASSEMBLY
- WIDE AREA VIDEO DETECTION SYSTEM CAMERA
- STEEL COMBINATION MAST ARM ASSEMBLY AND POLE
- UNDERGROUND CONDUIT
- ###' / #" - PVC — LENGTH / SIZE - TYPE
- LUMINAIRE MAST ARM
- WIRELESS ETHERNET RADIO (SEE NOTE 2)

ITEM DESCRIPTION	UNIT	QUANTITY
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
CAT 5 ETHERNET CABLE	FOOT	66
CAT 6 ETHERNET CABLE	FOOT	178
CLOSED CIRCUIT TELEVISION DOME CAMERA, HD	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	12
CONCRETE FOUNDATION, TYPE C	FOOT	3.5
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	13.5
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	31
DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	488
ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 2C	FOOT	189
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1458
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1368
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1349
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	3
PEDESTRIAN SIGNAL HEAD POLYCARBONATE, LED, 1 FACE, BRACKET MOUNTED WITH COUNTDOW	EACH	4
SIGN PANEL - TYPE 1	SQ FT	25
SIGN PANEL - TYPE 2	SQ FT	53
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.	EACH	1
TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	15
TRAFFIC SIGNAL BATTERY BACKUP SYSTEM	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 15 FT.	EACH	1
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	80
UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	272
WIDE AREA VIDEO DETECTION SYSTEM COMPLETE	EACH	1
WIRELESS ETHERNET RADIO	EACH	2

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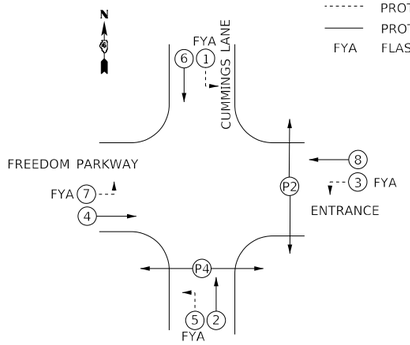
TERRA ENGINEERING LTD.	USER NAME = AlphonseE	DESIGNED - CC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL PLAN FREEDOM PARKWAY & CUMMINGS LANE
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	PLOT DATE = 3/16/2023	DATE - 2023/03/17	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	81
		CONTRACT NO. 89805		
		ILLINOIS FED. AID PROJECT		

PHASE DESIGNATION DIAGRAM

LEGEND

- (X) VEHICULAR PHASE NO. X
- (PX) PEDESTRIAN PHASE NO. X
- PROTECTED/PERMISSIVE
- PROTECTED
- FYA FLASHING YELLOW ARROW



NOTES

1. AT THE INTERSECTION OF WASHINGTON ROAD AND CUMMINGS LANE (APPROXIMATELY 1,950' TO THE SOUTH OF THE FREEDOM PKWAY AND CUMMINGS LANE INTERSECTION), INSTALL A WIRELESS ETHERNET RADIO WITH CAT 6 ETHERNET CABLE ON THE NORTH STRAIN POLE.
2. AGENCY RESPONSIBLE FOR ENERGY CHARGES: CITY OF WASHINGTON. CONTRACTOR PAYS ALL ENERGY CHARGES UNTIL PROJECT IS ACCEPTED IN ACCORDANCE WITH ARTICLE 109.05 OF THE STANDARD SPECIFICATIONS.

TRAFFIC SIGNAL GENERAL NOTES

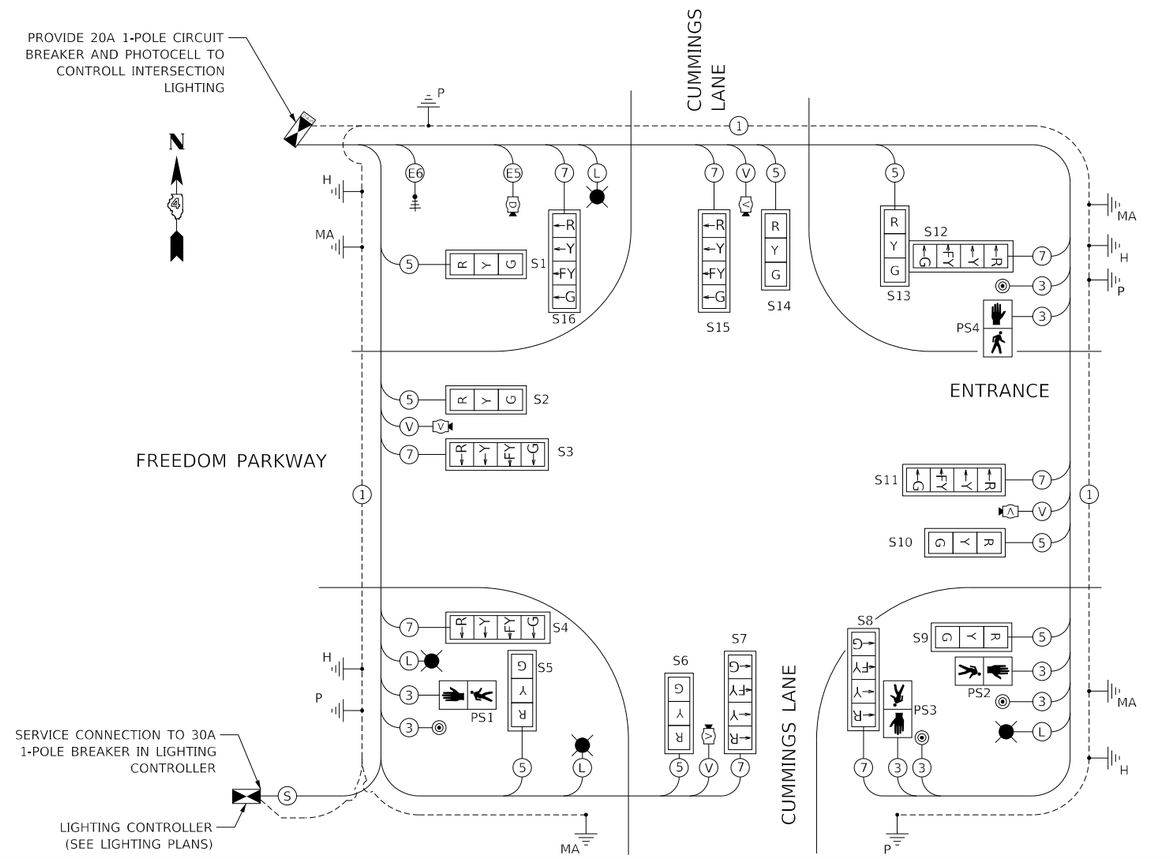
1. THE LOCATIONS FOR HANDHOLES, TRAFFIC SIGNAL POST FOUNDATIONS, AND MAST ARM FOUNDATIONS ARE PROVIDED FOR REFERENCE ONLY. THE RESIDENT ENGINEER SHALL BE NOTIFIED FOR LOCATION VERIFCATION PRIOR TO INSTALLATION.
2. POST MOUNTED SIGNAL HEADS WILL BE INSTALLED SUCH THAT NO PART OF THE SIGNAL HEAD IS WITHIN TWO (2) FEET OF THE FACE OF CURB. MAST ARM POLES WILL BE PLACED SUCH THAT A MINIMUM DISTANCE OF SIX (6) FEET IS MAINTAINED BETWEEN THE CENTER OF THE POLE AND THE FACE OF CURB (ON THE MAST ARM SIDE).
3. ALL TRAFFIC SIGNAL SECTIONS SHALL HAVE 12" SINGLE LED LENSES. ALL TRAFFIC SIGNAL MOUNTING BRACKETS SHALL BE GALVANIZED STEEL
4. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
5. A 3/4" DIAMETER CONTINUOUS MULE TAPE SHALL BE FURNISHED AND LEFT IN PLACE IN ALL CONDUITS BETWEEN HANDHOLES AND FOUNDATIONS OR CONTROLLER. THE ROPE SHALL BE INCLUDED IN THE COST OF THE RESPECTIVE CONDUIT PAY ITEM.
6. THE RED SECTIONS OF SIGNAL HEADS SHARING THE SAME MAST ARM SHALL BE LEVEL WITH ONE ANOTHER. THE SIGNAL HEADS SHALL MAINTAIN A 16' MINIMUM VERTICAL CLEARANCE FROM THE HIGHEST POINT OF THE ROADWAY.
7. HANDHOLES SHALL BE CONSTRUCTED SO THAT THE TOP OF THE FRAME WILL BE FLUSH WITH THE SURFACE OF THE MEDIAN, SIDEWALK, OR GROUND LINE.
8. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2' MINIMUM DEPTH OR IN AN INDIRECT ROUTE TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
9. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THE COST OF THE WORK SHALL BE INCLUDED IN THE UNIT PRICES FOR THE CONDUITS.
10. ALL TRAFFIC SIGNAL MAST ARMS, POSTS, HANDHOLE LIDS AND RIGS, HANDHOLE FRAMES, CONTROLLER CABINETS, SERVICE RISERS, EXPOSED METALLIC CONDUITS, AND PHOTOCELL RELAYS SHALL BE GROUNDED IN ACCORDANCE WITH NEC REQUIREMENTS.
11. ALL CABLES SHALL RUN TO THE CONTROLLER. NO SPLICING WILL BE ALLOWED, EXCEPT AS SHOWN.
12. ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ELECTRICAL SERVICE FOR THE TRAFFIC SIGNAL. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANY PRIOR TO THE COMMENCEMENT OF WORK TO OBTAIN UTLITY COMPANY REQUIREMENTS FOR THE SERVICE INSTALLATION. THE CONTRACTOR SHALL ARRANGE FOR A PERMIT AND INSPECTION OF THE SERVICE BY THE CITY OF WASHINGTON OR ITS APPOINTED AGENT. ELECTRICAL SERVICE LOCATION AND ASSOCIATED QUANTITIES MAY CHANGE. ALL CHARGES FROM THE ELECTRIC COMPANY SHALL BE PAID IN ACCORDANCE WITH ARTICLE 109.05 OF THE STANDARDS SPECIFICATIONS.

PROPOSED CABLE DIAGRAM LEGEND

- CONTROLLER AND CABINET WITH UNINTERRUPTIBLE POWER SUPPLY (UPS)
- TRAFFIC SIGNAL HEAD WITH RETROREFLECTIVE BACKPLATE
- (*) DENOTES NUMBER OF CONDUCTORS
- 16" PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER
- ACCESSIBLE PEDESTRIAN SIGNAL
- (V) WIDE AREA VIDEO DETECTION SYSTEM
- (D) DOME PTZ CAMERA
- H GROUND CONNECTION IN HANDHOLE OR DOUBLE HANDHOLE
- MA GROUND ROD AT MAST ARM POLE
- S GROUND ROD AT ELECTRIC SERVICE INSTALLATION
- P GROUND ROD AT POLE
- LUMINAIRE, LED, ROADWAY OUTPUT DESIGNATION H (SEE LIGHTING PLANS)
- WIRELESS ETHERNET RADIO

CABLE LEGEND

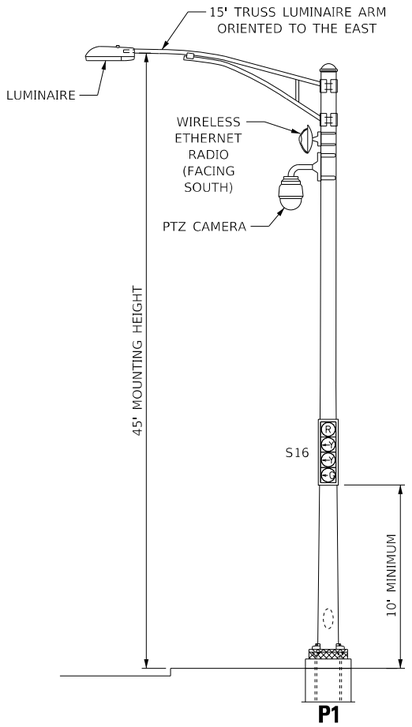
- (S) SERVICE CABLE
  ELECTRIC CABLE IN CONDUIT, SERVICE, NO.6 2C
- (V) WIDE AREA VIDEO DETECTION CAMERA CABLES
- (L) LIGHTING CABLE
  2 - 1/C NO. 6 1/C NO. 6 GROUND (XLP TYPE USE), CONNECT TO NO. 6 CONTINUOUS GROUND WIRE IN MAST ARM. SEE LIGHTING PLANS FOR MORE INFORMATION.
- (E5) CAT 5 ETHERNET CABLE
- (E6) CAT 6 ETHERNET CABLE



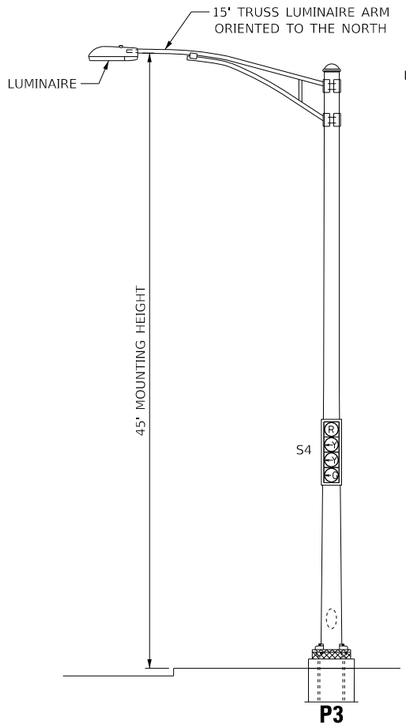
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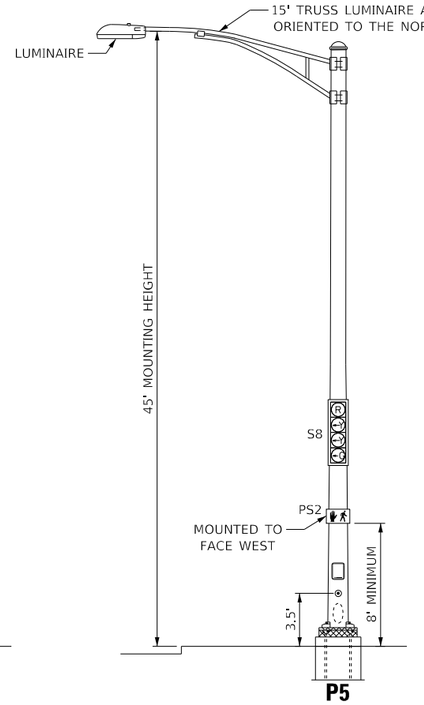
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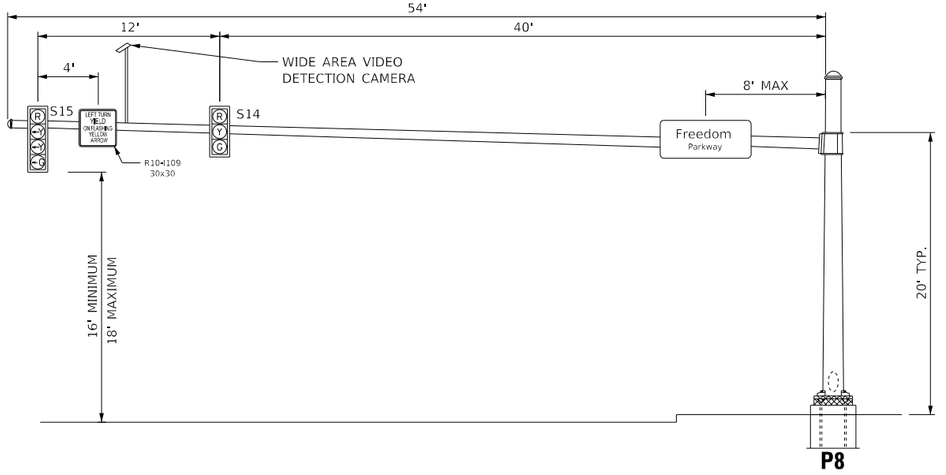
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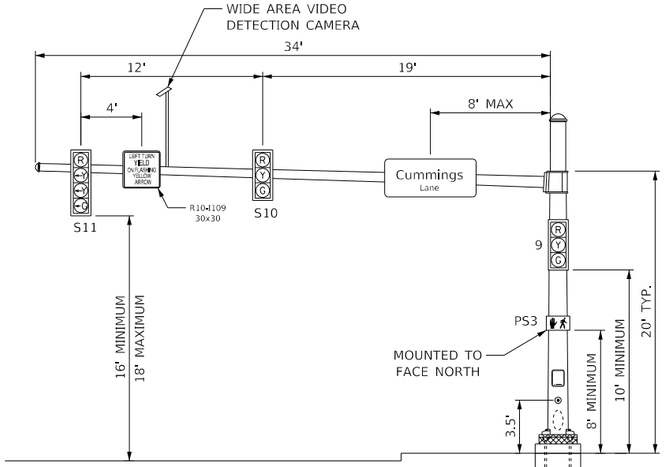
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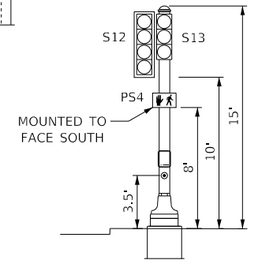
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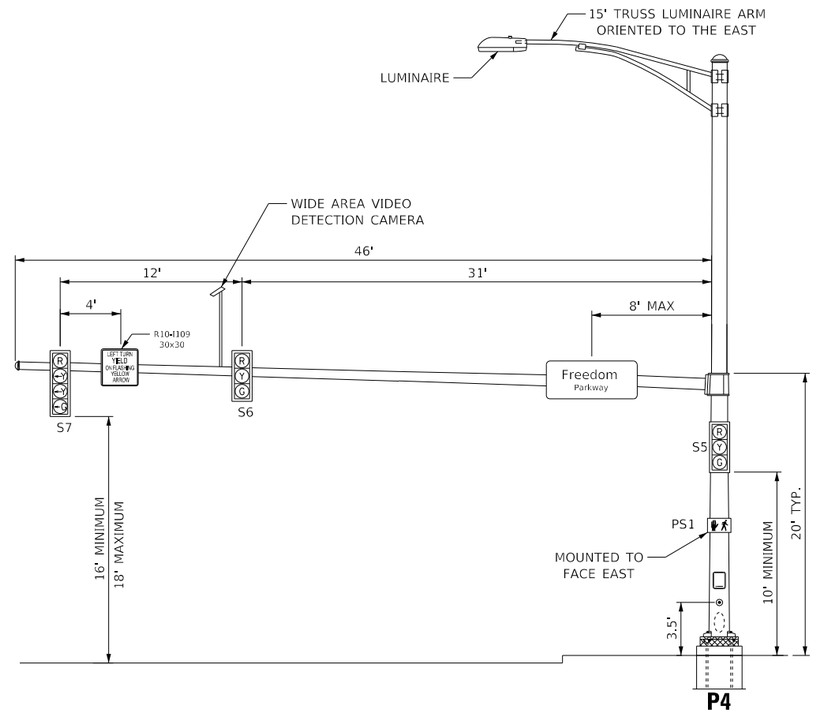
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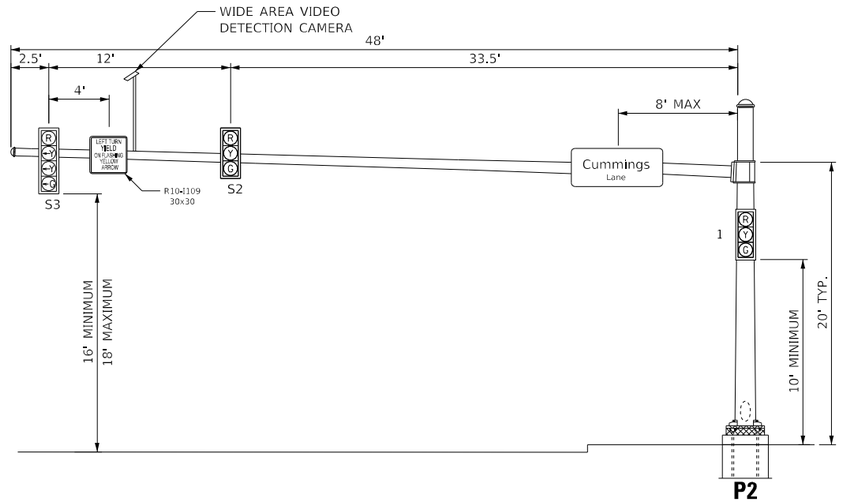
P7

NOTES

1. FINAL PLACEMENT FOR CAMERA LOCATIONS WILL BE FIELD VERIFIED FOR PROPER FUNCTIONALITY.
2. SEE HIGHWAY STANDARD 720016-04 FOR INFORMATION REGARDING MAST ARM MOUNTED STREET NAME SIGNS.
3. SEE SIGN DETAIL FOR "LEFT TURN YIELD ON FLASHING YELLOW ARROW" SIGN.



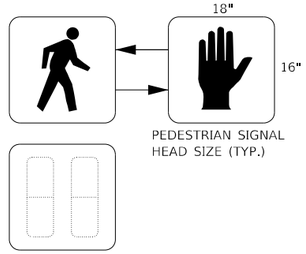
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P2

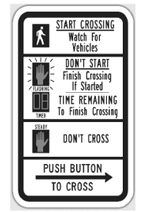
LEGEND

PEDESTRIAN COUNTDOWN SIGNAL DISPLAY DETAIL (P4, P5, P6, P7)



PEDESTRIAN SIGNAL HEAD SIZE (TYP.)

PEDESTRIAN CROSSING SIGN DETAIL (P4,P5,P6,P7)



4 REQUIRED,
PEDESTRIAN PUSH-BUTTON SIGN,
MUTCD R10-3e,
ARROW TO POINT LEFT,
9" X 15" = 0.94 SQ FT.
DIAMOND GRADE SHEETING,
INCLUDED IN "ACCESSIBLE
PEDESTRIAN SIGNALS"

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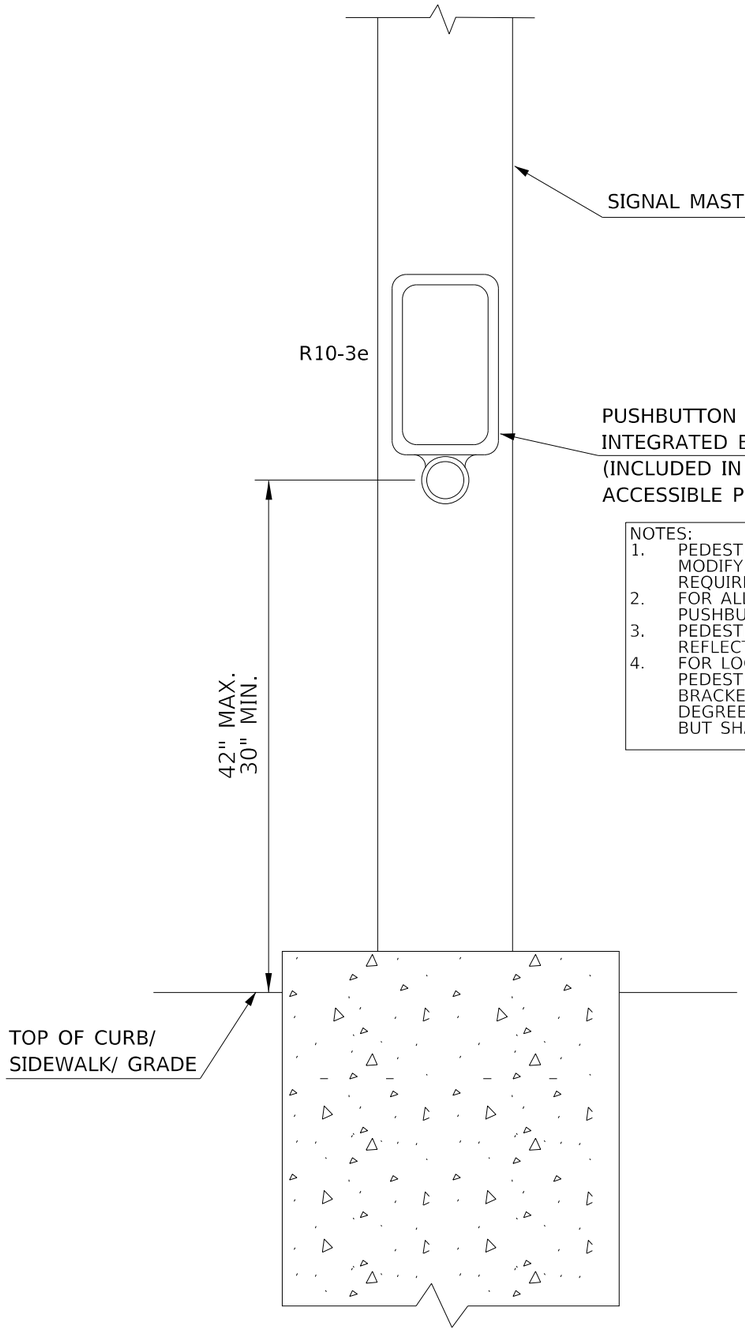
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MAST ARM LOADING DIAGRAM
FREEDOM PARKWAY & CUMMINGS LANE

SCALE: 5.0000 ' / in. | SHEET 3 OF 4 SHEETS | STA. | TO STA.

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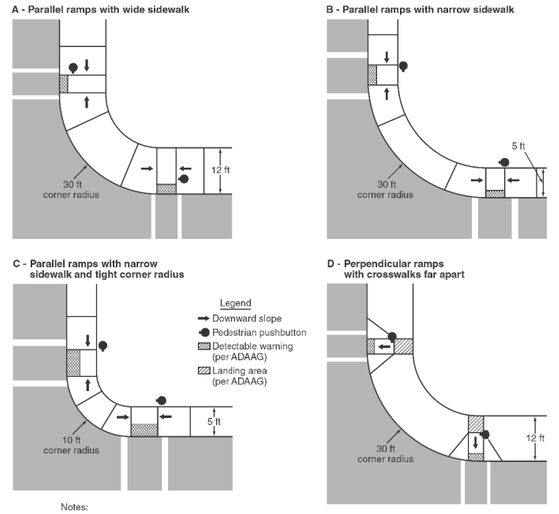
PEDESTRIAN PUSHBUTTON POST

NOTES:
1. PEDESTRIAN PUSHBUTTONS SHALL BE LOCATED IN ACCORDANCE WITH THE 2009 MUTCD. THE COST TO MODIFY OR RELOCATE ANY PUSHBUTTONS THAT WERE NOT INSTALLED ACCORDING TO MUTCD REQUIREMENTS AND CONTRACT SPECIFICATIONS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. FOR ALL INSTALLATIONS, THE REACH RANGE (DISTANCE BETWEEN THE FACE OF PEDESTRIAN PUSHBUTTON AND THE CLEAR SPACE) SHALL NOT EXCEED 10 INCHES.
3. PEDESTRIAN PUSHBUTTON SIGN (R10-3E) SHALL BE CONSTRUCTED USING DIAMOND GRADE (TYPE XI) REFLECTIVE SHEETING.
4. FOR LOCATIONS WITH TWO PEDESTRIAN PUSHBUTTONS ON A SINGLE TRAFFIC SIGNAL POST OR PEDESTRIAN PUSHBUTTON POST, THE CONTRACTOR SHALL FURNISH AND INSTALL A SINGLE MOUNTING BRACKET THAT HOUSES BOTH PEDESTRIAN PUSHBUTTON FRAMES, WITH INTEGRATED CUPS, AT A 90 DEGREE ANGLE FROM EACH OTHER. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE BID PRICE FOR THE PAY ITEM ACCESSIBLE PEDESTRIAN SIGNALS.

THESE REQUIREMENTS APPLY TO ALL PEDESTRIAN PUSHBUTTON INSTALLATIONS, INCLUDING PEDESTRIAN PUSHBUTTON POSTS, TRAFFIC SIGNAL POSTS, AND MAST ARM STRAIN POLE INSTALLATIONS.

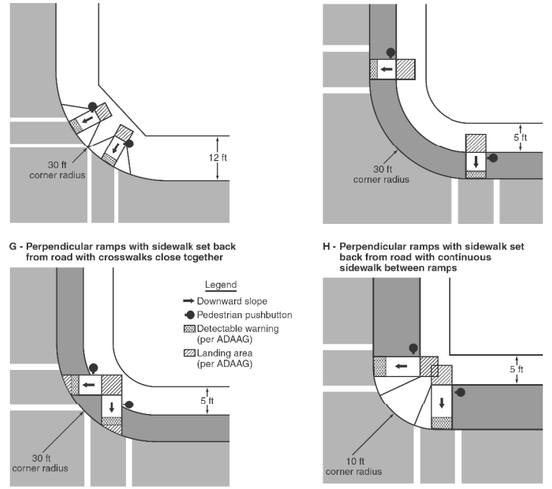
2009 MUTCD TYPICAL PUSHBUTTON LOCATIONS

Figure 4E-4. Typical Pushbutton Locations (Sheet 1 of 2)



Notes:
1. This figure is not drawn to scale.
2. These drawings are intended to describe the typical locations for pedestrian pushbutton installations. They are not intended to be a guide for the design of curb cut ramps.
3. Figure 4E-3 shows the recommended area for pushbutton locations.

Figure 4E-4. Typical Pushbutton Locations (Sheet 2 of 2)



Notes:
1. This figure is not drawn to scale.
2. Tese drawings are intended to describe the typical locations for pedestrian pushbutton installations. They are not intended to be a guide for the design of curb cut ramps.
3. Figure 4E-3 shows the recommended area for pushbutton locations.

NOT TO SCALE

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL DETAILS
FREEDOM PARKWAY & CUMMINGS LANE

SCALE: 20.0000 ' / in. SHEET 4 OF 4 SHEETS STA. TO STA.

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		CONTRACT NO. 89805		
		ILLINOIS	FED. AID PROJECT	

LIGHTING SYMBOLS LEGEND:

PROPOSED ROADWAY LUMINAIRE MOUNTED TO COMBINATION SIGNAL POLE

PROPOSED 135 WATT LED ROADWAY LUMINAIRE ON POLE WITH FOUNDATION

PROPOSED OUTDOOR ROADWAY LIGHTING CONTROLLER

L — PROPOSED 2" PVC SCHEDULE 40 CONDUIT WITH 4-1/C NO.6 1/C NO.6 GROUND (XLP TYPE USE)

E — PROPOSED ELECTRICAL CABLE IN CONDUIT, 600V 3-1/C NO. 3/0 IN 3" PVC (SCHEDULE 80) CONDUIT

L1 — PROPOSED 2" PVC SCHEDULE 80 CONDUIT WITH 2-1/C NO.6 1/C NO.6 GROUND (XLP TYPE USE) SERVING THE LIGHTING ON THE COMBINATION TRAFFIC SIGNAL POLES

PROPOSED 2" PVC SCHEDULE 80 CONDUIT UNDER ALL ROADWAYS AND ENTRANCES WITH 4-1/C NO.6, NO.6 GROUND (XLP-TYPE USE)

PROPOSED HANDHOLE

S# — 240V, 135W ROADWAY LIGHTING FIXTURE ON MAST ARM POLE WITH "#" DESIGNATES FIXTURE NUMBER ON PLANS

I# — COMBINATION TRAFFIC SIGNAL MAST ARM POLE WITH LUMINAIRE

— CIRCUIT NUMBER CALLOUT

ILLINOIS DEPARTMENT OF TRANSPORTATION LUMINAIRE PERFORMANCE TABLE-OVERHEAD LIGHTING

GIVEN CONDITIONS

ROADWAY DATA:	PAVEMENT WIDTHS	36 FT
	NUMBER OF LANES	2 LANES + MEDIAN
	MEDIAN WIDTH	12 FT
	IES SURFACE CLASSIFICATION	R3
	Q-ZERO VALUE	0.07
LIGHT POLE DATA:	MOUNTING HEIGHT	30 FT
	MAST ARM LENGTH	6 FT
	POLE SET-BACK FROM EDGE OF PAVEMENT	5 FT
LUMINAIRE DATA:	LAMP TYPE	135 W LED
	LAMP LUMENS	17,367
	IES VERTICAL DISTRIBUTION	MEDIUM
	IES CONTROL OF DISTRIBUTION	CUTOFF
	IES LATERAL DISTRIBUTION	TYPE 3
	TOTAL LIGHT LOSS FACTOR	0.7
LAYOUT DATA:	SPACING	104 FT
	CONFIGURATION	ONE SIDE
	LUMINAIRE OVERHANG OVER EDGE OF PAVEMENT LINE	1 FT

NOTE: VARIATIONS FROM THE ABOVE SPECIFIED IES DISTRIBUTION PATTERN MAY BE REQUESTED AND ACCEPTANCE OF VARIATIONS WILL BE SUBJECT TO REVIEW BY THE ENGINEER BASED ON HOW WELL THE PERFORMANCE REQUIREMENTS ARE MET.

PERFORMANCE REQUIREMENTS

NOTE: THESE PERFORMANCE REQUIREMENTS SHALL BE THE MINIMUM ACCEPTABLE STANDARDS OF PHOTOMETRIC PERFORMANCE FOR THE LUMINAIRE, BASED ON THE GIVEN CONDITIONS LISTED ABOVE.

ILLUMINATION:	AVERAGE HORIZONTAL ILLUMINATION, (EAVE)	1.46 FC
	UNIFORMITY RATIO, (EAVE/EMIN)	2.09
LUMINANCE: ROADWAY)	AVERAGE LUMINANCE: (LAVE)	1.15 Cd/m2
	UNIFORMITY RATIOS: (LAVE/LMIN)	3.8
	(LMAX/LMIN)	5.6
	MAXIMUM VEILING LUMINANCE RATIO: (LV/LAVE)	0.08

GENERAL NOTES:

1. PRIOR TO THE INSTALLATION OF NEW CONDUITS, HANDHOLES, JUNCTION BOXES, LIGHT STANDARD FOUNDATIONS AND APPURTENANCES THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF EXISTING LIGHTING CONDUITS, CABLES AND UNDERGROUND UTILITIES.
2. THE CONTRACTOR SHALL VERIFY ALL OF THE DATA SHOWN ON THE CONTRACT PLANS AND REFERENCE DRAWINGS WHICH WOULD AFFECT HIS WORK UNDER THIS CONTRACT AND THE OPERATION OF THE EXISTING ROADWAY LIGHTING SYSTEMS.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS PROJECT.
4. ALL NEW CONDUIT, JUNCTION BOXES AND APPURTENANCES ARE ILLUSTRATED DIAGRAMMATICALLY. THE ACTUAL LOCATION IN THE FIELD SHALL MEET WITH THE APPROVAL OF THE ENGINEER.
5. THE SCALE SHOWN ON THE PLANS APPLIES ONLY TO THE FULL SIZE PLANS AND NOT TO REDUCED SIZED PLANS.
6. ELECTRICAL MATERIALS SHALL BE NEW AND OF THE TYPES AND KINDS APPROVED BY THE FOLLOWING ORGANIZATIONS:
   NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
   INSTITUTE OF THE ELECTRICAL AND ELECTRONICS ENGINEERS
   ILLUMINATING ENGINEERING SOCIETY
   AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
   U.S. DEPARTMENT OF TRANSPORTATION
   UNDERWRITERS LABORATORIES
   AMERICAN NATIONAL STANDARDS INSTITUTE
   INSULATED CABLE ENGINEERS ASSOCIATION
   IDOT STANDARD SPECIFICATIONS FOR ROAD BRIDGE CONSTRUCTION
7. CONDUIT TO BE INSTALLED BY TRENCHING OR BORING AT THE DISCRETION OF THE CONTRACTOR.
8. CONDUIT SHALL BE POSITIONED IN THE FIELD TO AVOID CONFLICT WITH UNDERDRAINS.
9. ALL DISTURBED AREAS WHERE RESTORATION IS NOT COVERED BY APPLICABLE SECTIONS OF THE SPECIAL PROVISIONS SHALL BE RESTORED WITH TOPSOIL AND SOD. DAMAGED CURB AND GUTTER AREAS SHALL BE RESTORED TO THE SATISFACTION OF THE ENGINEER. THE WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. SEPARATE PAYMENT WILL NOT BE MADE.
10. MAINTENANCE OF THE EXISTING ROADWAY LIGHTING INCLUDED WITHIN THE LIMITS OF THE IMPROVEMENT PROJECT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR BEGINNING ON THE DATE WORK ON THE PROJECT BEGINS AND AS REQUIRED IN THE SPECIAL PROVISIONS. TURNOVER MEETING(S) TO ESTABLISH THE CONDITIONS OF THE ROADWAYS AND THE PENDING WORK REQUIREMENTS WILL BE SCHEDULED WITH THE CITY AT THE PRE-CONSTRUCTION MEETING BY THE CONTRACTOR.
11. ALL LIGHT POLES, CONTROLLER CABINETS, HANDHOLES, EXPOSED METALLIC CONDUIT, AND OTHER METALLIC COMPONENTS SHALL BE GROUNDED AND SAFETY BONDED IN ACCORDANCE WITH NEC REQUIREMENTS.
12. SCHEDULE 80 CONDUIT SHALL BE INSTALLED UNDER ALL DRIVEWAYS, ROADWAYS, AND ENTRANCES. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED CONDUIT.
13. STAINLESS STEEL OR PERFORATED ALUMINUM SCREENING SHALL BE INSTALLED AROUND ALL BREAKAWAY COUPLINGS AND ANCHOR BOLTS TO PREVENT RODENT ENTRY.
14. THE CONTRACTOR SHALL CONTACT DENNIS CARR AT (309) 444-1136 TO SCHEDULE A LIGHTING PRE-INSPECTION AFTER TEN (10) LIGHT POLES HAVE BEEN INSTALLED TO IDENTIFY ANY ISSUES PRIOR TO THE PROJECT ELECTRICAL FINAL INSPECTION.
15. THE CONTRACTOR MAY ELECT TO UTILIZE UNIT DUCT (CABLE IN DUCT) WITH THE SAME DIAMETER AND CABLES AS SHOWN IN THE PLAN SHEETS AT NO ADDITIONAL COST TO THE CONTRACT.

LIGHT FIXTURE SHEDULE

FIXTURE TYPE	MANIFACTURER & CATALOG NO.	TYPE/LAMPS /WATTS	VOLT	MOUNTING
S#	STERNBERG LIGHTING (POLE AND PED LIGHT) 1A-CA6/1AM-1521LED-R-4ARC40T3-MDL03-FG-EZ/ONSPM/9230ARTF-16SF/BAC/VD/TFCC/BK AEL (ROADWAY LIGHT) ATBM-P40-MVOLT-R3-4B-BK	ROADWAY FIXTURE LED 135W	240V	30' DECORATIVE POLE WITH ROADWAY FIXTURE ON 6' ARM
I#	SEE SPECIAL PROVISIONS FOR FIXTURE REQUIREMENTS ROADWAY LIGHTING TO BE AGL: ATBM-P40-MVOLT-R3-4B-BK	ROADWAY FIXTURE LED MOUNTED TO TRAFFIC SIGNAL POLE, OUTPUT DESIGNATION H	120V	MOUNTED TO TRAFFIC SIGNAL POLE AT 45 FT POLE (SEE IDOT HIGHWAY STANDARD 877011-10)

LIGHTING SUMMARY OF QUANTITIES

PAY ITEM NO.	ITEM	UNIT	QUANTITY
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	4092
81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	368
81400100	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1
81702460	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 3/0	FOOT	433
821100008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	4
83060450	LIGHT POLE, GALVANIZED STEEL, 45 FT. M.H., 15 FT. MAST ARM	EACH	3
83600300	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	207
X0326263	EQUIPMENT CABINET	EACH	1
X8250500	LIGHTING UNIT COMPLETE, SPECIAL	EACH	34
	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 2/C NO. 6 & 1/C NO. 6 GROUND	FOOT	547
	ELECTRIC CABLE IN CONDUIT, 600V, (XLP-TYPE USE) 4/C NO. 6 & 1/C NO. 6 GROUND	FOOT	3767

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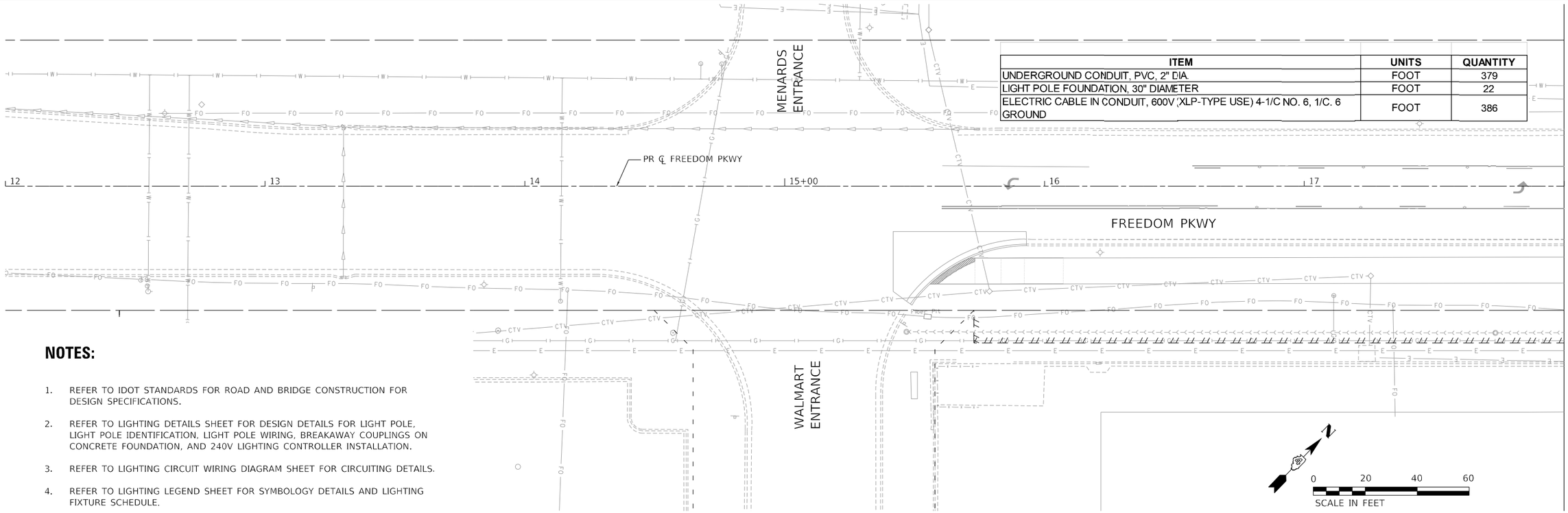
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLANS
FREEDOM PARKWAY

SCALE: 20.0000 ' / in. SHEET 1 OF 8 SHEETS STA. 12+00 TO STA. 24+00

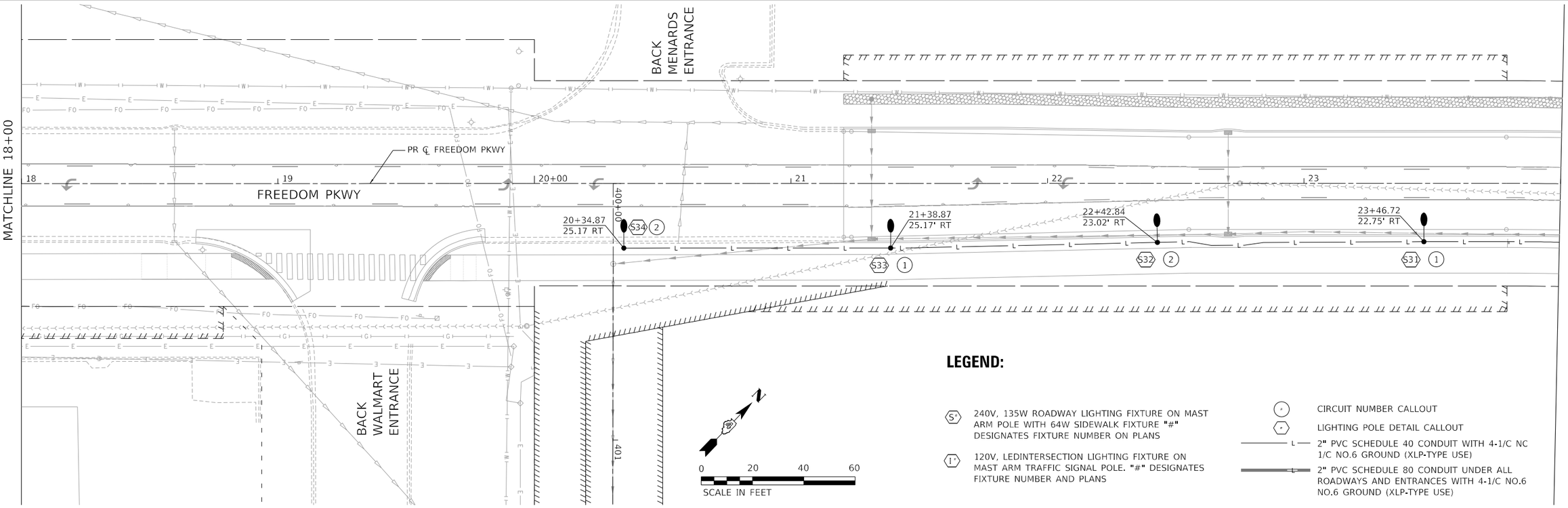
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	85
		CONTRACT NO. 89805		
	ILLINOIS FED. AID PROJECT			

ITEM	UNITS	QUANTITY
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	379
LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	22
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 4-1/C NO. 6, 1/C. 6 GROUND	FOOT	386



NOTES:

1. REFER TO IDOT STANDARDS FOR ROAD AND BRIDGE CONSTRUCTION FOR DESIGN SPECIFICATIONS.
2. REFER TO LIGHTING DETAILS SHEET FOR DESIGN DETAILS FOR LIGHT POLE, LIGHT POLE IDENTIFICATION, LIGHT POLE WIRING, BREAKAWAY COUPLINGS ON CONCRETE FOUNDATION, AND 240V LIGHTING CONTROLLER INSTALLATION.
3. REFER TO LIGHTING CIRCUIT WIRING DIAGRAM SHEET FOR CIRCUITING DETAILS.
4. REFER TO LIGHTING LEGEND SHEET FOR SYMBOLOGY DETAILS AND LIGHTING FIXTURE SCHEDULE.



LEGEND:

- 240V, 135W ROADWAY LIGHTING FIXTURE ON MAST ARM POLE WITH 64W SIDEWALK FIXTURE "#" DESIGNATES FIXTURE NUMBER ON PLANS
- 120V, LEDINTERSECTION LIGHTING FIXTURE ON MAST ARM TRAFFIC SIGNAL POLE. "#" DESIGNATES FIXTURE NUMBER AND PLANS
- CIRCUIT NUMBER CALLOUT
- LIGHTING POLE DETAIL CALLOUT
- 2" PVC SCHEDULE 40 CONDUIT WITH 4-1/C NC 1/C NO.6 GROUND (XLP-TYPE USE)
- 2" PVC SCHEDULE 80 CONDUIT UNDER ALL ROADWAYS AND ENTRANCES WITH 4-1/C NO.6 NO.6 GROUND (XLP-TYPE USE)

MODEL: Default
FILE NAME: pw:\\terraengpw.bentley.com:terraengpw01\Documents\Projects\20\20-140-001 Freedom Pkwy\Design\100 - Drawings\110 - Sht\07 - Lighting-Signals\D420140-SHT-LIGHTING-01.dgn

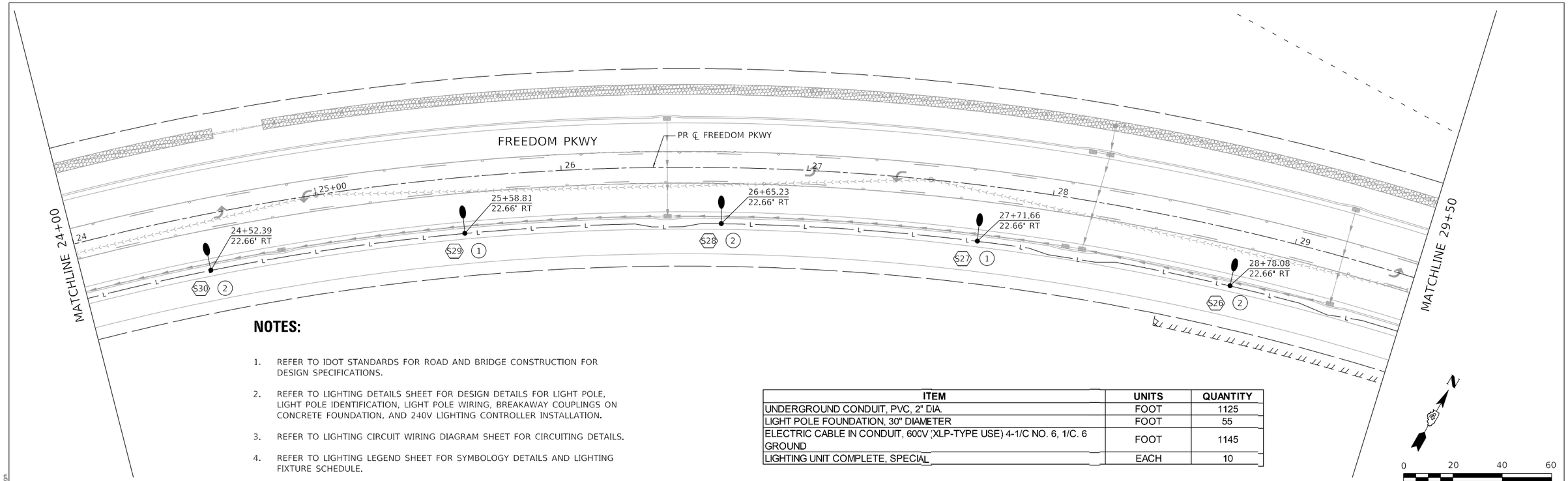
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	PLOT DATE = 3/16/2023	DATE - 2023/03/17	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING PLANS
FREEDOM PARKWAY

SCALE: 20.0000 ' / in. SHEET 2 OF 8 SHEETS STA. 24+00 TO STA. 35+00

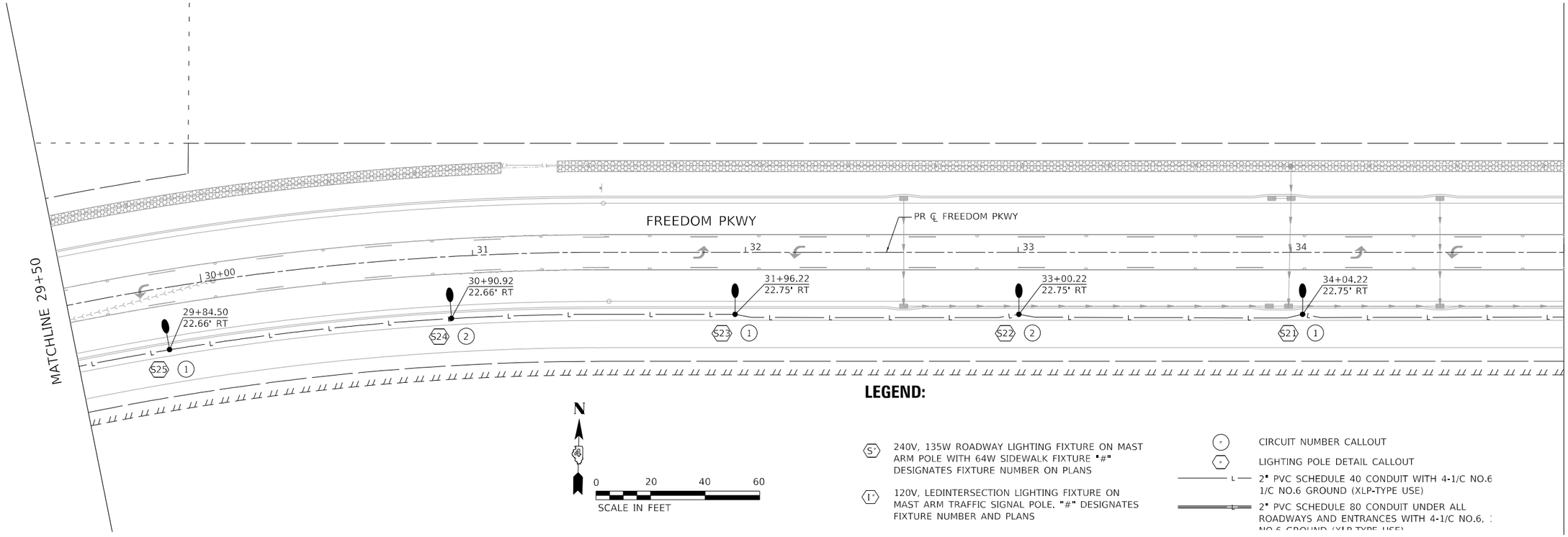
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	86
		CONTRACT NO. 89805		
	ILLINOIS FED. AID PROJECT			



NOTES:

1. REFER TO IDOT STANDARDS FOR ROAD AND BRIDGE CONSTRUCTION FOR DESIGN SPECIFICATIONS.
2. REFER TO LIGHTING DETAILS SHEET FOR DESIGN DETAILS FOR LIGHT POLE, LIGHT POLE IDENTIFICATION, LIGHT POLE WIRING, BREAKAWAY COUPLINGS ON CONCRETE FOUNDATION, AND 240V LIGHTING CONTROLLER INSTALLATION.
3. REFER TO LIGHTING CIRCUIT WIRING DIAGRAM SHEET FOR CIRCUITING DETAILS.
4. REFER TO LIGHTING LEGEND SHEET FOR SYMBOLOGY DETAILS AND LIGHTING FIXTURE SCHEDULE.

ITEM	UNITS	QUANTITY
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	1125
LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	55
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 4-1/C NO. 6, 1/C. 6 GROUND	FOOT	1145
LIGHTING UNIT COMPLETE, SPECIAL	EACH	10



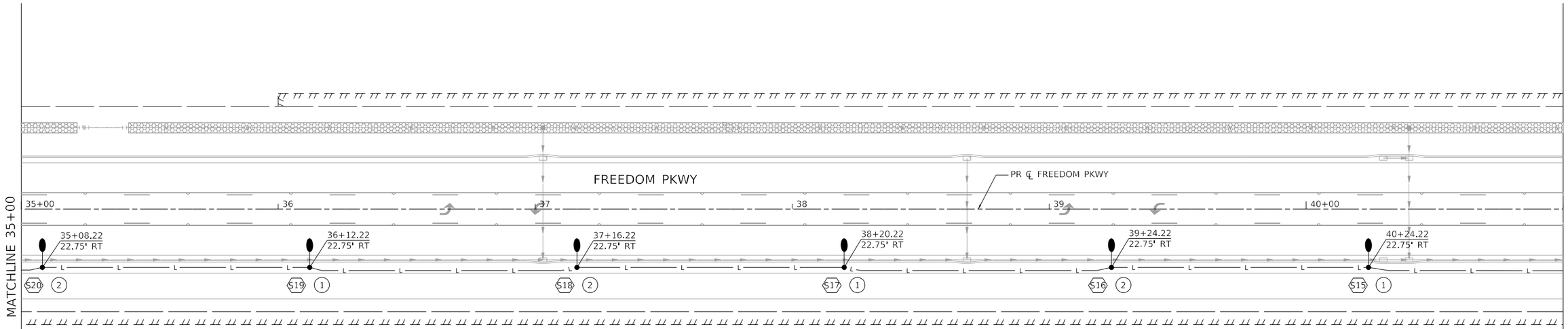
LEGEND:

- (S*) 240V, 135W ROADWAY LIGHTING FIXTURE ON MAST ARM POLE WITH 64W SIDEWALK FIXTURE "#" DESIGNATES FIXTURE NUMBER ON PLANS
- (I*) 120V, LEDINTERSECTION LIGHTING FIXTURE ON MAST ARM TRAFFIC SIGNAL POLE. "#" DESIGNATES FIXTURE NUMBER AND PLANS
- (*) CIRCUIT NUMBER CALLOUT
- (*) LIGHTING POLE DETAIL CALLOUT
- 2" PVC SCHEDULE 40 CONDUIT WITH 4-1/C NO.6 1/C NO.6 GROUND (XLP-TYPE USE)
- 2" PVC SCHEDULE 80 CONDUIT UNDER ALL ROADWAYS AND ENTRANCES WITH 4-1/C NO.6, 1/C NO.6 GROUND (XLP-TYPE USE)

MODEL: Default
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TERRA ENGINEERING LTD.	USER NAME = AlphonseE	DESIGNED - CC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHTING PLANS FREEDOM PARKWAY
	FILENAME = D420140-SHT-LIGHTING-02.dgn	DRAWN - AE	REVISED -		
	PLOT SCALE = 20.0000 ' / in.	CHECKED - ET	REVISED -		SCALE: 20.0000 ' / in. SHEET 3 OF 8 SHEETS STA. 35+00 TO STA. 47+00
	PLOT DATE = 3/16/2023	DATE - 2023/03/17	REVISED -		

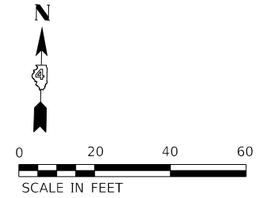
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	87
		CONTRACT NO. 89805		
		ILLINOIS	FED. AID PROJECT	



NOTES:

1. REFER TO IDOT STANDARDS FOR ROAD AND BRIDGE CONSTRUCTION FOR DESIGN SPECIFICATIONS.
2. REFER TO LIGHTING DETAILS SHEET FOR DESIGN DETAILS FOR LIGHT POLE, LIGHT POLE IDENTIFICATION, LIGHT POLE WIRING, BREAKAWAY COUPLINGS ON CONCRETE FOUNDATION, AND 240V LIGHTING CONTROLLER INSTALLATION.
3. REFER TO LIGHTING CIRCUIT WIRING DIAGRAM SHEET FOR CIRCUITING DETAILS.
4. REFER TO LIGHTING LEGEND SHEET FOR SYMBOLOGY DETAILS AND LIGHTING FIXTURE SCHEDULE.

ITEM	UNITS	QUANTITY
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	1250
LIGHT POLE FOUNDATION, 30' DIAMETER	FOOT	66
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 4-1/C NO. 6, 1/C. 6 GROUND	FOOT	1274
LIGHTING UNIT COMPLETE, SPECIAL	EACH	12



LEGEND:

S' 240V, 135W ROADWAY LIGHTING FIXTURE ON MAST ARM POLE WITH 64W SIDEWALK FIXTURE "#" DESIGNATES FIXTURE NUMBER ON PLANS

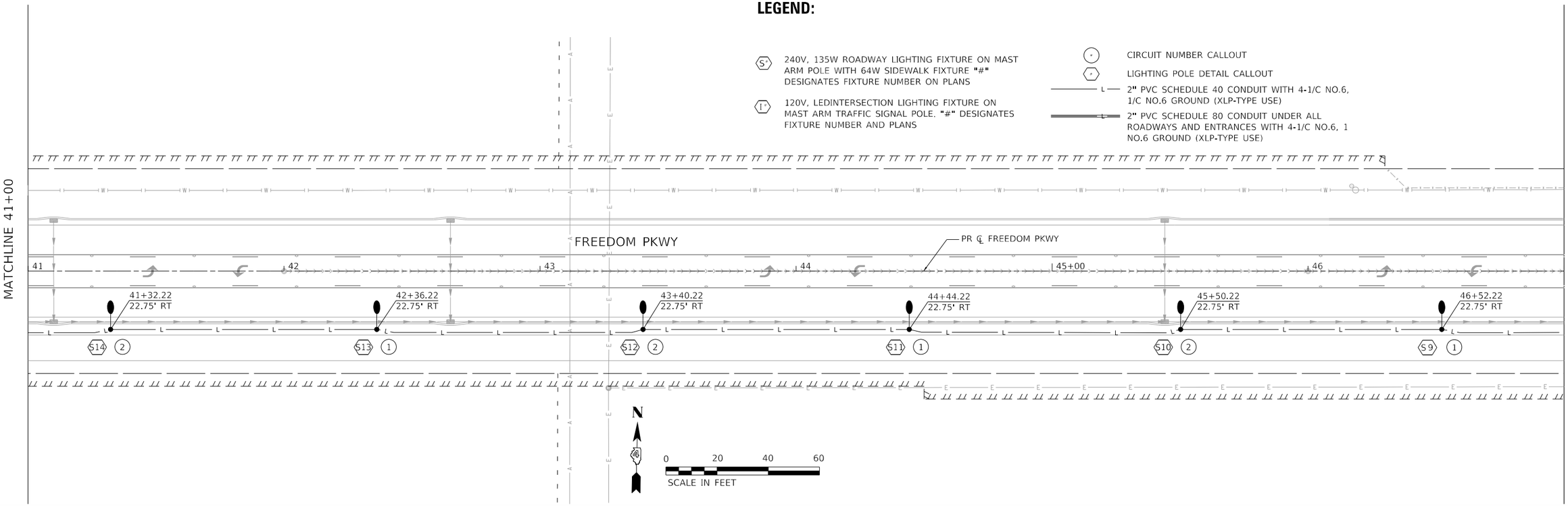
1' 120V, LEDINTERSECTION LIGHTING FIXTURE ON MAST ARM TRAFFIC SIGNAL POLE. "#" DESIGNATES FIXTURE NUMBER AND PLANS

' CIRCUIT NUMBER CALLOUT

' LIGHTING POLE DETAIL CALLOUT

L — 2" PVC SCHEDULE 40 CONDUIT WITH 4-1/C NO.6, 1/C NO.6 GROUND (XLP-TYPE USE)

2" PVC SCHEDULE 80 CONDUIT UNDER ALL ROADWAYS AND ENTRANCES WITH 4-1/C NO.6, 1 NO.6 GROUND (XLP-TYPE USE)

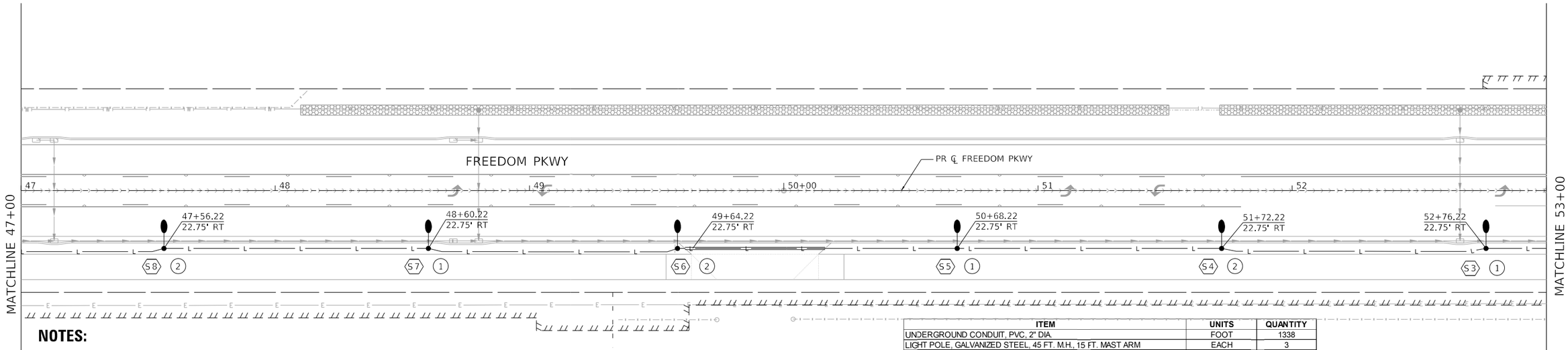


TERRA ENGINEERING LTD.

USER NAME = AlphonseE	DESIGNED - CC	REVISED -	**STATE OF ILLINOIS**	**LIGHTING PLANS**	
FILENAME = D420140-SHT-LIGHTING-03.dgn	DRAWN - AE	REVISED -	**DEPARTMENT OF TRANSPORTATION**	**FREEDOM PARKWAY**	
PLOT SCALE = 20.0000 ' / in.	CHECKED - ET	REVISED -		SCALE: 20.0000 ' / in. SHEET 4 OF 8 SHEETS STA. 47+00 TO STA.	
PLOT DATE = 3/16/2023	DATE - 2023/03/17	REVISED -			

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	88
		CONTRACT NO. 89805		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
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NOTES:

1. REFER TO IDOT STANDARDS FOR ROAD AND BRIDGE CONSTRUCTION FOR DESIGN SPECIFICATIONS.
2. REFER TO LIGHTING DETAILS SHEET FOR DESIGN DETAILS FOR LIGHT POLE, LIGHT POLE IDENTIFICATION, LIGHT POLE WIRING, BREAKAWAY COUPLINGS ON CONCRETE FOUNDATION, AND 240V LIGHTING CONTROLLER INSTALLATION.
3. REFER TO LIGHTING CIRCUIT WIRING DIAGRAM SHEET FOR CIRCUITING DETAILS.
4. REFER TO LIGHTING LEGEND SHEET FOR SYMBOLOGY DETAILS AND LIGHTING FIXTURE SCHEDULE.
5. INTERSECTION LIGHTING FIXTURES ARE CONTROLLED VIA PHOTO CELL IN TRAFFIC CABINET

ITEM	UNITS	QUANTITY
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	1338
LIGHT POLE, GALVANIZED STEEL, 45 FT. M.H., 15 FT. MAST ARM	EACH	3
LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	64
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 4-1/C NO. 6, 1/C. 6 GROUND	FOOT	962
LIGHTING UNIT COMPLETE, SPECIAL	EACH	8
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 2/C NO. 6 & 1/C NO. 6 GROUND	FOOT	547
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	368
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 3/0	FOOT	433
ELECTRIC SERVICE INSTALLATION	EACH	1
EQUIPMENT CABINET	EACH	1
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	4

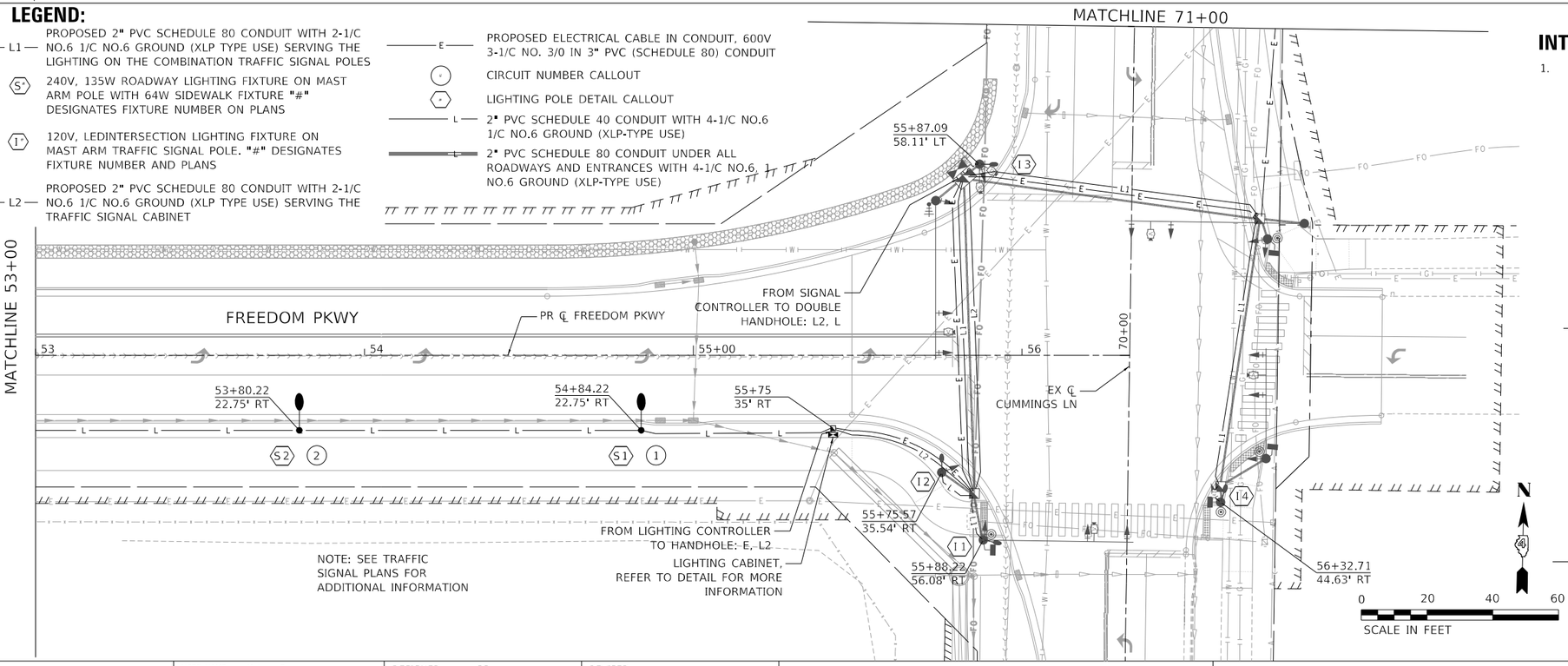
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SCALE IN FEET

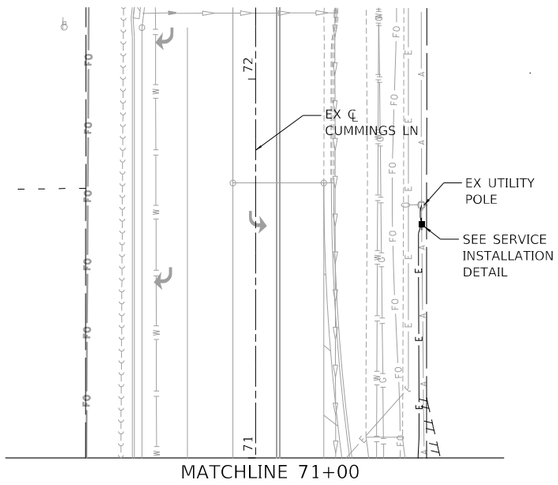
LEGEND:

- L1 — PROPOSED 2" PVC SCHEDULE 80 CONDUIT WITH 2-1/C NO.6 1/C NO.6 GROUND (XLP TYPE USE) SERVING THE LIGHTING ON THE COMBINATION TRAFFIC SIGNAL POLES
- S — 240V, 135W ROADWAY LIGHTING FIXTURE ON MAST ARM POLE WITH 64W SIDEWALK FIXTURE "#" DESIGNATES FIXTURE NUMBER ON PLANS
- I — 120V, LEDINTERSECTION LIGHTING FIXTURE ON MAST ARM TRAFFIC SIGNAL POLE. "#" DESIGNATES FIXTURE NUMBER AND PLANS
- L2 — PROPOSED 2" PVC SCHEDULE 80 CONDUIT WITH 2-1/C NO.6 1/C NO.6 GROUND (XLP TYPE USE) SERVING THE TRAFFIC SIGNAL CABINET
- E — PROPOSED ELECTRICAL CABLE IN CONDUIT, 600V 3-1/C NO. 3/0 IN 3" PVC (SCHEDULE 80) CONDUIT
- CIRCUIT NUMBER CALLOUT
- LIGHTING POLE DETAIL CALLOUT
- L — 2" PVC SCHEDULE 40 CONDUIT WITH 4-1/C NO.6 1/C NO.6 GROUND (XLP-TYPE USE)
- 2" PVC SCHEDULE 80 CONDUIT UNDER ALL ROADWAYS AND ENTRANCES WITH 4-1/C NO.6, 1 NO.6 GROUND (XLP-TYPE USE)



INTERSECTION NOTE:

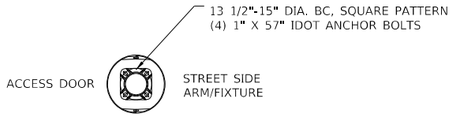
1. SEE TRAFFIC SIGNAL PLANS FOR ADDITIONAL INFORMATION REGARDING POLES I1, I2, I3, AND I4.



MODEL: Default
FILE NAME: pw:\\terraeng-pw.bentley.com:terraeng-pw-01\Documents\Projects\2020\20-140-001 Freedom Pkwy\Design\100 - Drawings\110 - Sht\07 - Lighting-Signals\D420140-SHT-LIGHTING-04.dgn

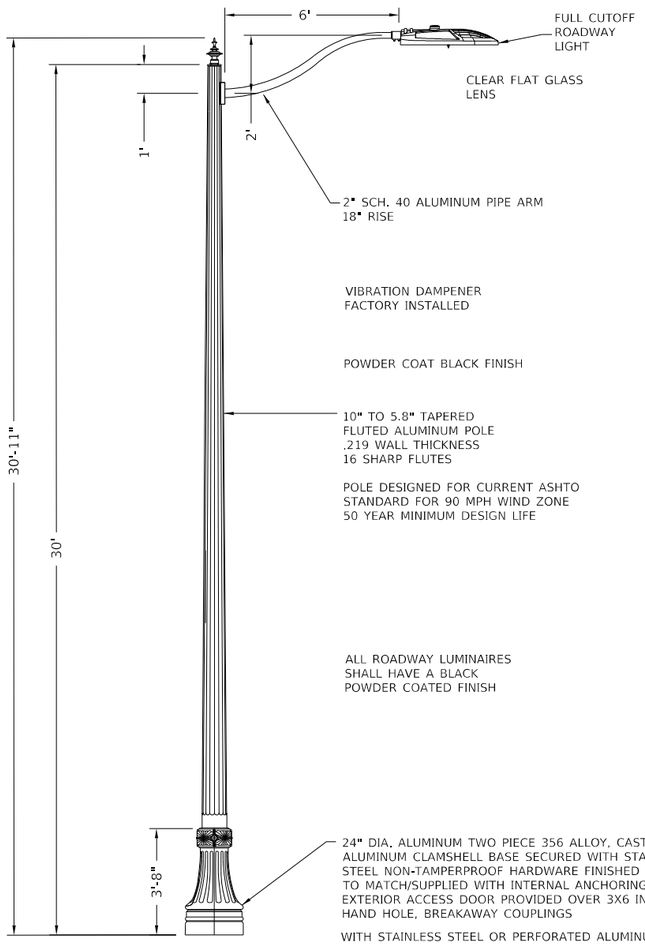
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	PLOT DATE = 3/16/2023	DATE - 2023/03/17	REVISED -		

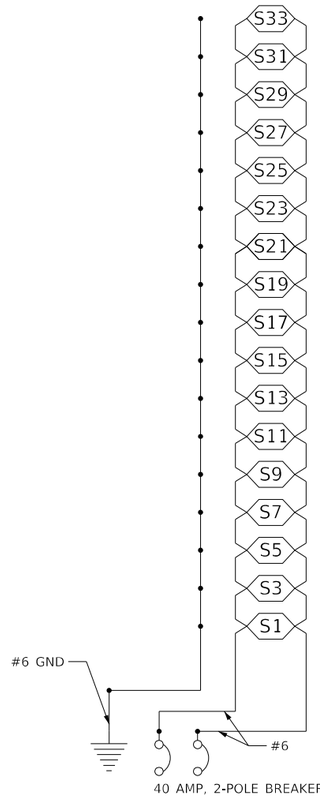
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	89
		CONTRACT NO. 89805		
		ILLINOIS	FED. AID PROJECT	



LED SOURCE
ROADWAY LIGHTING,
135w, 4,000K
TYPE 3 DISTRIBUTION

LED LIGHT SOURCE

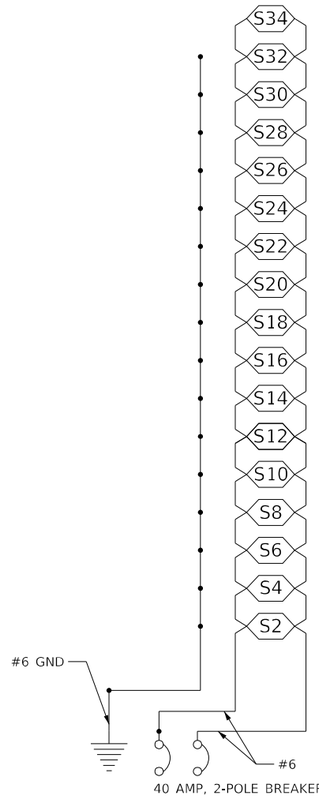




40 AMP, 2-POLE BREAKER

CONTROLLER C1
CIRCUIT 1
200A, 120/240V, 1 PHASE, 3W

VOLTAGE DROP = 0.48%
LOAD 2657W

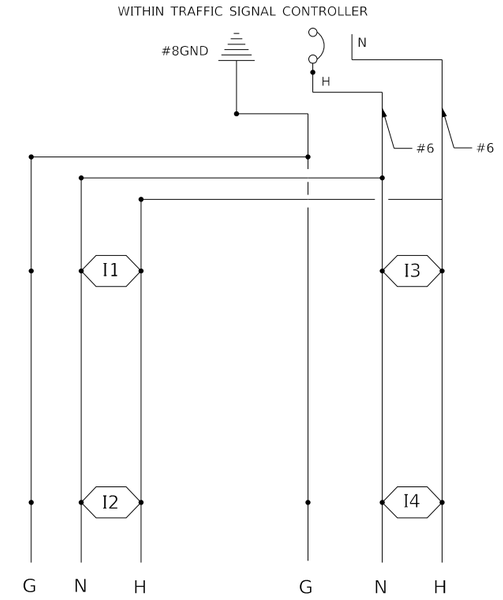


40 AMP, 2-POLE BREAKER

CONTROLLER C1
CIRCUIT 2
200A, 120/240V, 1 PHASE, 3W

VOLTAGE DROP = 0.32%
LOAD 2912W

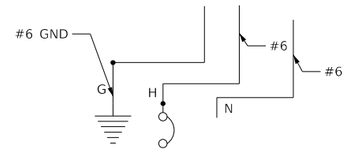
WITHIN TRAFFIC SIGNAL CONTROLLER



20 AMP, 1-POLE BREAKER

CUMMINGS & FREEDOM
CIRCUIT 3
(INSIDE TRAFFIC CABINET)
PROVIDE PHOTOCELL TO
CONTROL LIGHTING CIRCUIT
SPARE CIRCUIT BREAKER

TO TRAFFIC SIGNAL CONTROLLER



30 AMP 1-POLE BREAKER

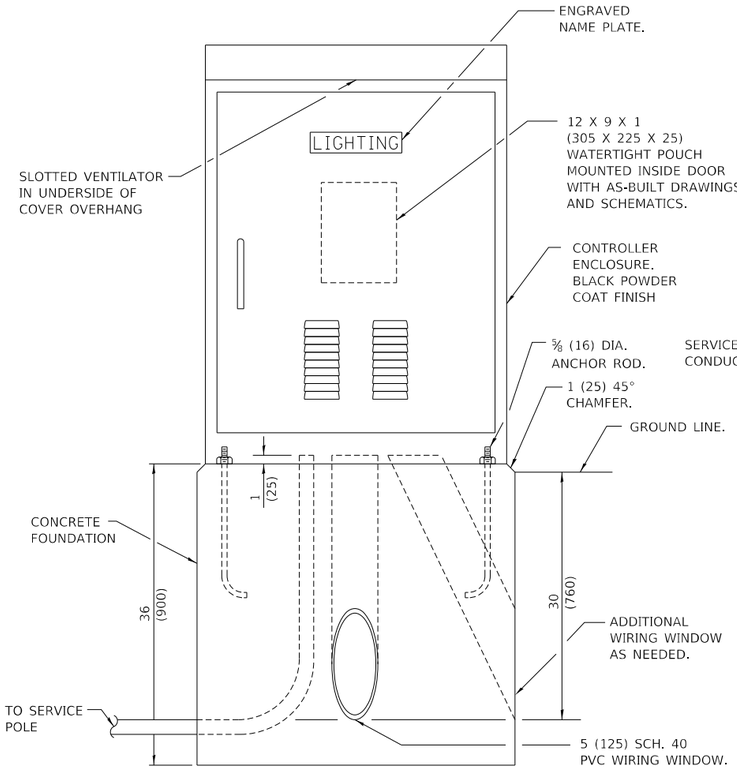
CONTROLLER C1
CIRCUIT 4

ROADWAY LIGHTING POLE
("S")
LIGHTING UNIT COMPLETE, SPECIAL

MODEL: Default
FILE NAME: pw:\\terraengpw.bentley.com:terraengpw01\Documents\Projects\2020\20-140-001 Freedom Pkwy\Design\100 - Shts\07 - Lighting-Signals\D420140-SHT-LIGHTING-05.dgn

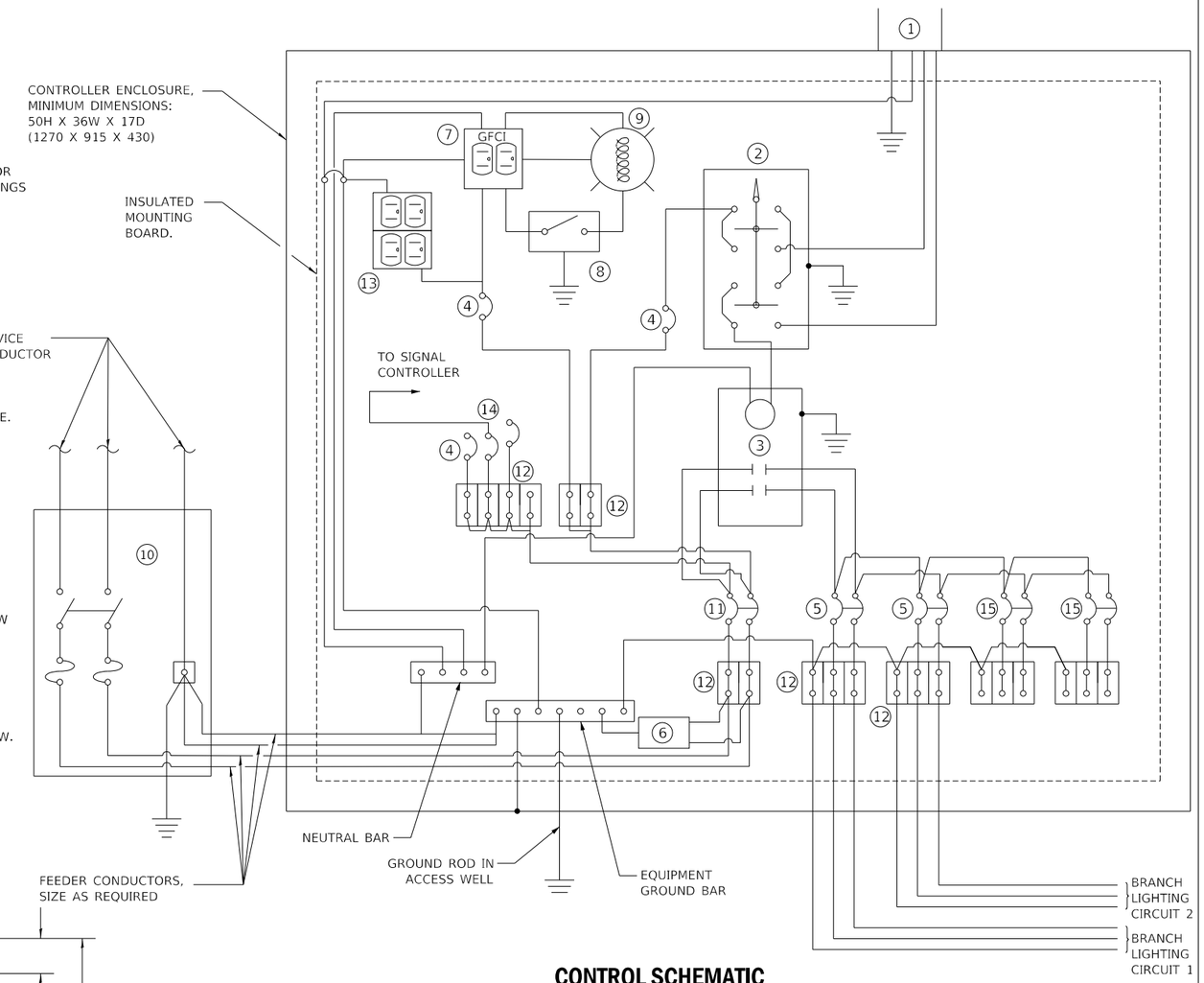
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	PLOT DATE = 3/16/2023	DATE - 2023/03/17	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	90
		CONTRACT NO. 89805		
	ILLINOIS FED. AID PROJECT			

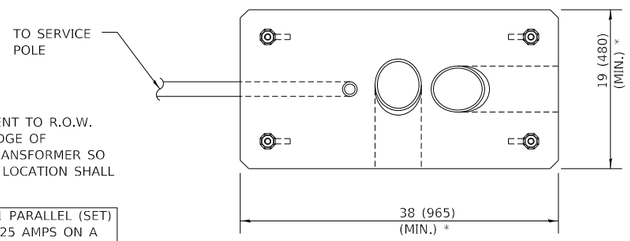


CONTROL INSTALLATION

(FRONT VIEW)

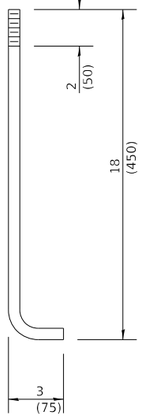


CONTROL SCHEMATIC



FOUNDATION

(TOP VIEW)



ANCHOR ROD DETAIL

GENERAL NOTES

LOCATE SERVICE POLE AND CONTROL INSTALLATION ADJACENT TO R.O.W. LINE WITH A MINIMUM DISTANCE OF 9 M (30') FROM THE EDGE OF PAVEMENT. LOCATE IN CLOSE PROXIMITY TO THE UTILITY TRANSFORMER SO THE SERVICE DROP DOES NOT EXEED 46 M (150FT). EXACT LOCATION SHALL BE ESTABLISHED BY THE ENGINEER.

VOLTAGE DROP WILL BE LIMITED TO 0.66% OR LESS WITH 1 PARALLEL (SET) OF 3/0 AWG COPPER CONDUCTOR DELIVERING A TOTAL OF 25 AMPS ON A 240 VOLT SINGLE PHASE SYSTEM FOR A DISTANCE OF APPROXIMATELY 365 FEET FROM UTILITY TRANSFORMER TO LIGHTING CONTROLLER.

WIRING SHALL BE PANEL BOARD FASHION. ALL BENDS SHALL BE RIGHT ANGLES. ALL RUNS SHALL VERTICAL OR PARALLEL TO PANEL BOARD. WIRES SHALL BE GROUPED OR LACED.

ALL CONTROL INSTALLATION COMPONENTS SHALL BE U.L. LISTED.

RACEWAYS SHALL TERMINATE 75 (3) ABOVE TOP OF THE CONCRETE FOUNDATION.

LABEL EQUIPMENT GROUND BUSES AND NEUTRAL BUSES.

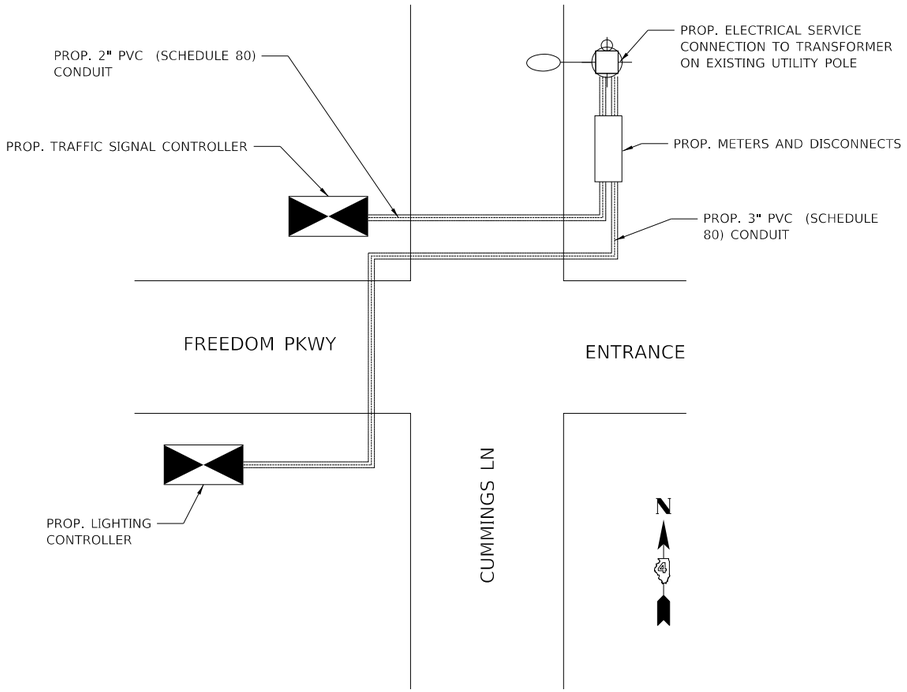
1. PHOTOCELL WITH INTEGRAL SURGE ARRESTER. (MOUNT IN CABINET OVERHANG)
2. HAND-OFF-AUTO SELECTOR SWITCH.
3. 200 AMP, ELECTRICALLY HELD CONTRACTOR.
4. SPARE 20 AMP, 1-POLE CIRCUIT BREAKER
5. 40 AMP, 2-POLE CIRCUIT BREAKER. (TWO SPARES REQUIRED BUT NOT SHOWN)
6. SURGE ARRESTER.
7. GFCI DUPLEX RECEPTACLE.
8. SINGLE-POLE, SINGLE-THROW SWITCH.
9. LED LUMINAIRE, ENCLOSED AND GASKETTED WITH 100 WATT EQUIVALENT LED LAMP.
10. SERVICE DISCONNECT SWITCH 2-POLES, 3-WIRE, 200 AMP, FUSED AT 200 AMP, SOLID NEUTRAL IN NEMA 4X ENCLOSED HAVING LOCKABLE EXTERNAL HANDLE.
11. 200 AMP, 2-POLE CIRCUIT BREAKER.
12. ADJUST THE TERMINAL STRIPS ON THE LOAD SIDE OF THE BREAKERS TO ACCOMMODATE THE ACTUAL NUMBER OF WIRES CONNECTED, SEE CIRCUIT WIRING DIAGRAM SHEET FOR DETAILS.
13. QUAD EQUIPMENT RECEPTACLE
14. 30A 1-POLE CIRCUIT BREAKER FOR TRAFFIC SIGNAL CONTROLLER
15. SPARE 40A 2-POLE CIRCUIT BREAKERS

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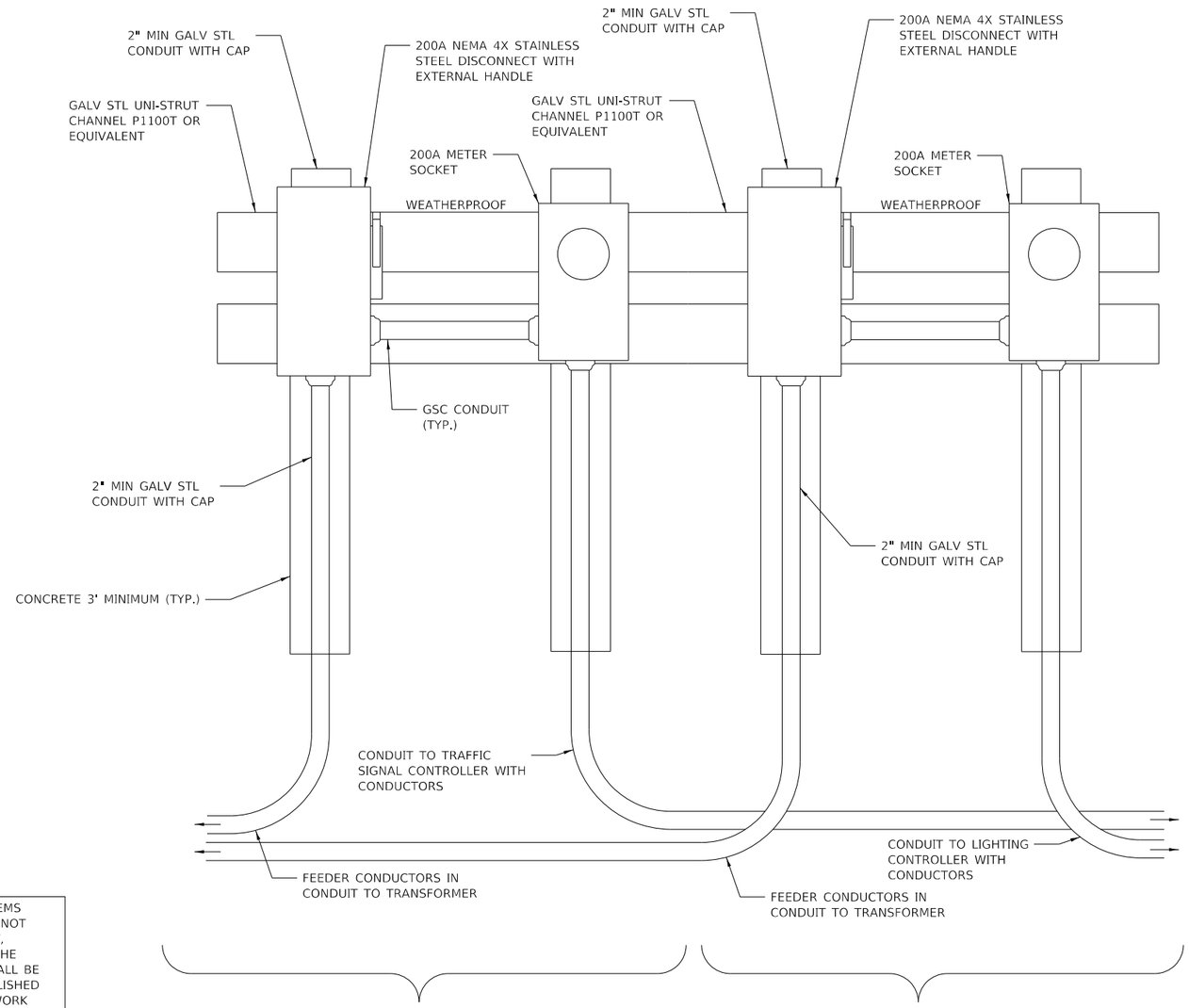
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	91
		CONTRACT NO. 89805		
		ILLINOIS	FED. AID PROJECT	

PLAN VIEW SCHEMATIC



ELECTRIC SERVICE INSTALLATION



THE CONTRACTOR SHALL VERIFY UTILITY COMPANY (AMEREN) SERVICE INSTALLATION REQUIREMENTS, THERE WILL BE NO ADDITIONAL COMPENSATION TO ACCOMODATE ADDITIONAL REQUIREMENTS.

THE FOLLOWING SHALL BE INCLUDED IN THE COST OF THE PROPOSED ELECTRIC SERVICE INSTALLATION (FOR LIGHTING) AND SERVICE INSTALLATION, TYPE A (FOR TRAFFIC SIGNALS):

- THE UNDERGROUND SERVICE CABLE FROM THE EXISTING TRANSFORMER TO THE PROPOSED ELECTRICAL SERVICE.
- LIGHTING SERVICE CABLE FROM THE ELECTRICAL SERVICE TO THE LIGHTING CONTROLLER.
- THE UNDERGROUND SERVICE CONDUIT FROM THE EXISTING TRANSFORMER TO THE PROPOSED ELECTRICAL SERVICE.

THE UNDERGROUND CONDUIT FROM THE SERVICE METER TO THE CONTROLLER SHALL BE PAID SEPARATELY.

THE CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS REQUIRED FOR THE ELECTRIC SERVICE INCLUDING BUT NOT LIMITED TO CONDUIT, UNI-STRUT, WIRE, METER SOCKET, DISCONNECTS, AND ALL OTHER ITEMS REQUIRED FOR THE SERVICE INSTALLATION. THE SERVICE INSTALLATION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST PUBLISHED AMEREN SERVICE REQUIREMENTS. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT BID PRICE FOR "ELECTRICAL SERVICE INSTALLATION". THERE WILL BE NO ADDITIONAL COMPENSATION FOR THIS WORK.

NOT TO SCALE

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	92
		CONTRACT NO. 89805		
		ILLINOIS FED. AID PROJECT		

MENARDS ENTRANCE

EX ROW

FREEDOM PKWY

12 | 13 | 14 | 15+00 | 16 | 17

PR ℄ FREEDOM PKWY

SHARED-USE PATH

MATCHLINE 18+00

WALMART ENTRANCE

PR TEMP EASEMENT

EX ROW

N

0 20 40 60

SCALE IN FEET

EX ROW

MENARDS ENTRANCE

PR TEMP EASEMENT

31 IRV | 16 PAV | 1 BEN | 7 COS | 3 NYS | 51 SPH

MATCHLINE 18+00

FREEDOM PKWY

18 | 19 | 20+00 | 21 | 22 | 23

400+00

PR ℄ FREEDOM PKWY

MATCHLINE 24+00

SHARED-USE PATH

SHARED-USE PATH

EX ROW

PR TEMP EASEMENT

WALMART ENTRANCE

PR ℄ DITCH

EX EASEMENT

EX ROW

PR TEMP EASEMENT

3 QUB

1 GLT

+79.12

MATCHLINE 401+00

0 20 40 60

SCALE IN FEET

LEGEND:

- SHADE TREE
- ORNAMENTAL TREE
- DECIDUOUS SHRUBS
- ORNAMENTAL GRASSES
- LAWN SEEDING - CLASS 2A SALT TOLERANT ROADSIDE MIXTURE
- PERENNIAL / GROUNDCOVER AREAS
- MULCH, 3" DEPTH
- CREEPING RED FESCUE (GROUNDCOVER SEED IN BIO-SWALE)
- RIP RAP - SEE EROSION CONTROL AND DRAINAGE PLANS
- PROPERTY LINE

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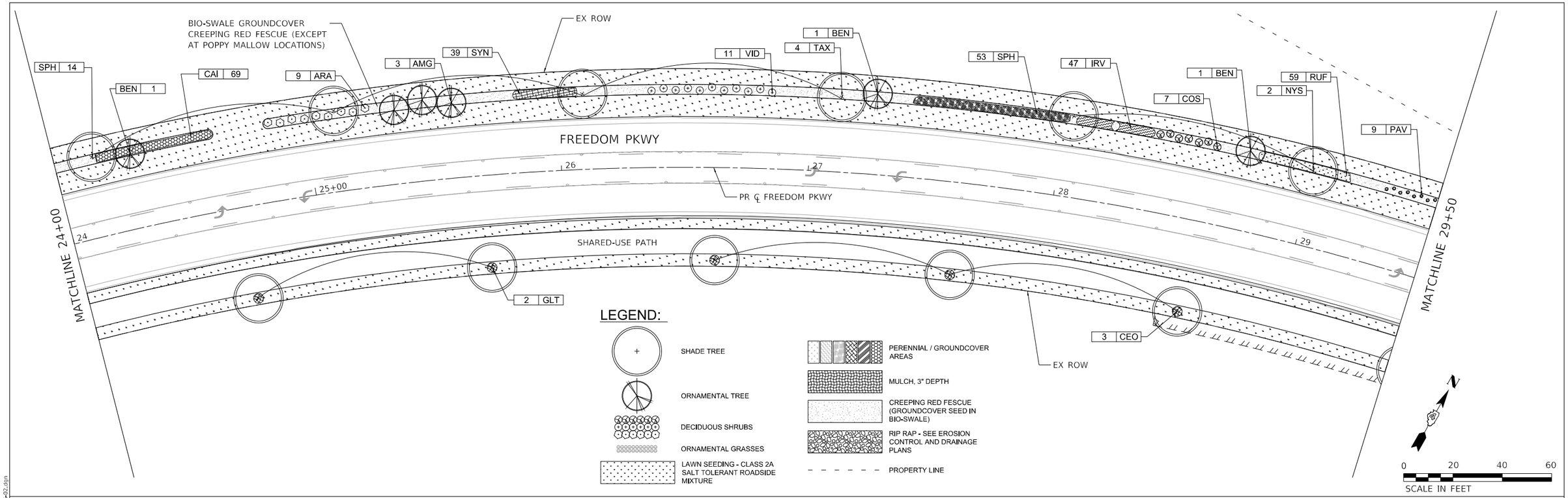
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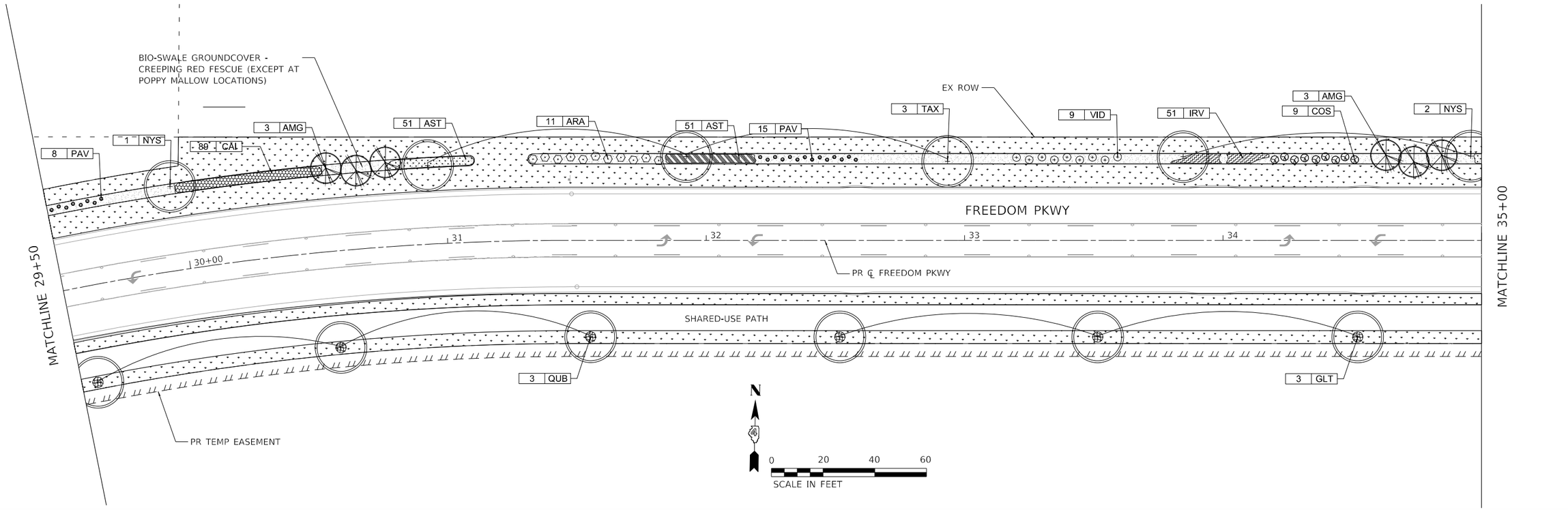
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLANS
FREEDOM PARKWAY

SCALE: 20.0000 ' / in. SHEET 1 OF 8 SHEETS STA. 12+00 TO STA. 24+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	93
		CONTRACT NO. 89805		
		ILLINOIS	FED. AID PROJECT	





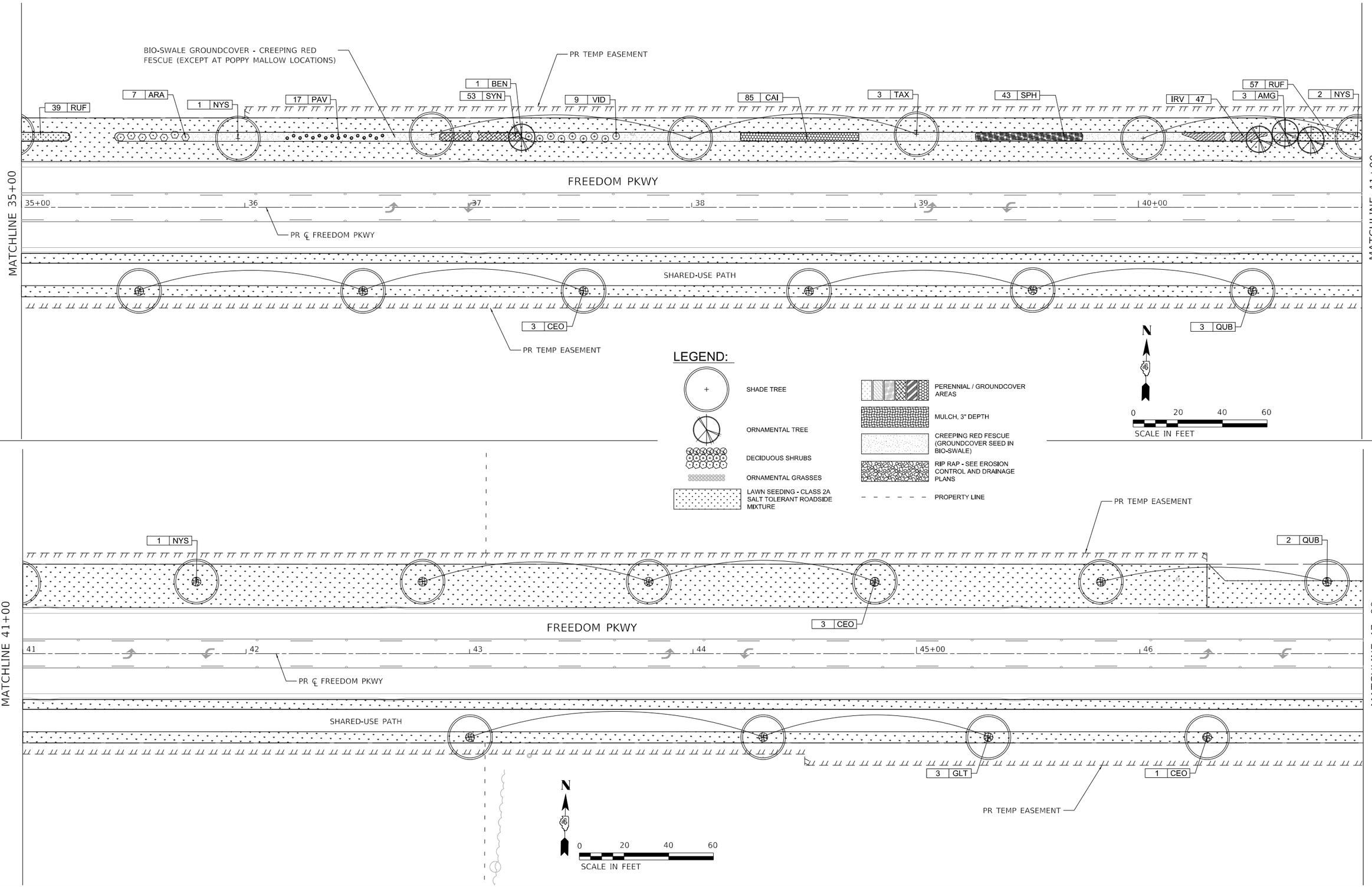
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LANDSCAPING PLANS
FREEDOM PARKWAY

SCALE: 20.0000 ' / in. SHEET 2 OF 8 SHEETS STA. 24+00 TO STA. 35+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	94
		CONTRACT NO. 89805		
		ILLINOIS	FED. AID PROJECT	



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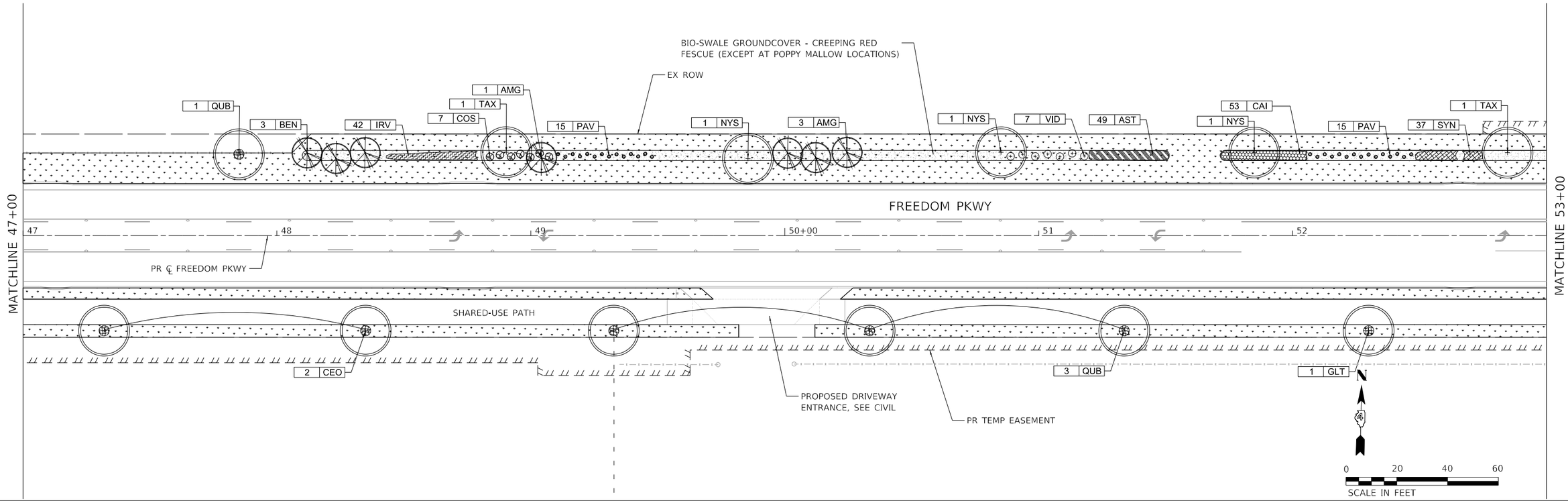
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PLOT DATE	= 3/16/2023	DATE	- 2023/03/17	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLANS
FREEDOM PARKWAY

SCALE: 20.0000 ' / in. SHEET 3 OF 8 SHEETS STA. 35+00 TO STA. 47+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	95
		CONTRACT NO. 89805		
		ILLINOIS	FED. AID PROJECT	



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TERRA ENGINEERING LTD.

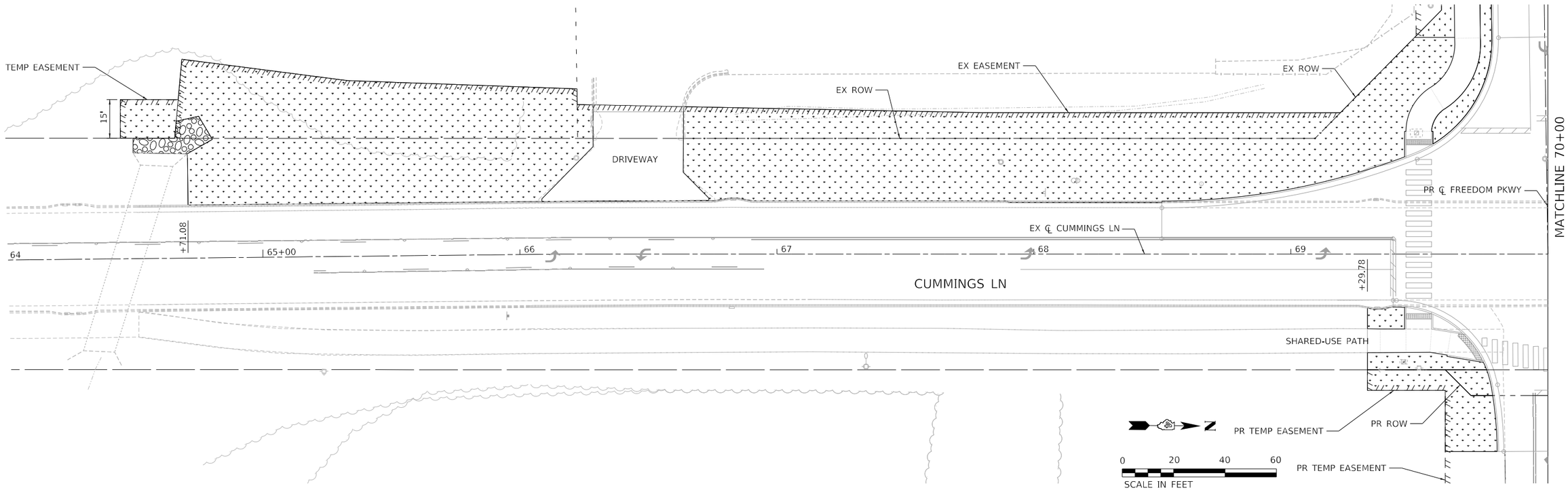
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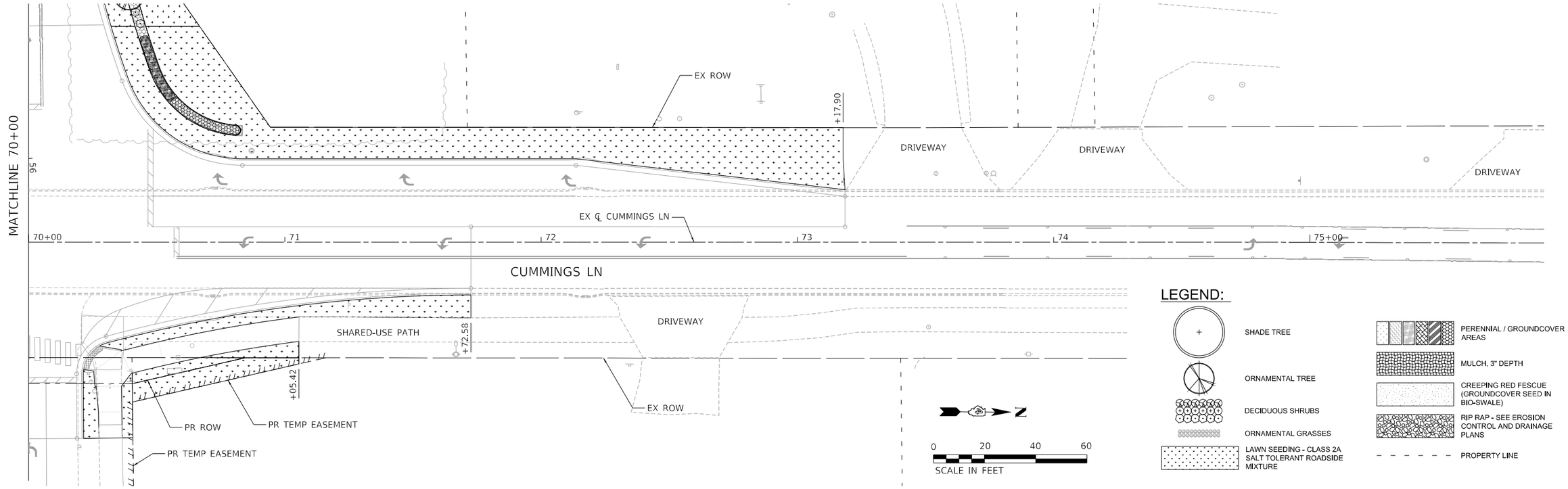
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLANS
FREEDOM PARKWAY

SCALE: 20.0000 ' / in. SHEET 4 OF 8 SHEETS STA. 47+00 TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	96
		CONTRACT NO. 89805		
		ILLINOIS	FED. AID PROJECT	





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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

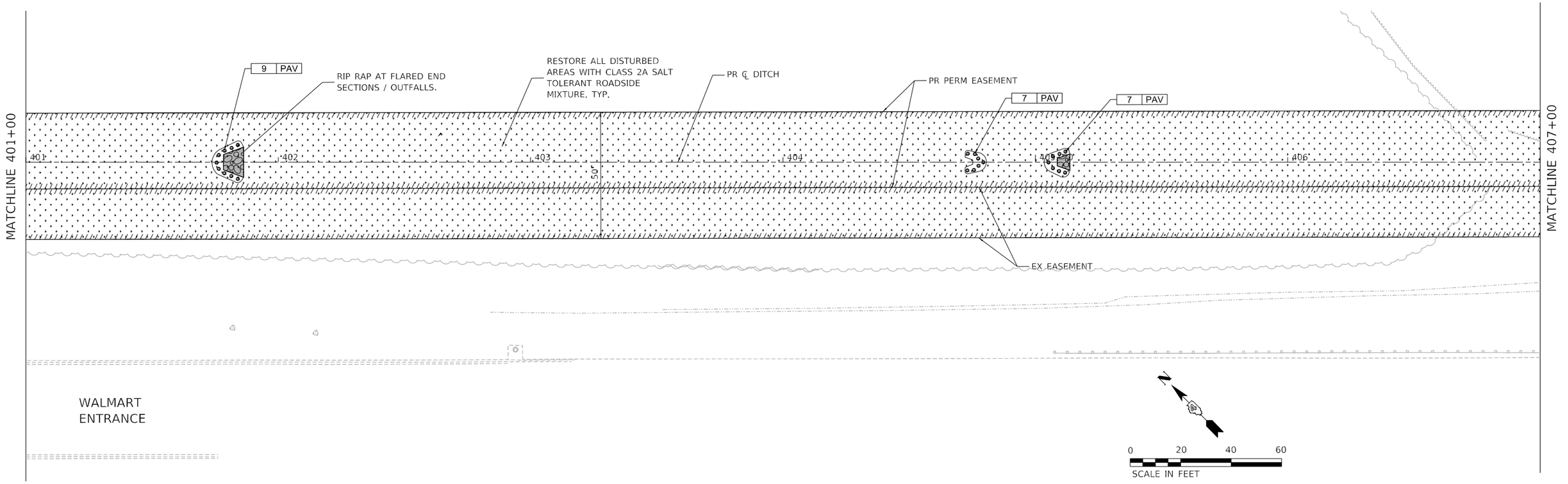
LANDSCAPING PLANS
CUMMINGS LANE

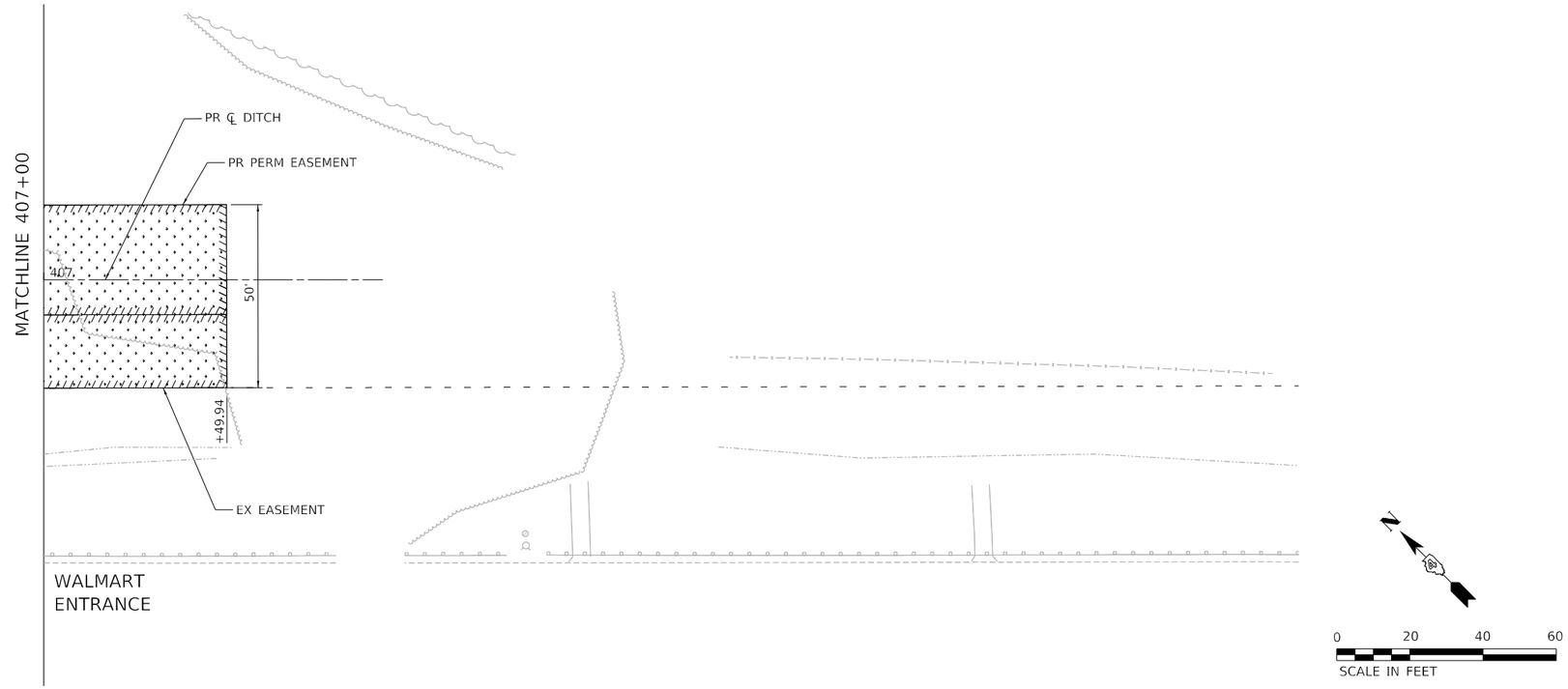
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	97

CONTRACT NO. 89805

ILLINOIS | FED. AID PROJECT





LEGEND:

- SHADE TREE
- ORNAMENTAL TREE
- DECIDUOUS SHRUBS
- ORNAMENTAL GRASSES
- LAWN SEEDING - CLASS 2A SALT TOLERANT ROADSIDE MIXTURE
- PERENNIAL / GROUNDCOVER AREAS
- MULCH, 3" DEPTH
- CREEPING RED FESCUE (GROUNDCOVER SEED IN BIO-SWALE)
- RIP RAP - SEE EROSION CONTROL AND DRAINAGE PLANS
- PROPERTY LINE

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TERRA ENGINEERING LTD.

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PLOT DATE = 3/16/2023	DATE - 2023/03/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLANS
DITCH

SCALE: 20.0000 ' / in. SHEET 6 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	98
		CONTRACT NO. 89805		
	ILLINOIS FED. AID PROJECT			

LANDSCAPING SCHEDULE									
ROADWAY	FROM	TO	20101400 NITROGEN FERTILIZER NUTRIENT	20101500 PHOSPHORUS FERTILIZER NUTRIENT	20101600 POTASSIUM FERTILIZER NUTRIENT	25000210 SEEDING, CLASS 2A	X0327808 PLANTING SOIL MIX FURNISH AND PLACE, 18"	X2500910 SEEDING, CLASS 1 (MODIFIED)	M2010110 TREE REMOVAL (6 TO 15 UNITS DIAMETER
			POUND	POUND	POUND	ACRE	SQ YD	ACRE	UNITS
FREEDOM	12+00.00	18+00.00	18.0	18.0	18.0	0.2	0.0	0.0	16.0
FREEDOM	18+00.00	24+00.00	38.3	38.3	38.3	0.4	124.3	0.0	0.0
FREEDOM	24+00.00	29+50.00	40.5	40.5	40.5	0.4	242.8	0.1	0.0
FREEDOM	29+50.00	35+00.00	40.4	40.4	40.4	0.4	235.5	0.0	0.0
FREEDOM	35+00.00	41+00.00	40.8	40.8	40.8	0.4	257.4	0.1	0.0
FREEDOM	41+00.00	47+00.00	36.0	36.0	36.0	0.4	0.0	0.0	0.0
FREEDOM	21+20.57	53+00.00	37.1	37.1	37.1	0.4	56.9	0.0	0.0
FREEDOM	53+00.00	55+50.00	11.6	11.6	11.6	0.1	138.4	0.0	0.0
CUMMINGS	68+49.80	70+00.00	45.0	45.0	45.0	0.5	0.0	0.0	0.0
CUMMINGS	70+00.00	73+18.59	18.0	18.0	18.0	0.2	0.0	0.0	0.0
DITCH	400+97.62	407+35.23	72.0	72.0	72.0	0.8	0.0	0.0	0.0
		TOTAL	**397.6**	**397.6**	**397.6**	**4.2**	**1055.3**	**0.22**	**16.0**
		USE	**398**	**398**	**398**	**4.25**	**1056**	**0.25**	**16**

Freedom Parkway Plant List

Key	Botanical name	Common name	IDOT Pay Item #	Size	Notes
SHADE TREES					
CEO	Celtis occidentalis 'Chicagoland'	Chicagoland Common Hackberry	A2002879	2" B&B	Central Leader
GLT	Gleditsia triacanthos 'Skyline'	Thornless Honeylocust	A2004820	2.5" B&B	Central Leader
NYS	Nyssa sylvatica	Black Tupelo	A2005520	2.5" B&B	Central Leader
QUB	Quercus bicolor	Swamp White Oak	A2006516	2" B&B	Central Leader
TAX	Taxodium distichum 'Shawnee Brave'	Shawnee Brave Bald Cypress	A2007720	2.5" B&B	Central Leader
ORNAMENTAL TREES					
AMG	Amelanchier grandiflora 'Autumn Brilliance'	Autumn Brilliance Serviceberry	B2000767	8' B&B	Clump form
BEN	Betula nigra 'Heritage'	Heritage River Birch	A2002470	8' B&B	Clump form
DECIDUOUS SHRUBS					
ARA	Aronia arbutifolia 'Brilliantissima'	Brilliant Red Chokeberry	C2000436	36" B&B	5' o.c.
COS	Cornus sericea 'Cardinal'	Cardinal Redosier Dogwood	C2001736	36" B&B	6' o.c.
VID	Viburnum dentatum 'Blue Muffin'	Blue Muffin Viburnum	C2011600	36" B&B	4.5' o.c.
PERENNIALS AND GRASSES					
AST	Asclepias tuberosa	Butterfly Weed	K0012990	#1 Cont.	18" o.c.
CAI	Callirhoe involucrata	Purple Poppy Mallow	K0012990	#1 Cont.	18" o.c., Groundcover
IRV	Iris versicolor	Blue Flag Iris	K0012990	#1 Cont.	18" o.c.
PAV	Panicum virgatum 'Northwind'	Northwind Switch Grass	K0013020	#1 Cont.	36" o.c.
RUF	Rudbeckia fulgida	Black-eyed Susan	K0012990	#1 Cont.	18" o.c.
SPH	Sporobolus heterolepis	Prairie Dropseed	K0013020	#1 Cont.	24" o.c.
SYN	Symphyotrichum novae-angliae	New England Aster	K0012990	#1 Cont.	18" o.c.
BIO-SWALE GROUNDCOVER SEED AND SOIL					
	Seeding, Class 1(Modified)	Creeping Red Fescue only	X2500910	Seed @ 40 lbs. per acre	Seed full bio-swale area except Purple Poppy Mallow areas.
	Planting Soil Mix - Furnish and Place, 18"	Bio-swale soil mix - 50% Sand, 30% compost, 20% topsoil	X0327808		Min. 18" depth in bio-swale areas
RESTORATION SEED					
	Seeding, Class 2A (Special)	IDOT Salt Tolerant Roadside Mixture	X2501020	Seed @ 200 lbs. per acre	Seed all disturbed areas not bio-swale planting areas.

LANDSCAPING SCHEDULE 2*				
PAY ITEM	DESCRIPTION	UNIT	CALLOUT	QUANTITY
A2002879	TREE, CELTIS OCCIDENTALIS CHICAGOLAND, (CHICAGOLAND COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED	EACH	CEO	12
A2004820	TREE, GLEDITSIA TRIACANTHOS INERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	GLT	12
A2005520	TREE, NYSSA SYLVATICA (BLACK TUPELO), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	NYS	15
A2006516	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	QUB	15
A2007720	TREE, TAXODIUM DISTICHUM SHAWNEE BRAVE (SHAWNEE BRAVE BALD CYPRESS), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	TAX	14
B2000767	TREE, AMELANCHIER X GRANDIFLORA AUTUMN BRILLIANCE (AUTUMN BRILLIANCE SERVICE BERRY), 8' HEIGHT CLUMP FORM, BALLED AND BURLAPPED	EACH	AMG	17
A2002470	TREE, BETULA NIGRA HERITAGE (HERITAGE RIVER BIRCH), 8' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	BEN	12
C2000436	SHRUB, ARONIA ARBUTIFOLIA BRILLIANT ISSIMA (BRILLANT RED CHOKEBERRY), 3' HEIGHT, BALLED AND BURLAPPED	EACH	ARA	34
C2001736	SHRUB, CORNUS SERICEA CARDINAL (CARDINAL REDOSIER DOGWOOD), 3' HEIGHT, BALLED AND BURLAPPED	EACH	COS	39
C2011600	SHRUB, VIBURNUM DENTATUM BLUE MUFFIN (BLUE MUFFIN ARROWHEAD), 3' HEIGHT, BALLED AND BURLAPPED	EACH	VID	36
K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	AST	1.51
K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	CAI	3.41
K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	IRV	2.51
K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	RUF	1.55
K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	SYN	1.29
K0013020	PERENNIAL PLANTS, PRAIRIE TYPE, GALLON POT	UNIT	PAV	1.33
K0013020	PERENNIAL PLANTS, PRAIRIE TYPE, GALLON POT	UNIT	SPH	1.84
***SEE LANDSCAPING PLANS FOR LOCATIONS**				

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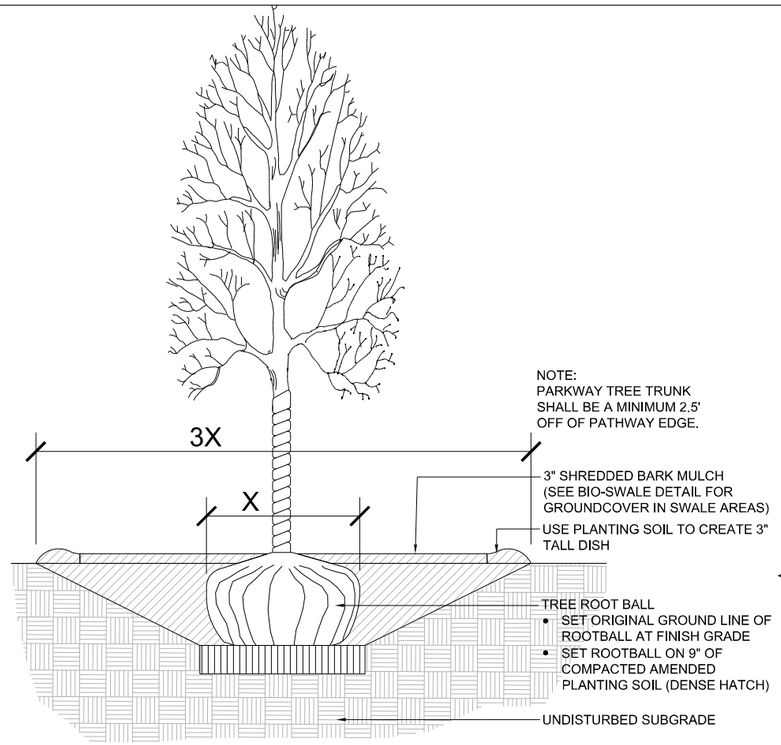
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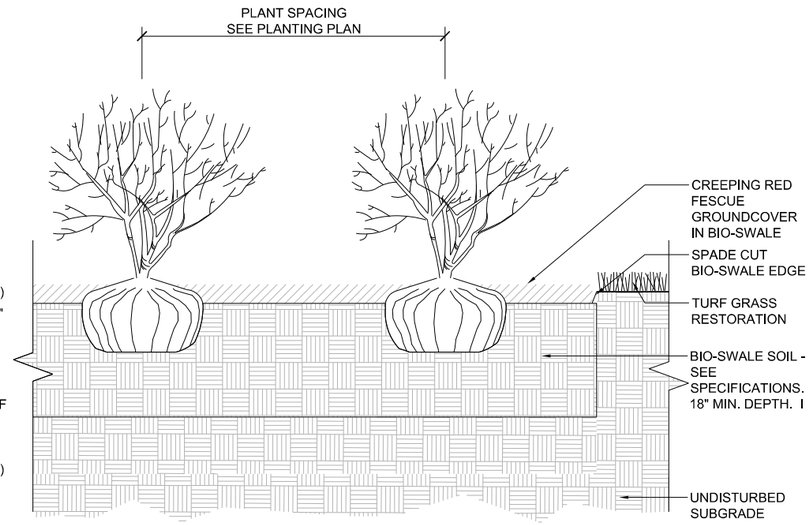
LANDSCAPING PLANS
FREEDOM PARKWAY

SCALE: 20.0000 ' / in. | SHEET 7 OF 8 SHEETS | STA. | TO STA.

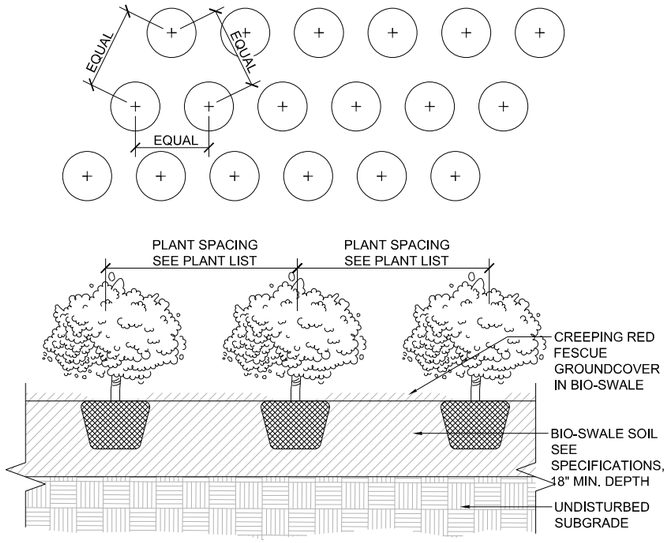
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	99
		CONTRACT NO. 89805		
	ILLINOIS	FED. AID PROJECT		



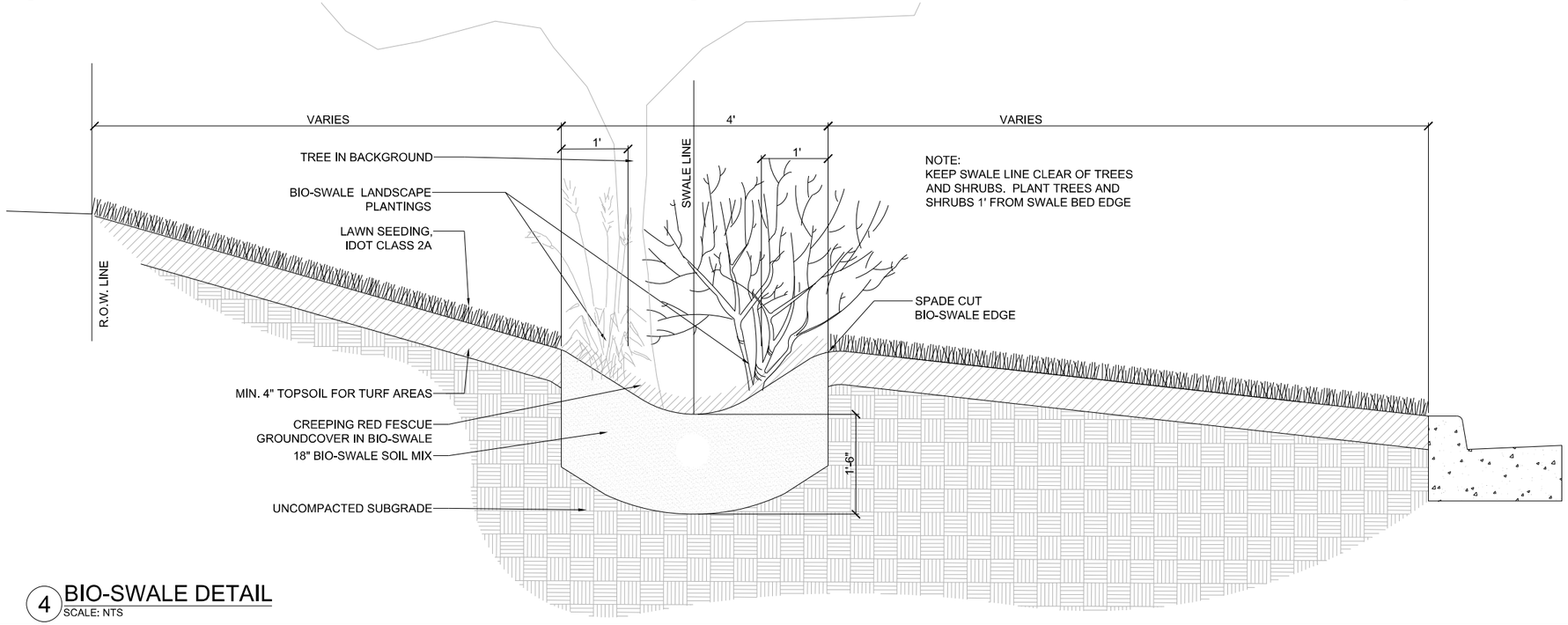
1 SHADE/ORNAMENTAL TREE PLANTING DETAIL
SCALE: NTS



2 SHRUB PLANTING DETAIL
SCALE: NTS



3 GROUNDCOVER / PERENNIAL PLANTING DETAIL
SCALE: NTS



4 BIO-SWALE DETAIL
SCALE: NTS

TERRA ENGINEERING LTD.	USER NAME = AlphonseE	DESIGNED - CM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LANDSCAPING DETAILS FREEDOM PARKWAY
	FILENAME = D420140-SHT-LANDSCAPING-DETAILS-01.dgn	DRAWN - AE	REVISED -		SCALE: 20.0000 ' / in. SHEET 8 OF 8 SHEETS STA. TO STA.
	PLOT SCALE = 20.0000 ' / in.	CHECKED - ET	REVISED -		
	PLOT DATE = 3/16/2023	DATE - 2023/03/17	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	100
		CONTRACT NO. 89805		
		ILLINOIS	FED. AID PROJECT	

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WATER MAIN GENERAL NOTES

1. WATER MAIN IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", EIGHT EDITION, 2020

2. THE LOCATION, TYPE, SIZE, AND MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ON THE PLANS ARE NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT, OR COMPLETE. NEITHER THE OWNER OR THE ENGINEER ASSUME ANY RESPONSIBILITY IN RESPECT TO THE ACCURACY OR SUFFICIENCY OF THE INFORMATION, AND THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED, THAT THE CONDITIONS INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED IN THE CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES. INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANY OF HIS OPERATIONAL PLANS AND SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANY'S DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE OF THE UTILITY COMPANY FOR REMOVAL OR ADJUSTMENT WHERE REMOVAL OR ADJUSTMENT IS REQUIRED, IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTACT OR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION. THE ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY SUCH MAINS AND SERVICES DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED TO SERVICE AT ONCE. WHENEVER POSSIBLE, RESIDENTS SHALL BE NOTIFIED IN ADVANCE IF THEIR HOUSE SERVICE IS TO BE DISCONNECTED AND NO HOUSE SHALL BE LEFT WITHOUT SERVICE OVERNIGHT.

   SOME, BUT NOT ALL OF THE UTILITIES OF THIS PROJECT CAN BE CONTACTED PRIOR TO CONSTRUCTION BY CALLING THE JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS (JULIE), PHONE 800-892-0123, CONTACT NON -MEMBER UTILITIES DIRECTLY.

3. WATER MAIN SHALL BE C900 DR 18 PVC. TRACER WIRE SHALL BE INSTALLED WITH ALL WATER MAIN AND WATER SERVICES

4. WATER MAIN SHALL HAVE A MINIMUM DEPTH OF COVER OF 4'-0" UNLESS OTHERWISE NOTED ON THE DRAWINGS.

5. CITY OF WASHINGTON PERSONNEL WILL LOCATE THE EXISTING WATER MAIN TO THE BEST OF THEIR ABILITY AND KNOWLEDGE. HOWEVER THE CONTRACTOR MAY NEED TO PERFORM SOME EXPLORATORY EXCAVATION. COST SHALL BE INCIDENTAL TO CONSTRUCTION CONTRACT.

6. IN ACCORDANCE WITH PUBLIC ACT 90-761, WHICH AMEND THE ENVIRONMENTAL PROTECTION ACT CONCERNING GENERAL CONSTRUCTION OR DEMOLITION DEBRIS, THE CONTRACTOR SHALL NOT CONDUCT ANY GENERATION, TRANSPORTATION OR RECYCLING OF CONSTRUCTION OR DEMOLITION DEBRIS, CLEAN OR GENERAL OR UNCONTAMINATED SOIL GENERATED DURING CONSTRUCTION, REMODELING, REPAIR AND DEMOLITION OF UTILITIES, STRUCTURES AND ROADS THAT IS NOT COMMINGLED WITH ANY WASTE, WITHOUT THE MAINTENANCE OF DOCUMENTATION IDENTIFYING THE HAULER, GENERATOR, PLACE OF ORIGIN OF THE DEBRIS OR SOIL, THE WEIGHT OR VOLUME OF THE DEBRIS OR SOIL, AND THE LOCATION, OWNER AND OPERATOR OF THE FACILITY WHERE THE DEBRIS OR SOIL WAS TRANSFERRED, DISPOSED, RECYCLED OR TREATED. THIS DOCUMENTATION MUST BE MAINTAINED BY THE CONTRACTOR FOR THREE (3) YEARS.

7. THE CONTRACTOR SHALL CONTACT APPLICABLE UTILITY COMPANY PRIOR TO WORKING AROUND ANY EXITING UTILITY LINE. THE CONTRACTOR SHALL PROTECT ANY EXISTING UTILITY ENCOUNTERED DURING CONSTRUCTION. ALL UTILITIES SHALL REMAIN IN SERVICE THROUGHOUT CONSTRUCTION UNLESS OTHERWISE APPROVED BY THE OWNER AND UTILITY COMPANY.

8. THE CONTRACTOR SHALL REVIEW EXISTING SITE CONDITIONS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED IN CONNECTION WITH THE LOCATION OF EXISTING OVERHEAD FACILITIES.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY EXISTING FACILITIES/ INFRASTRUCTURE (PAVEMENT, SIDEWALK, CURB, INLET, MANHOLE, ETC) REMOVED TO FACILITATE THE INSTALLATION OF THE PROPOSED WATER MAIN AND SERVICES INDICATED ON THE CONSTRUCTION PLANS.

10. THE CONTRACTOR SHALL ENSURE THAT THE FINAL GRADING PROVIDES ADEQUATE DRAINAGE AWAY FROM ANY BUILDINGS AND STRUCTURES. EXISTING DRAINAGE PATTERNS WITHIN THE PROJECT SITE SHALL BE MAINTAINED AND RESTORED AT THE COMPLETION OF THE PROJECT.

11. DETAILED DRAWINGS TAKE PRECEDENT OVER ALL GENERAL DRAWINGS AND SCHEDULES. ANY CONFLICT SHALL BE RESOLVED IN FAVOR OF THE DETAILED DRAWINGS.

12. THE LOCATION AND ELEVATION OF THE EXISTING WATER MAIN AT CONNECTION LOCATIONS SHALL BE VERIFIED BY THE CONTRACTOR. CONTRACTOR SHALL PROVIDE ALL FITTINGS AND HARDWARE REQUIRED TO COMPLETE THE INSTALLATION OF THE CONNECTION. ADDITIONAL FITTINGS OR HARDWARE BOND WHAT IS SHOWN ON THE DRAWINGS SHALL BE REQUIRED AND THE ASSOCIATED COSTS ARE INCIDENTAL TO THE CONTRACT. THE OWNER SHALL BE NOTIFIED IF THE EXISTING CONDITIONS VARY FROM THE CONSTRUCTION PLANS.

13. ANY COST ASSOCIATED WITH THE PROVISIONS OF ANY PERMIT BY ANY AGENCY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND INCIDENTAL TO THE CONTRACT.

14. ALL CONNECTION TO EXISTING WATER MAINS SHALL INCLUDE RESTRAINED JOINTS.

15. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR JOB SITE SAFETY THROUGHOUT THE CONSTRUCTION PROJECT. THIS RESPONSIBILITY SHALL NOT BE LIMITED TO WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ALL LIABILITY, REAL, OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OR WORK ON THE PROJECT.

16. A CITY OF WASHINGTON FIRE HYDRANT MAY BE USED FOR HDD OPERATIONS AS LONG AS THE FOLLOWING REQUIREMENTS ARE MET:

   A. AN APPROVED RPZ BACK FLOW PREVENTER WITH A CURRENT INSPECTION CERTIFICATE BY A CERTIFIED CCCDI AND IS PROVIDED AND INSTALLED ON THE HYDRANT. BOTH SHALL BE PROVIDED BY THE CONTRACTOR.
   B. THE FIRE HYDRANT IS FULLY OPENED DURING OPERATION AND FLOW IS THROTTLED BY AN EXTERNAL VALVE AFTER THE BACK FLOW PREVENTER.
   C. ONLY ONE HYDRANT IS USED WITHIN A PROJECT AREA.
   D. THE CITY WATER DEPARTMENT IS NOTIFIED A MINIMUM FOR 24 HOURS PRIOR TO THE USE OF A HYDRANT AND A REPRESENTATIVE FROM THE WATER DEPARTMENT IS ON -SITE DURING THE USE OF THE HYDRANT.
   E. THE AMOUNT OF WATER USED IS REPORTED TO THE WATER DEPARTMENT.
   F. ANY DAMAGE TO THE FIRE HYDRANT SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL CHARGE TO THE OWNER.

FITTING NOTES

1. ALL 12" X 6" MJ TEE'S ARE TO BE 12" X 6" ANCHOR TEE'S TO ACCOMMODATE INSTALLATION OF FIRE HYDRANT AUXILIARY VALVES.

FUTURE CUMMINGS LANE WATER MAIN COORDINATION NOTES

A FUTURE WATER MAIN IS PLANNED ALONG THE WEST SIDE OF CUMMINGS LANE WITHIN THE FREEDOM PARKWAY PROJECT LIMITS. THE FOLLOWING REQUIREMENTS ARE INTENDED TO FACILITATE THE CONSTRUCTION OF THE FUTURE WATER MAIN.

1. FITTINGS F159 (12" CAP) SHALL BE INSTALLED ON THE NORTHERN END OF THE FITTING F158 (12" X 12" MJ CROSS).

2. FITTING 164 (12" CAP) SHALL BE INSTALLED ON THE NORTHERN END OF THE FITTING F163 (12" X 8" MJ TEE).

3. CAPS SHALL BE RESTRAINED. THRUST BLOCKS SHALL BE PER STANDARD DETAIL.

LEGEND

- EXISTING WATER MAIN
- PROPOSED WATER MAIN
- EXISTING WATER MAIN TO BE ABANDONED IN PLACE
- EXISTING WATER MAIN TO BE REMOVED
- PROPOSED VALVE
- PROPOSED FITTING
- PROPOSED FIRE HYDRANT

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TERRA ENGINEERING LTD.	USER NAME = AlphonseE	DESIGNED - GH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WATER MAIN GENERAL NOTES FREEDOM PARKWAY
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	101
		CONTRACT NO. 89805		
	ILLINOIS FED. AID PROJECT			

WATERMAIN SCHEDULE OF QUANTITIES

SP	PAY ITEM NO.	PAY ITEM DESCRIPTION	UNITS	SHEET 3	SHEET 4	SHEET 5	SHEET 6	SHEET 7	SHEET 8	SHEET 9	SHEET 10	TOTAL
*	56100050	DUCTILE IRON WATER MAIN TEE, 12" X 6"	EACH	1	1	1	1	2	2	1		9
	56100055	DUCTILE IRON WATER MAIN TEE, 12" X 8"	EACH								1	1
	56100600	WATER MAIN 6"	FOOT	7	7	7	7	14	14	7		63
	56100900	WATER MAIN 12"	FOOT	303	565	555	600	600	600	330	218	3771
	56101160	DUCTILE IRON WATER MAIN REDUCER, 12" X 8"	EACH							1		1
*	56104900	WATER VALVES 6"	EACH	1	1	1	1	2	2	1		9
*	56105200	WATER VALVES 12"	EACH	1	1	1	2	2	1	1		9
	56108900	TAPPING VALVES AND SLEEVES 8"	EACH							1	3	4
*	56109100	TAPPING VALVES AND SLEEVES 12"	EACH	1								1
	56109412	DUCTILE IRON WATER MAIN FITTINGS 12" 22.50 DEGREE BEND	EACH							1		1
	56109420	DUCTILE IRON WATER MAIN FITTINGS 8" 45.00 DEGREE BEND	EACH								4	4
	56109424	DUCTILE IRON WATER MAIN FITTINGS 12" 45.00 DEGREE BEND	EACH	3	4	4	8		8	6		33
	56109432	DUCTILE IRON WATER MAIN FITTINGS 6" 90.00 DEGREE BEND	EACH	1	1	1	1	2	2	1		9
	56109434	DUCTILE IRON WATER MAIN FITTINGS 8" 90.00 DEGREE BEND	EACH								2	2
	56109438	DUCTILE IRON WATER MAIN FITTINGS 12" 90.00 DEGREE BEND	EACH	1								1
*	56400600	FIRE HYDRANTS	EACH	1	1	1	1	2	2	1		9
*	X0100013	TRENCH BACKFILL, WATERMAIN	CU YD	5	5	5	5	5	5	13	167	210
	NOTE 1	DUCTILE IRON WATER MAIN FITTINGS 12" CAP	EACH	1						1	1	3
	X5610662	WATER MAIN TO BE ABANDONED, 12"	FOOT					120	110			230
*	X5610700	WATER MAIN REMOVAL	FOOT	295	568	556	600	480	490	307	207	3503
	X5630008	CUT AND CAP EXISTING 8" WATER MAIN	EACH								4	4
*	X5630012	CUT AND CAP EXISTING 12" WATER MAIN	EACH	1								1
	XX3	DUCTILE IRON WATER MAIN FITTINGS, 12" X 12" CROSS	EACH							1		1

NOTE 1: DUCTILE IRON WATER FITTINGS 12" CAP ARE CONSIDERED INCIDENTIAL TO THE FOLLOWING FITTING TYPES:

- DUCTILE IRON WATER MAIN TEE, 12" X 8"
- CUT AND CAP EXISTING 12" WATER MAIN
- DUCTILE IRON WATER MAIN FITTINGS, 12" X 12" CROSS

FIRE HYDRANT SCHEDULE

ID	WATERMAIN			ROADWAY		
	STATION	OFFSET		STATION	OFFSET	
FH100	102+46	4.6'	RT	23+43	22.0'	LT
FH101	107+58	4.6'	RT	28+43	22.0'	LT
FH102	112+66	4.6'	RT	33+43	22.0'	LT
FH103	117+66	4.6'	RT	38+43	22.0'	LT
FH104	122+66	4.6'	RT	43+43	22.0'	LT
FH105	125+66	4.6'	RT	46+43	22.0'	LT
FH106	128+56	4.6'	RT	49+33	22.0'	LT
FH107	131+56	4.6'	RT	52+33	22.0'	LT
FH108	134+72	4.6'	RT	55+48	34.8'	LT

UTILITY CROSSING TABLE

ID	TYPE	STORM PIPE INV. ELEV.	BOTTOM OF STORM PIPE ELEV.	WATER MAIN TOP OF PIPE ELEV.
UC-A	STORM SEWER OVER WATER MAIN	802.00	801.94	800.44
UC-B	STORM SEWER OVER WATER MAIN	802.60	802.50	801.04
UC-C	STORM SEWER OVER WATER MAIN	803.00	802.94	801.44
*MINIMUM OF VERTICAL SEPERATION = 18" CLEAR				

CONTROL POINT TABLE

ID	NORTHING	EASTING
F101	1472951.7776	2493078.1088
F103	1472973.3767	2493099.5278
F104	1472975.1518	2493101.2882
F105	1473120.9199	2493247.6107
F107	1473381.7120	2493635.7677
F108	1473382.5971	2493638.1061
F109	1473391.1657	2493661.6982
F110	1473391.9876	2493664.0595
F111	1473395.4058	2493674.0859
F113	1473452.4442	2494176.3861
F115	1473453.2582	2494216.1464
F116	1473453.3094	2494218.6471
F117	1473453.8233	2494243.7532
F118	1473453.8745	2494246.2538
F119	1473459.4629	2494519.2402
F121	1473460.0278	2494546.8345
F122	1473460.0790	2494549.3339
F123	1473462.6778	2494676.2813
F126	1473466.4115	2494858.6691
F127	1473466.9253	2494883.7639
F128	1473466.9764	2494886.2633
F129	1473470.9655	2495081.1225
F130	1473471.0166	2495083.6220
F131	1473471.5303	2495108.7167
F132	1473471.5815	2495111.2162
F133	1473472.9114	2495176.1766
F135	1473479.0515	2495476.1137
F137	1473483.5527	2495695.9942
F138	1473483.6039	2495698.4937
F139	1473484.1176	2495723.5884
F140	1473484.1688	2495726.0879
F141	1473484.9886	2495766.1350
F143	1473491.1301	2496066.1350
F145	1473491.4531	2496081.9128
F146	1473491.5042	2496084.4123
F147	1473492.0180	2496109.5071
F148	1473492.0691	2496112.0065
F149	1473497.6207	2496316.9077
F150	1473497.9034	2496319.3922
F151	1473501.7479	2496344.2010
F152	1473502.2312	2496346.6585
F153	1473506.4455	2496365.0324
F154	1473514.6370	2496391.9929
F155	1473510.9679	2496380.9227
F156	1473530.3076	2496390.3292
F157	1473555.7380	2496415.7595
F158	1473555.7343	2496433.8454
F161	1473555.7380	2496437.5690

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PLOT DATE = 3/16/2023	DATE - 2023/03/17	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN SCHEDULES OF QUANTITIES
FREEDOM PARKWAY

SCALE: 20.0000 ' / in. SHEET 2 OF 11 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	102
		CONTRACT NO. 89805		
	ILLINOIS	FED. AID PROJECT		

PROPOSED VALVE TABLE				
ID	DESCRIPTION	STA.	OFF.	RT/LT
V100	12'' GATE VALVE (TAPPING)	100+01	0.0'	-
V101	12'' GATE VALVE (ISOLATION)	102+50	0.0'	-
V102	6'' GATE VALVE (FIRE HYDRANT AUX)	102+48	1.0'	RT

PROPOSED FIRE HYDRANT TABLE				
ID	DESCRIPTION	STA.	OFF.	RT/LT
FH100	FIRE HYDRANT ASSEMBLY, 4' MIN. BURY	102+46	4.6'	RT

0 20 40 60
SCALE IN FEET

N

BACK MENARDS ENTANCE

CUT AND CAP EXISTING MAIN

PR TEMP EASEMENT

EX WATER MAIN TO BE REMOVED

F100 V100

F101

F102

F103 F104

F105 V101 V102

F106 FH100

6.00'

FREEDOM PKWY

PR ℄ FREEDOM PKWY

PR ℄ DITCH

BACK WALMART ENTANCE

MATCHLINE 24+00

PROPOSED FITTING TABLE					
ID	DESCRIPTION	STA.	OFF.	RT/LT	TOP ELEV.
F100	12'' X 12'' TAPPING SLEEVE	100+00	0.0'	-	810.98
F101	12'' MJ 90° BEND (ROLLED)	100+08	0.0'	-	810.95
F102	12'' MJ 45° BEND (ROLLED)	100+14	0.0'	-	808.52
F103	12'' MJ 45° BEND (ROLLED)	100+39	0.0'	-	808.52
F104	12'' MJ 45° BEND (ROLLED)	100+41	0.0'	-	810.93
F105	12'' X 6'' MJ ANCHOR TEE	102+48	0.0'	-	814.68
F106	6' MJ 90° BEND	102+48	4.6'	RT	814.68

PR GROUND SURFACE

PR SS, 12" WM QUALITY PIPE SEE DRAINAGE PLANS

18" MIN

PROPOSED 12'' PVC C900 WATER MAIN

F104 F103 F102 F101 V100 F100

	100+00	100+50	101+00	101+50	102+00
PR GND	815.00			815.59	816.42	817.53
PR TOP PIPE		811.00	811.59	812.42	813.53

825 820 815 810 805 800

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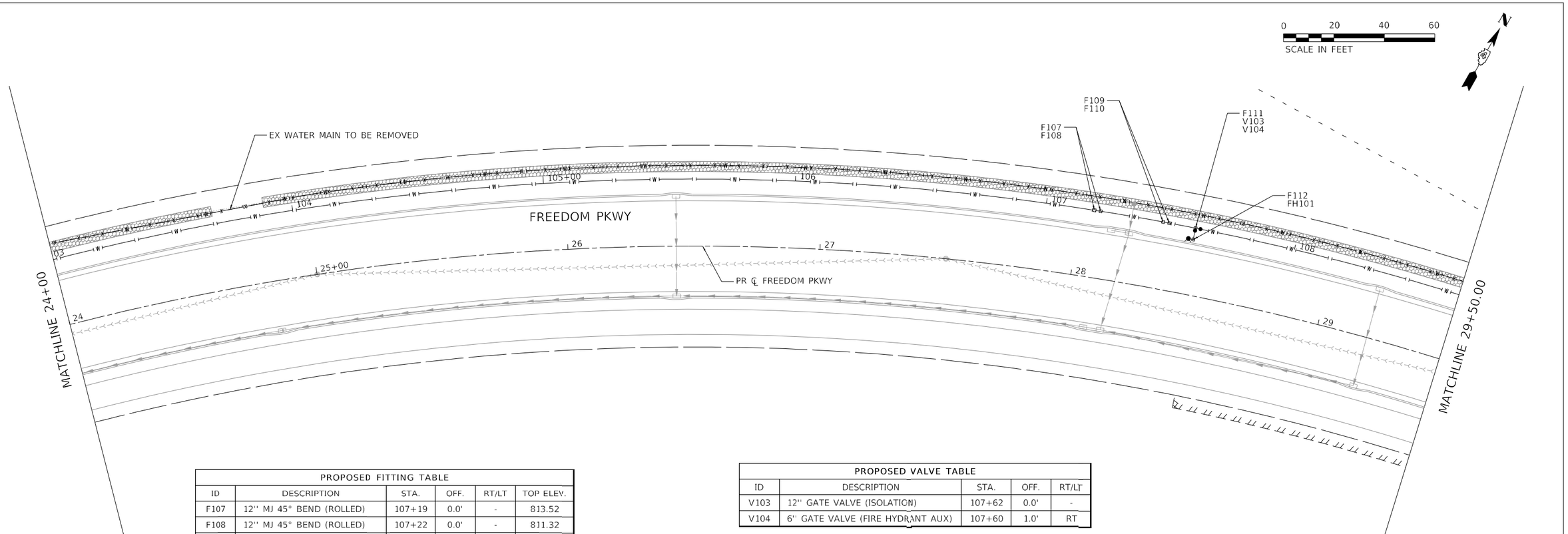
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PLOT DATE = 3/16/2023	DATE - 2023/03/17	REVISED -		

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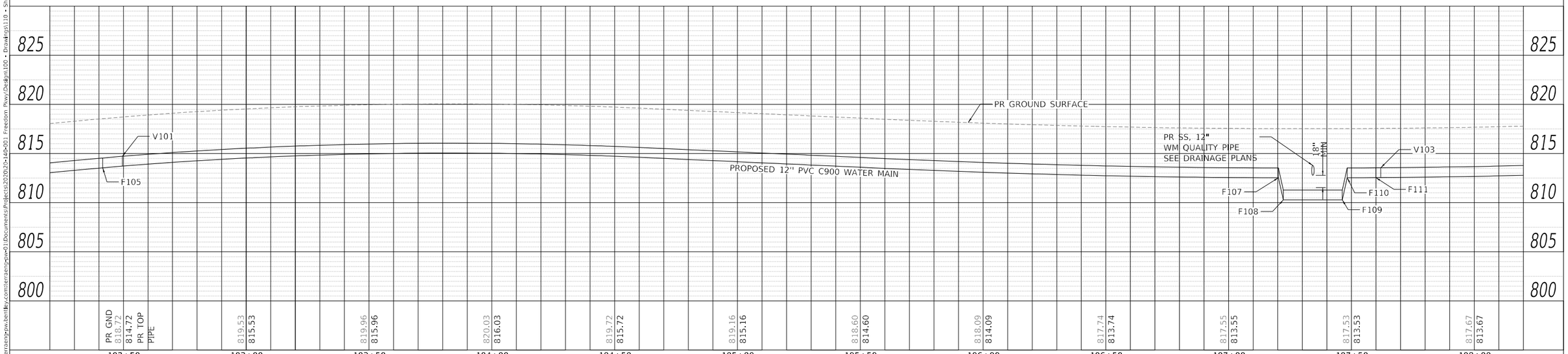
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	103
		CONTRACT NO. 89805		
	ILLINOIS	FED. AID PROJECT		



PROPOSED FITTING TABLE					
ID	DESCRIPTION	STA.	OFF.	RT/LT	TOP ELEV.
F107	12'' MJ 45° BEND (ROLLED)	107+19	0.0'	-	813.52
F108	12'' MJ 45° BEND (ROLLED)	107+22	0.0'	-	811.32
F109	12'' MJ 45° BEND (ROLLED)	107+47	0.0'	-	811.33
F110	12'' MJ 45° BEND (ROLLED)	107+49	0.0'	-	813.56
F111	12'' X 6'' MJ ANCHOR TEE	107+60	0.0'	-	813.55
F112	6'' MJ 90° BEND	107+60	4.6'	RT	813.55

PROPOSED VALVE TABLE				
ID	DESCRIPTION	STA.	OFF.	RT/LT
V103	12'' GATE VALVE (ISOLATION)	107+62	0.0'	-
V104	6'' GATE VALVE (FIRE HYDRANT AUX)	107+60	1.0'	RT

PROPOSED FIRE HYDRANT TABLE				
ID	DESCRIPTION	STA.	OFF.	RT/LT
FH101	FIRE HYDRANT ASSEMBLY, 4' MIN. BURY	107+58	4.6'	RT



PLAN — SURVEYED / PLOTTED / QUANTITIES CHECKED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK / NO. / BY / DATE

PROFILE — SURVEYED / PLOTTED / QUANTITIES CHECKED / B.M. NOTED / STRUCTURE NOTATIONS CHKD / NOTE BOOK / NO. / BY / DATE

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TERRA ENGINEERING LTD.

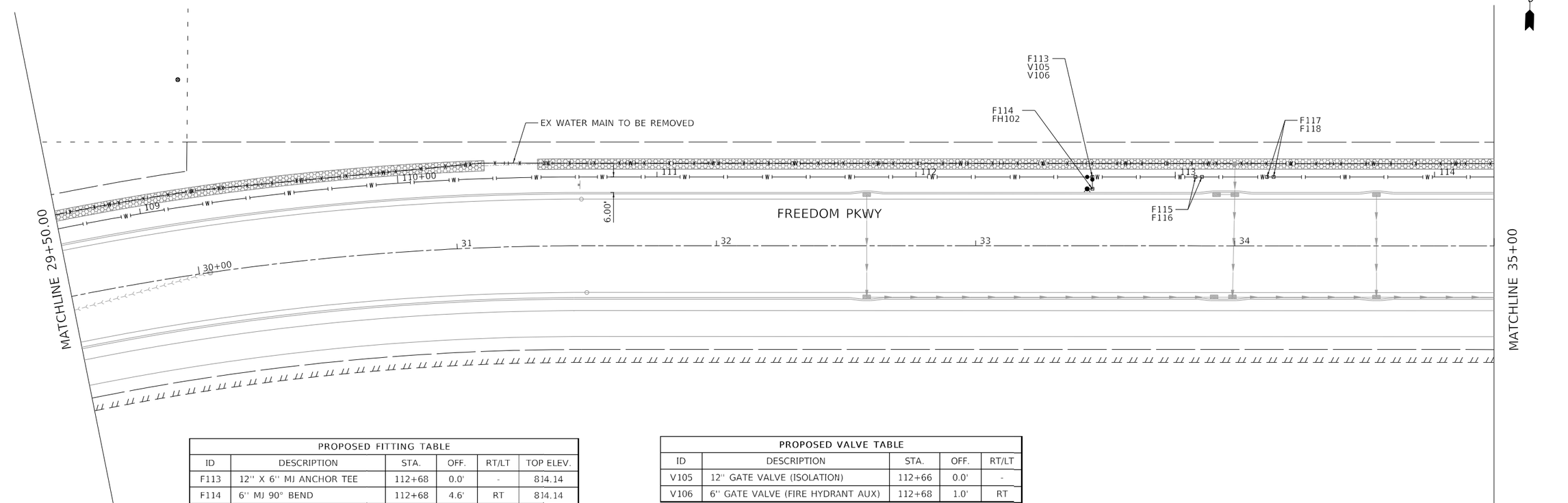
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN PLAN & PROFILE
FREEDOM PARKWAY

SCALE: 20.0000 ' / in. SHEET 4 OF 11 SHEETS STA. TO STA.

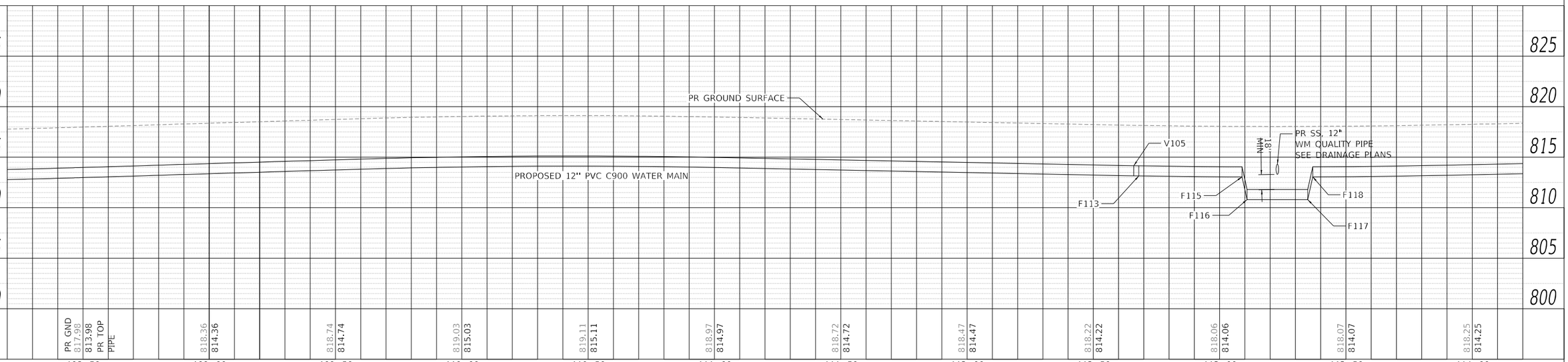
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	104
		CONTRACT NO. 89805		
	ILLINOIS FED. AID PROJECT			



PROPOSED FITTING TABLE					
ID	DESCRIPTION	STA.	OFF.	RT/LT	TOP ELEV.
F113	12'' X 6'' MJ ANCHOR TEE	112+68	0.0'	-	814.14
F114	6'' MJ 90° BEND	112+68	4.6'	RT	814.14
F115	12'' MJ 45° BEND (ROLLED)	113+08	0.0'	-	814.05
F116	12'' MJ 45° BEND (ROLLED)	113+10	0.0'	-	811.85
F117	12'' MJ 45° BEND (ROLLED)	113+35	0.0'	-	811.85
F118	12'' MJ 45° BEND (ROLLED)	113+38	0.0'	-	814.04

PROPOSED VALVE TABLE				
ID	DESCRIPTION	STA.	OFF.	RT/LT
V105	12'' GATE VALVE (ISOLATION)	112+66	0.0'	-
V106	6'' GATE VALVE (FIRE HYDRANT AUX)	112+68	1.0'	RT

PROPOSED FIRE HYDRANT TABLE				
ID	DESCRIPTION	STA.	OFF.	RT/LT
FH102	FIRE HYDRANT ASSEMBLY, 4' MIN. BURY	112+66	4.6'	RT



PLAN — SURVEYED / PLOTTED / PLANS CHECKED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK / NO. / BY / DATE

PROFILE — SURVEYED / PLOTTED / PLANS CHECKED / B.M. NOTED / STRUCTURE NO(S). / CHKD / NOTE BOOK / NO. / BY / DATE

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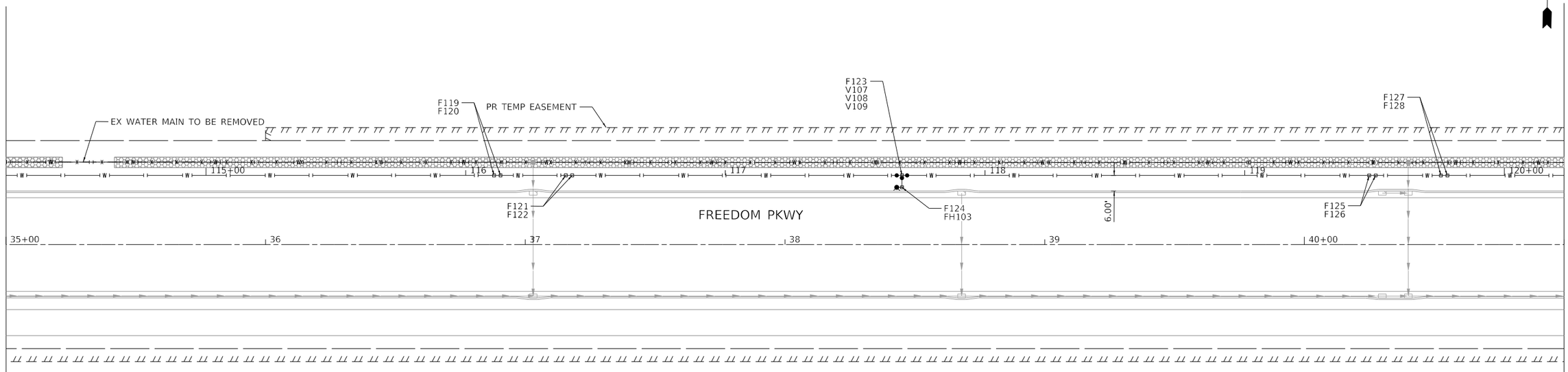
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PLOT DATE	= 3/16/2023	DATE	- 2023/03/17	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN PLAN & PROFILE
FREEDOM PARKWAY

SCALE: 20.0000 ' / in. SHEET 5 OF 11 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 89805		
		ILLINOIS	FED. AID PROJECT	



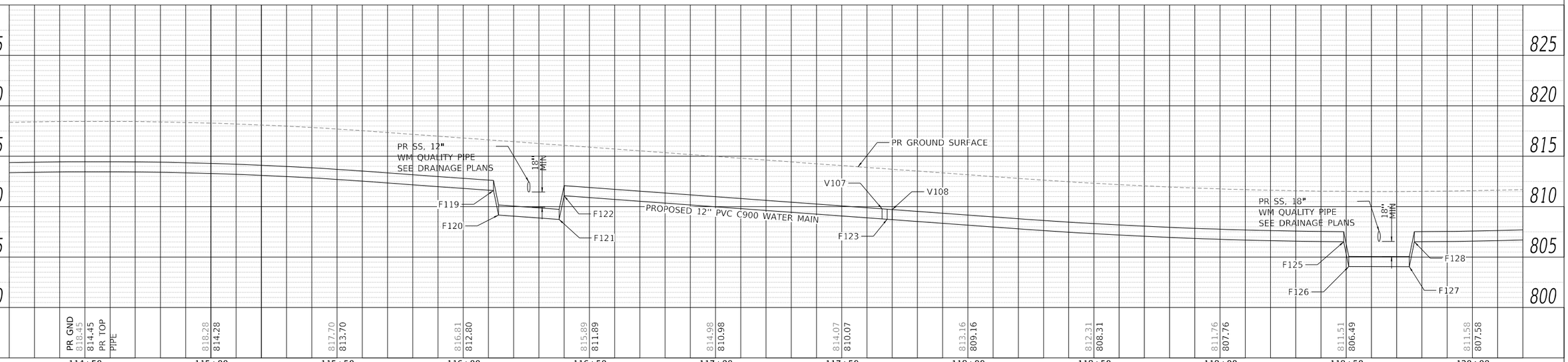
PROPOSED FITTING TABLE					
ID	DESCRIPTION	STA.	OFF.	RT/LT	TOP ELEV.
F119	12'' MJ 45° BEND (ROLLED)	116+11	0.0'	-	812.61
F120	12'' MJ 45° BEND (ROLLED)	116+14	0.0'	-	810.23
F121	12'' MJ 45° BEND (ROLLED)	116+39	0.0'	-	809.77
F122	12'' MJ 45° BEND (ROLLED)	116+41	0.0'	-	812.06
F123	12'' X 6'' MJ ANCHOR TEE	117+68	0.0'	-	809.74
F124	6'' MJ 90° BEND	117+68	4.6'	RT	809.74
F125	12'' MJ 45° BEND (ROLLED)	119+48	0.0'	-	807.51
F126	12'' MJ 45° BEND (ROLLED)	119+50	0.0'	-	805.13
F127	12'' MJ 45° BEND (ROLLED)	119+76	0.0'	-	805.13
F128	12'' MJ 45° BEND (ROLLED)	119+78	0.0'	-	807.51

PROPOSED VALVE TABLE				
ID	DESCRIPTION	STA.	OFF.	RT/LT
V107	12'' GATE VALVE (ISOLATION)	117+66	0.0'	-
V108	12'' GATE VALVE (ISOLATION)	117+70	0.0'	-
V109	6'' GATE VALVE (FIRE HYDRANT AUX)	117+68	1.0'	RT

PROPOSED FIRE HYDRANT TABLE				
ID	DESCRIPTION	STA.	OFF.	RT/LT
FH103	FIRE HYDRANT ASSEMBLY, 4' MIN. BURY	117+66	4.6'	RT

PLAN
BY: DATE
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.

PROFILE
BY: DATE
SURVEYED
PLOTTED
CROSS SECTIONS CHECKED
B.M. NOTED
STRUCTURE NOTATIONS CHKD
NOTE BOOK
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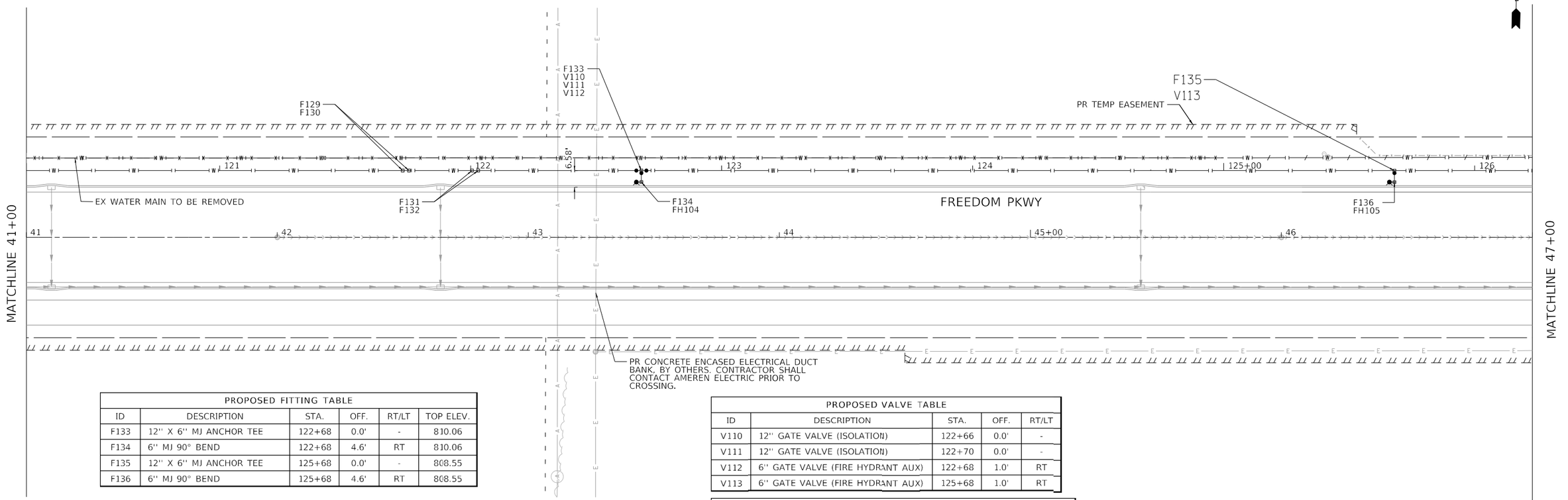
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN PLAN & PROFILE
FREEDOM PARKWAY

SCALE: 20.0000 ' / in. SHEET 6 OF 11 SHEETS STA. TO STA.

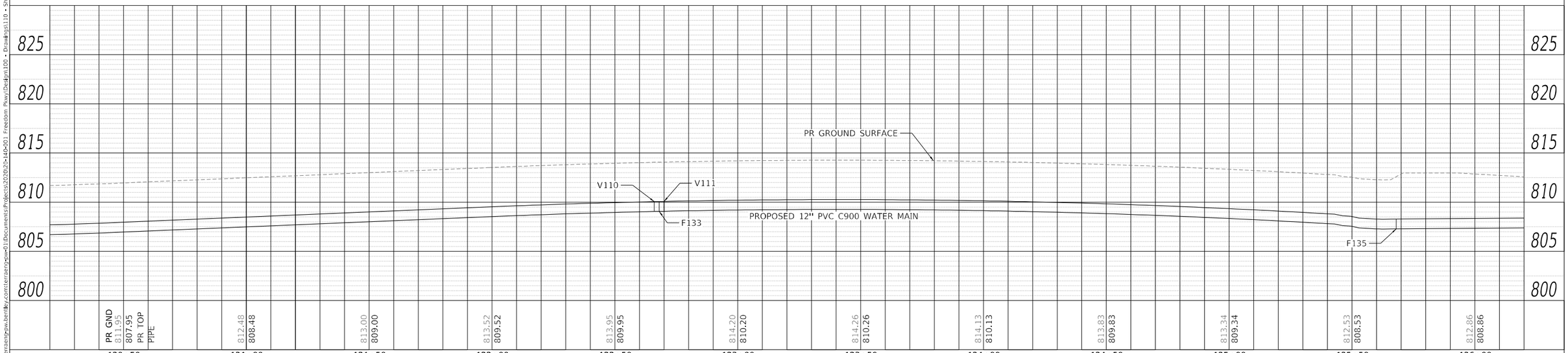
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6745	20-00128-02-PV	Tazewell	147	106
		CONTRACT NO. 89805		
		ILLINOIS	FED. AID PROJECT	



PROPOSED FITTING TABLE					
ID	DESCRIPTION	STA.	OFF.	RT/LT	TOP ELEV.
F133	12'' X 6'' MJ ANCHOR TEE	122+68	0.0'	-	810.06
F134	6'' MJ 90° BEND	122+68	4.6'	RT	810.06
F135	12'' X 6'' MJ ANCHOR TEE	125+68	0.0'	-	808.55
F136	6'' MJ 90° BEND	125+68	4.6'	RT	808.55

PROPOSED VALVE TABLE				
ID	DESCRIPTION	STA.	OFF.	RT/LT
V110	12'' GATE VALVE (ISOLATION)	122+66	0.0'	-
V111	12'' GATE VALVE (ISOLATION)	122+70	0.0'	-
V112	6'' GATE VALVE (FIRE HYDRANT AUX)	122+68	1.0'	RT
V113	6'' GATE VALVE (FIRE HYDRANT AUX)	125+68	1.0'	RT

PROPOSED FIRE HYDRANT TABLE				
ID	DESCRIPTION	STA.	OFF.	RT/LT
FH104	FIRE HYDRANT ASSEMBLY, 4' MIN. BURY	122+66	4.6'	RT
FH105	FIRE HYDRANT ASSEMBLY, 4' MIN. BURY	125+66	4.6'	RT



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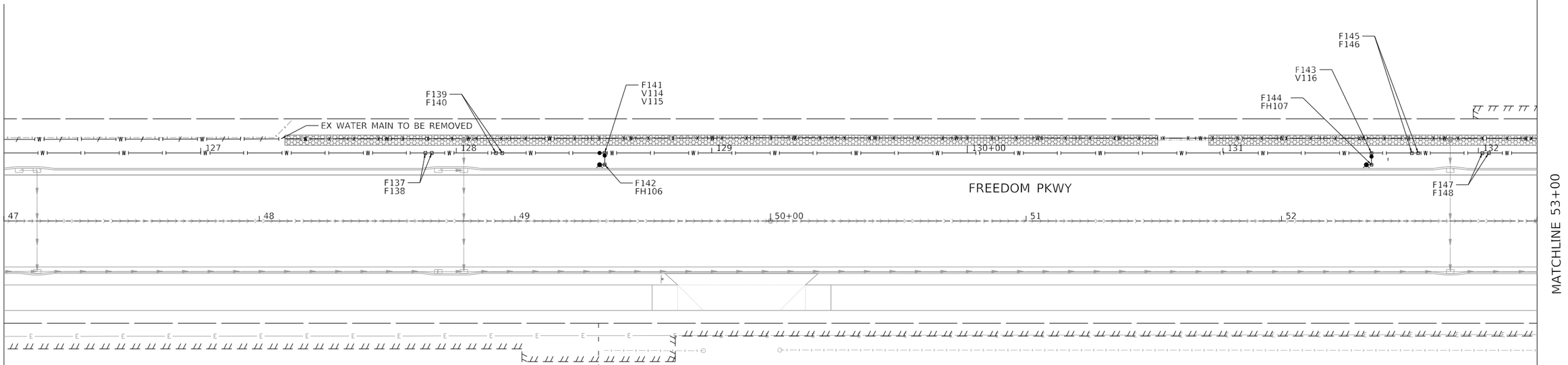
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PLOT DATE	= 3/16/2023	DATE	- 2023/03/17	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN PLAN & PROFILE
FREEDOM PARKWAY

SCALE: 20.0000 ' / in. SHEET 7 OF 11 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	107
		CONTRACT NO. 89805		
		ILLINOIS	FED. AID PROJECT	



PROPOSED FITTING TABLE					
ID	DESCRIPTION	STA.	OFF.	RT/LT	TOP ELEV.
F137	12'' MJ 45° BEND (ROLLED)	127+88	0.0'	-	805.59
F138	12'' MJ 45° BEND (ROLLED)	127+90	0.0'	-	803.34
F139	12'' MJ 45° BEND (ROLLED)	128+16	0.0'	-	803.33
F140	12'' MJ 45° BEND (ROLLED)	128+18	0.0'	-	805.19
F141	12'' X 6'' MJ ANCHOR TEE	128+58	0.0'	-	806.00
F142	6'' MJ 90° BEND	128+58	4.6'	RT	806.00
F143	12'' X 6'' MJ ANCHOR TEE	131+58	0.0'	-	804.80
F144	6'' MJ 90° BEND	131+58	4.6'	RT	804.80
F145	12'' MJ 45° BEND (ROLLED)	131+74	0.0'	-	804.47
F146	12'' MJ 45° BEND (ROLLED)	131+76	0.0'	-	802.08
F147	12'' MJ 45° BEND (ROLLED)	132+02	0.0'	-	801.56
F148	12'' MJ 45° BEND (ROLLED)	132+04	0.0'	-	803.85

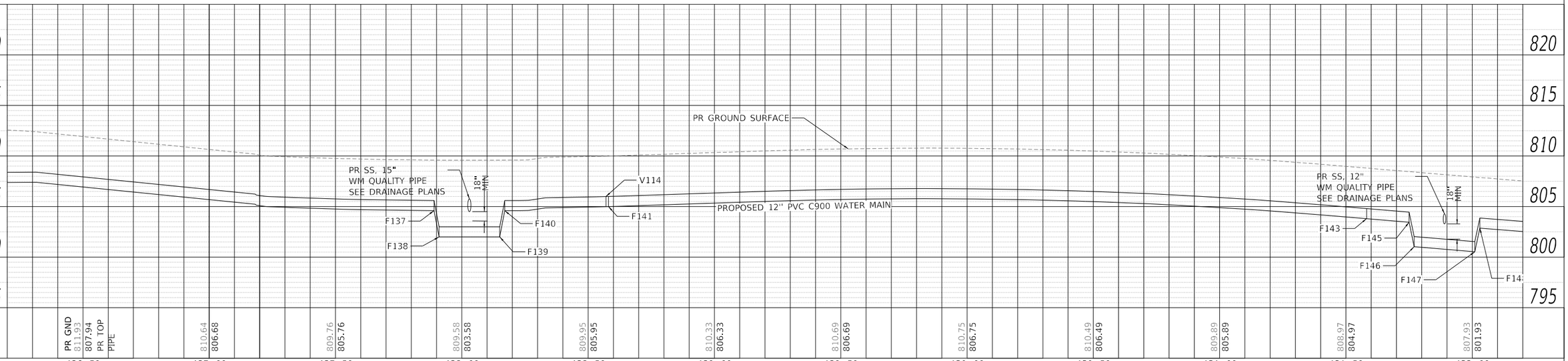
PROPOSED VALVE TABLE				
ID	DESCRIPTION	STA.	OFF.	RT/LT
V114	12'' GATE VALVE (ISOLATION)	128+58	0.0'	-
V115	6'' GATE VALVE (FIRE HYDRANT AUX)	128+58	1.0'	RT
V116	6'' GATE VALVE (FIRE HYDRANT AUX)	131+58	1.0'	RT

PROPOSED FIRE HYDRANT TABLE				
ID	DESCRIPTION	STA.	OFF.	RT/LT
FH106	FIRE HYDRANT ASSEMBLY, 4' MIN. BURY	128+56	4.6'	RT
FH107	FIRE HYDRANT ASSEMBLY, 4' MIN. BURY	131+56	4.6'	RT

N

0 20 40 60

SCALE IN FEET



PLAN: SURVEYED — PLOTTED — ALIGNMENT CHECKED — RT. OF WAY CHECKED — CADD FILE NAME — NOTE BOOK — NO. — BY — DATE

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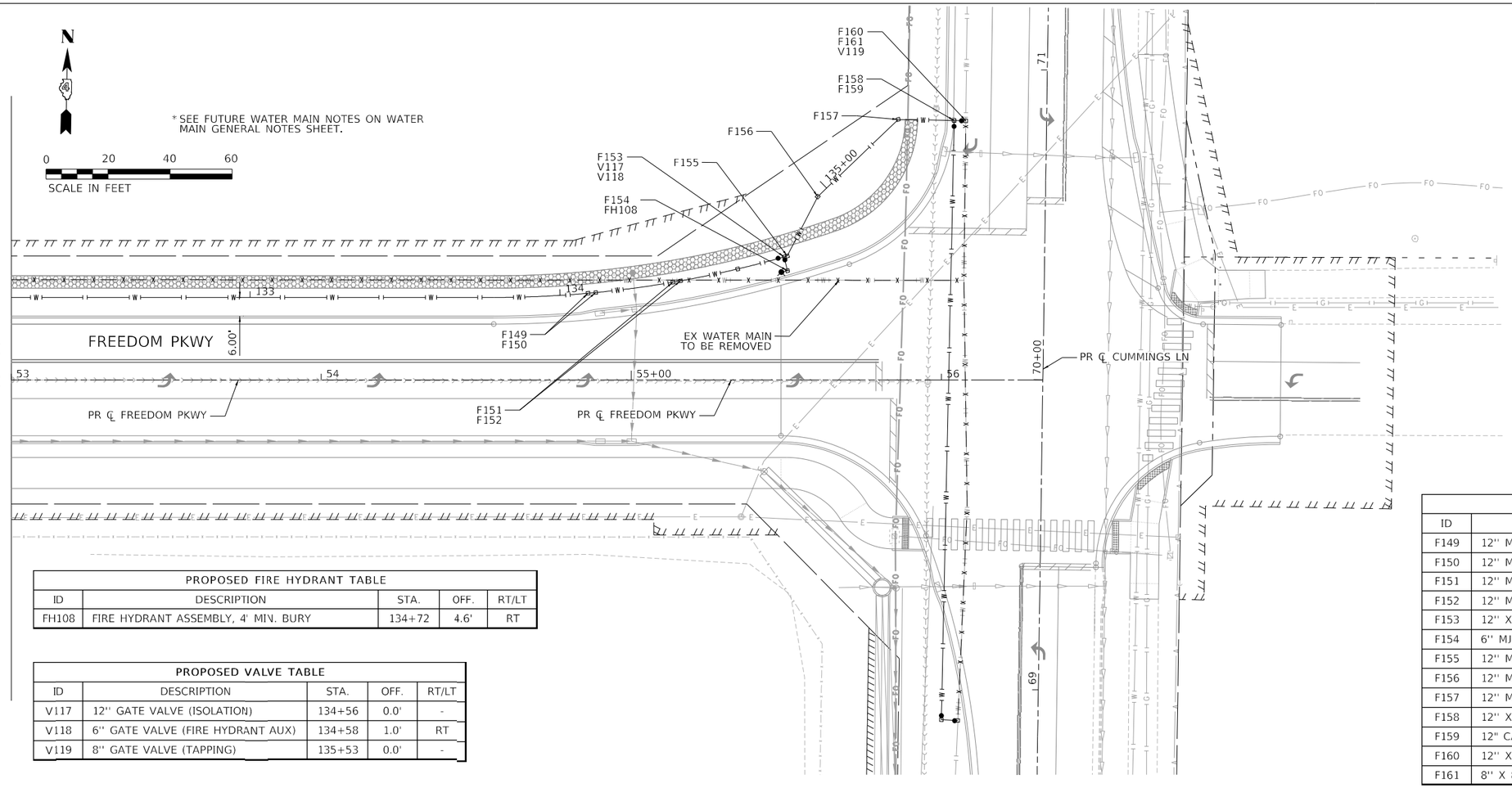
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN PLAN & PROFILE
FREEDOM PARKWAY

SCALE: 20.0000 ' / in. SHEET 8 OF 11 SHEETS STA. TO STA.

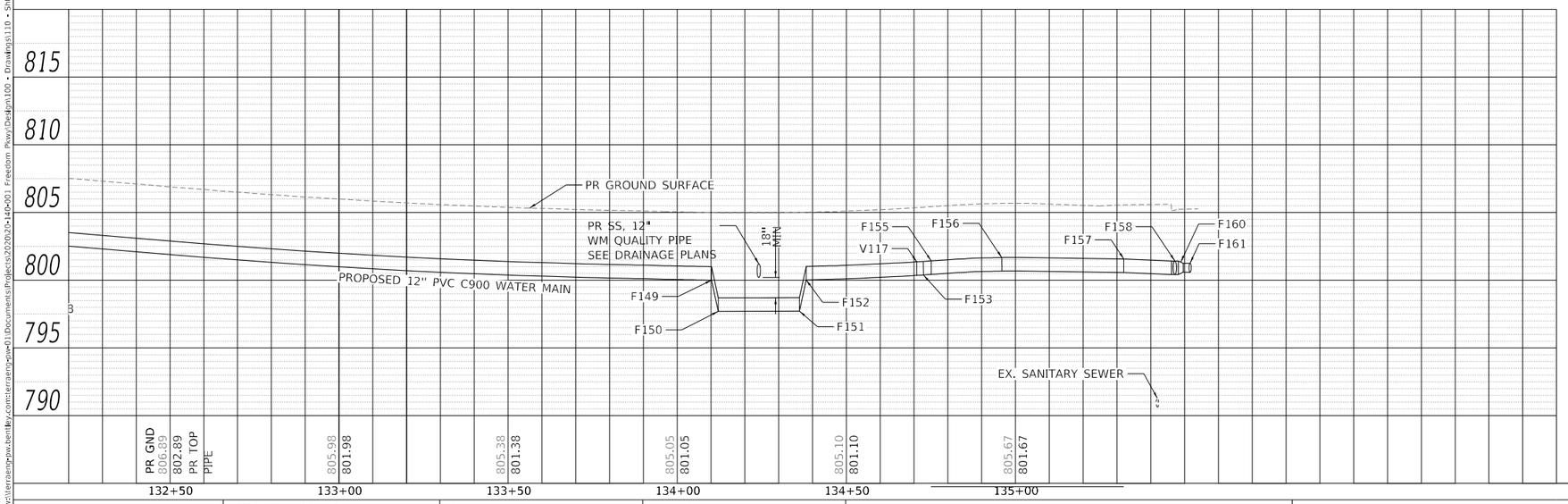
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6745	20-00128-02-PV	Tazewell	147	108
		CONTRACT NO. 89805		
	ILLINOIS	FED. AID PROJECT		



PROPOSED FIRE HYDRANT TABLE				
ID	DESCRIPTION	STA.	OFF.	RT/LT
FH108	FIRE HYDRANT ASSEMBLY, 4' MIN. BURY	134+72	4.6'	RT

PROPOSED VALVE TABLE				
ID	DESCRIPTION	STA.	OFF.	RT/LT
V117	12'' GATE VALVE (ISOLATION)	134+56	0.0'	-
V118	6'' GATE VALVE (FIRE HYDRANT AUX)	134+58	1.0'	RT
V119	8'' GATE VALVE (TAPPING)	135+53	0.0'	-

PROPOSED FITTING TABLE					
ID	DESCRIPTION	STA.	OFF.	RT/LT	TOP ELEV.
F149	12'' MJ 45° BEND (ROLLED)	134+09	0.0'	-	801.00
F150	12'' MJ 45° BEND (ROLLED)	134+12	0.0'	-	799.25
F151	12'' MJ 45° BEND (ROLLED)	134+37	0.0'	-	799.27
F152	12'' MJ 45° BEND (ROLLED)	134+39	0.0'	-	801.02
F153	12'' X 6'' MJ ANCHOR TEE	134+74	0.0'	-	801.41
F154	6'' MJ 90° BEND	134+74	4.6'	RT	801.41
F155	12'' MJ 45° BEND	134+75	0.0'	-	801.42
F156	12'' MJ 22.5° BEND	134+96	0.0'	-	801.67
F157	12'' MJ 45° BEND	135+32	0.0'	-	801.56
F158	12'' X 12'' MJ CROSS	135+50	0.0'	-	801.42
F159	12'' CAP	135+50	1.0'	LT	801.42
F160	12'' X 8'' MJ REDUCER	135+51	0.0'	-	801.34
F161	8'' X 8'' TAPPING SLEEVE	135+54	0.0'	-	801.25



PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK / NO. / BY / DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTATIONS CHKD / NOTE BOOK / NO. / BY / DATE

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PLOT DATE = 3/16/2023	DATE - 2023/03/17	REVISED -		

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	109
		CONTRACT NO. 89805		
	ILLINOIS	FED. AID PROJECT		

0 20 40 60
SCALE IN FEET

MATCHLINE 68+00

MATCHLINE 74+00

PROPOSED VALVE TABLE				
ID	DESCRIPTION	STA.	OFF.	RT/LT
V120	8'' GATE VALVE (TAPPING)	68+90	26.8'	LT
V121	12'' GATE VALVE (ISOLATION)	70+83	25.4'	LT
V122	12'' GATE VALVE (ISOLATION)	70+81	29.8'	LT
V123	8'' GATE VALVE (TAPPING)	72+11	25.4'	LT
V124	8'' GATE VALVE (TAPPING)	72+24	27.3'	LT

PROPOSED FITTING TABLE					
ID	DESCRIPTION	STA.	OFF.	RT/LT	TOP ELEV.
F162	8'' X 8'' TAPPING SLEEVE	68+90	25.8'	LT	800.74
F163	12'' X 8'' MJ TEE	68+90	32.2'	LT	800.74
F164	12'' MJ CAP	68+89	32.2'	LT	800.74
F165	8'' X 8'' TAPPING SLEEVE	72+11	26.4'	LT	801.90
F166	8'' MJ 90° BEND	72+11	23.4'	LT	801.90
F167	8'' MJ 45° BEND (ROLLED)	72+13	23.4'	LT	801.90
F168	8'' MJ 45° BEND (ROLLED)	72+15	23.4'	LT	801.40
F169	8'' MJ 45° BEND (ROLLED)	72+20	23.5'	LT	801.40
F170	8'' MJ 45° BEND (ROLLED)	72+22	23.5'	LT	801.90
F171	8'' MJ 90° BEND	72+24	23.5'	LT	801.90
F172	8'' X 8'' TAPPING SLEEVE	72+24	26.5'	LT	801.90

L 135+00

F160
F161
V119
V122

F163
F164
V121

F162
V120

UTILITY CROSSING UC-A

EX WATER MAIN TO BE REMOVED

UTILITY CROSSING UC-B

CUMMINGS LN

UTILITY CROSSING UC-C
F165
V123

F172
V124

F166
F167
F168

F171
F170
F169

68 69 70+00 71 72 73

PR ℄ CUMMINGS LN

VALVE BOX TO BE ADJUSTED
EX ELEV 806.01
PR ELEV 805.26

PLAN
SURVEYED
PLOTTED
ASSIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
ASSIGNMENT CHECKED
B.M. NOTED
STRUCTURE NOTATIONS CHKD
NOTE BOOK
NO.
BY
DATE

PR CUMMINGS CL

F162
V120
F163
F164

V121

18" MIN

PR SS, 12" WM QUALITY PIPE SEE DRAINAGE PLANS

EX WATER MAIN, 12" TO BE REMOVED

PROPOSED 12" PVC C900 WATER MAIN

V122

F160
F161

PR SS, 12" WM QUALITY PIPE SEE DRAINAGE PLANS

F165
V123
F166

F167

F168

F172
V124
F171

F170

F169

PR SS, 12" WM QUALITY PIPE SEE DRAINAGE PLANS

EX SANITARY SEWER

810	805	800	795	790	785

803.76 804.44 804.44 804.99 804.99 805.46 805.44 805.78 805.79 805.95 805.94 806.10 806.10 806.22 806.22 806.36 806.52 806.68 806.70 806.46

68+00 68+50 69+00 69+50 70+00 70+50 71+00 71+50 72+00 72+50 73+00 73+50 74+00

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TERRA ENGINEERING LTD.

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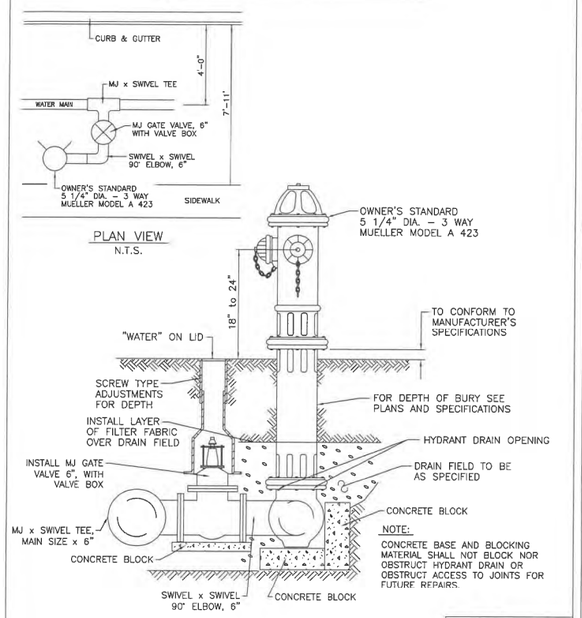
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN PLAN & PROFILE
CUMMINGS LANE

SCALE: 20.0000 ' / in. SHEET 10 OF 11 SHEETS STA. 68+00 TO STA. 74+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	110
		CONTRACT NO. 89805		
	ILLINOIS	FED. AID PROJECT		

TYPICAL HYDRANT INSTALLATION



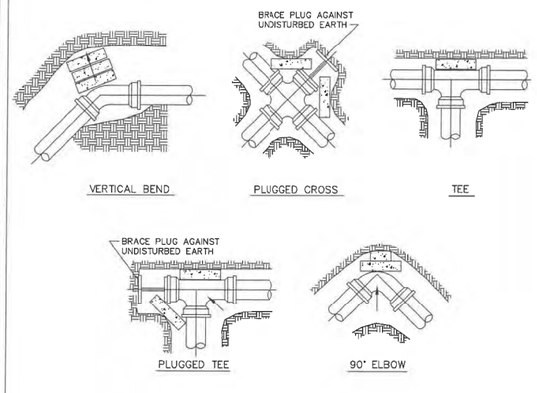
GENERAL NOTES:

1. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" CURRENT EDITION AND SUPPLEMENTAL SPECIFICATIONS, UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER.

City of Washington Est. 1825

DATE:	STANDARD NO.
DEC. 2020	025

TYPICAL THRUST BLOCK INSTALLATIONS



NOTES:

CONTRACTOR SHALL INSTALL SOLID CONCRETE BLOCKS AGAINST UNDISTURBED EARTH FOR THRUST BLOCKS.

ARROWS INDICATE DIRECTION OF THRUST.

ALL BLOCKS TO BE 3000 P.S.I. CONCRETE.

ALL FITTINGS SHOWN IN PLAN EXCEPT VERTICAL BEND.

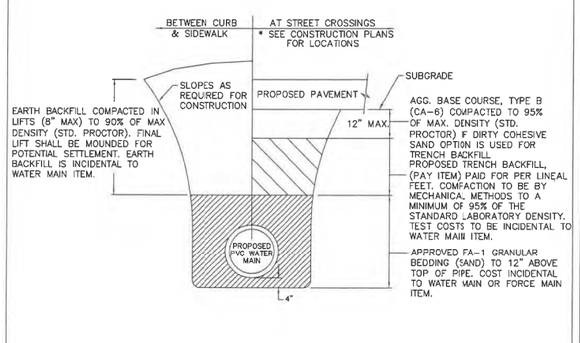
GENERAL NOTES:

1. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" CURRENT EDITION AND SUPPLEMENTAL SPECIFICATIONS, UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER.

City of Washington Est. 1825

DATE:	STANDARD NO.
DEC. 2020	026

WATER MAIN TRENCH DETAILS



CA-6 OR DIRTY COHESIVE SAND IS THE WASHINGTON APPROVED GRANULAR BACKFILL MATERIAL TO BE USED.

GENERAL NOTES:

1. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" CURRENT EDITION AND SUPPLEMENTAL SPECIFICATIONS, UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER.

City of Washington Est. 1825

DATE:	STANDARD NO.
DEC. 2020	027

JOINT RESTRAINT

THE CITY OF WASHINGTON REQUIRES THAT ALL MECHANICAL FITTINGS (VALVES, HYDRANTS, TEES, BENDS, ETC.) MUST BE INSTALLED USING APPROVED RETAINER FITTINGS.

IN ADDITION, THE CITY OF WASHINGTON REQUIRES THAT AN ADDITIONAL LENGTH OF PIPE MUST BE RESTRAINED ON EACH SIDE OF BENDS OR VERTICAL OFFSETS, BRANCH OUTLETS OF TEES, BEFORE REDUCERS, AND BEFORE DEAD-ENDS (VALVES OR HYDRANTS). IN ADDITION TO RETAINING THE FITTINGS THEMSELVES, ANY PIPE THAT CONTAINS JOINTS (BELL AND SPIGOT, BOLTED COUPLINGS) THAT FALL WITHIN THESE LENGTHS MUST BE RESTRAINED.

THESE RESTRAINED LENGTHS OF PIPE VARY ACCORDING TO THE PARAMETERS OF THE JOB PIPE SIZE AND TYPE, TEST PRESSURES, DEPTH OF BURY, SOIL CONDITIONS, AND TRENCH PREPARATION. FOLLOWING IS A THRUST RESTRAINT CHART THAT SHOWS THESE RECOMMENDED RESTRAINT LENGTHS BASED UPON PARAMETERS THAT ARE MOST COMMON IN THE CITY OF WASHINGTON:

THRUST RESTRAINT CHART

RECOMMENDED RESTRAINED LENGTHS

NOMINAL PIPE SIZE (IN.)	90° ELBOW	45° ELBOW	22.5° ELBOW	11.25° ELBOW	SIZE x SIZE TEE	VALVE HYDRANT OR DEAD-END
4 in.	9 ft.	4 ft.	2 ft.	1 ft.	7 ft.	13 ft.
6 in.	13 ft.	6 ft.	3 ft.	2 ft.	12 ft.	18 ft.
8 in.	16 ft.	7 ft.	4 ft.	2 ft.	18 ft.	24 ft.
10 in.	20 ft.	9 ft.	4 ft.	2 ft.	23 ft.	28 ft.
12 in.	23 ft.	10 ft.	5 ft.	3 ft.	28 ft.	34 ft.

RECOMMENDED RESTRAINED LENGTH FOR TEES ARE FOR THE BRANCH OUTLET AND ASSUME A MINIMUM ATTACHED LENGTH OF PIPE OF 10 FT. ON EACH SIDE OF THE RUN.

THRUST RESTRAINT CHART BASED UPON PARAMETERS SHOWN BELOW AND BY USE OF UNI-FLANGE THRUST RESTRAINT SOFTWARE. OTHER PARAMETERS CAN BE RUN ON THIS PROGRAM.

PIPE	PVC, CLASS 150, (AWWA C900)
SOIL	CL (NORMAL)
AVG. DEPTH OF BURY	4.5. FT.
TRENCH TYPE	TYPE 3
TEST PRESSURE	100 PSI
SAFETY FACTOR	2 :1

City of Washington Est. 1825

DATE:	STANDARD NO.
DEC. 2020	028

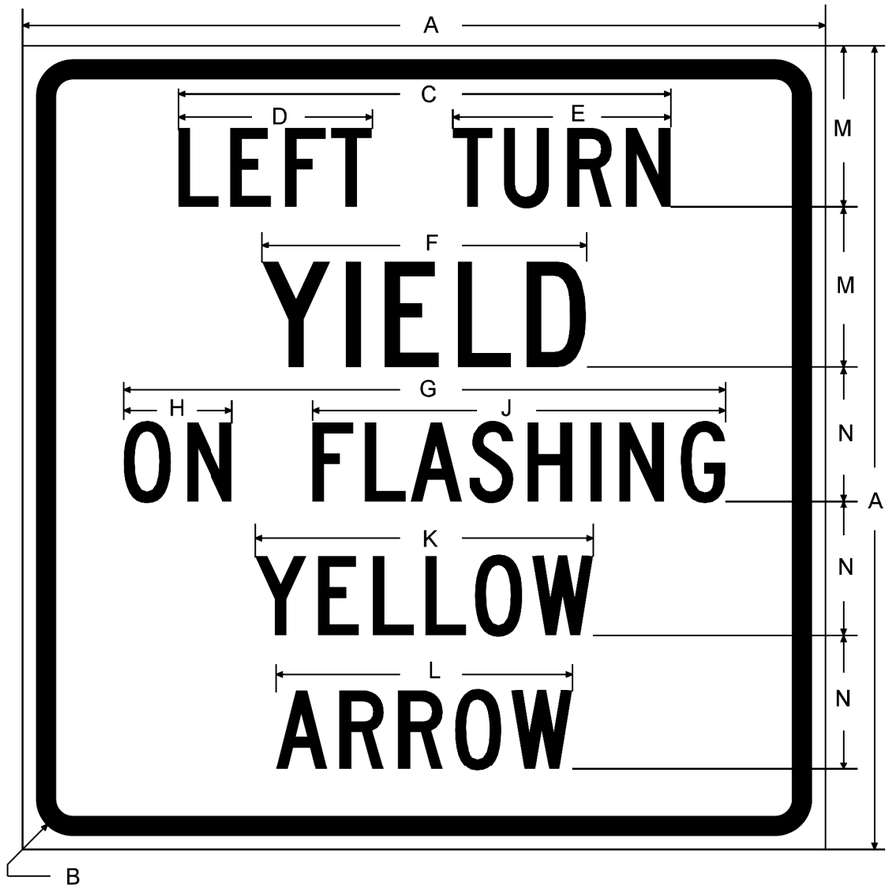
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TERRA ENGINEERING LTD.	USER NAME = AlphonseE	DESIGNED - GH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WATER MAIN DETAILS FREEDOM PARKWAY
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	PLOT DATE = 3/16/2023	DATE - 2023/03/17	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	111
		CONTRACT NO. 89805		
	ILLINOIS	FED. AID PROJECT		

ILLINOIS STANDARD

R10-I109

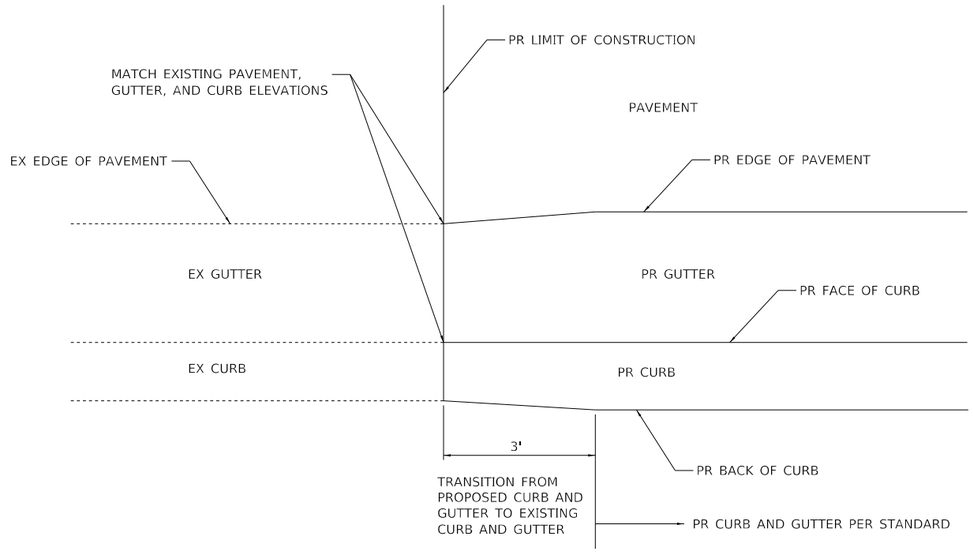


COLOR	LEGEND AND BORDER	BLACK	NON-REFLECTORIZED
	BACKGROUND	WHITE	REFLECTORIZED

SIGN SIZE	DIMENSIONS											
	A	B	C	D	E	F	G	H	J	K	L	M	N
30 x 30	30.00	1.88	18.40	7.20	8.20	12.20	22.40	4.00	15.40	12.60	11.00	6.00	5.00

SIGN SIZE	SERIES BY LINE					MARGIN	BORDER
	1	2	3	4	5		
30 x 30	3C	4C	3C	3C	3C	0.500	0.750

All dimensions in inches. Sign not to scale.



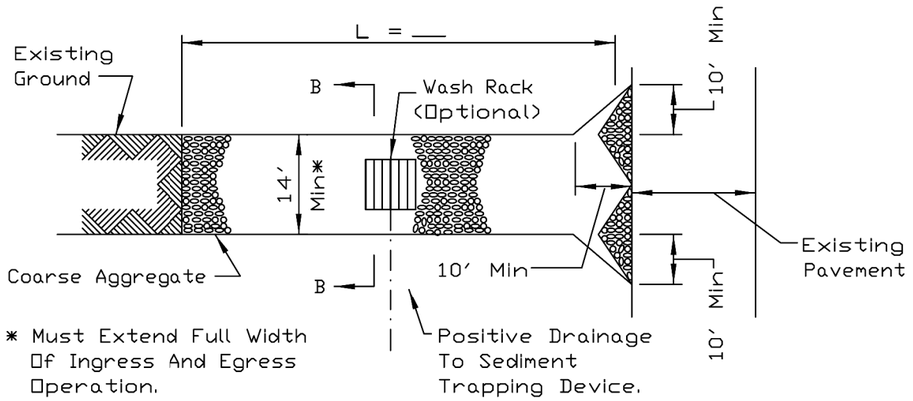
TRANSITION FROM PROPOSED CURB AND GUTTER TO EXISTING CURB AND GUTTER AT PROJECT LIMITS

(NOT TO SCALE)

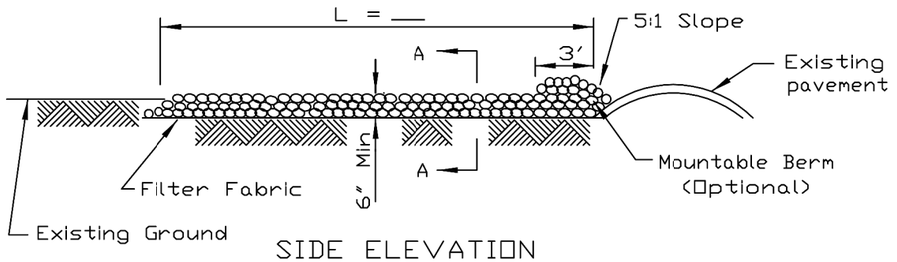
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TERRA ENGINEERING LTD.	USER NAME = AlphonseE	DESIGNED - GH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 3/16/2023	DATE - 2023/03/17	REVISED -					ILLINOIS FED. AID PROJECT		

STABILIZED CONSTRUCTION ENTRANCE PLAN



PLAN VIEW



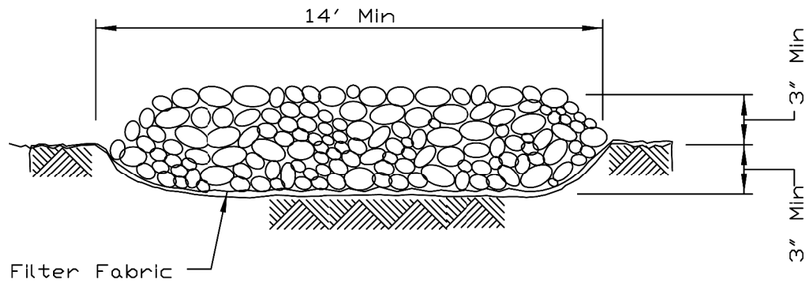
SIDE ELEVATION

NOTES:

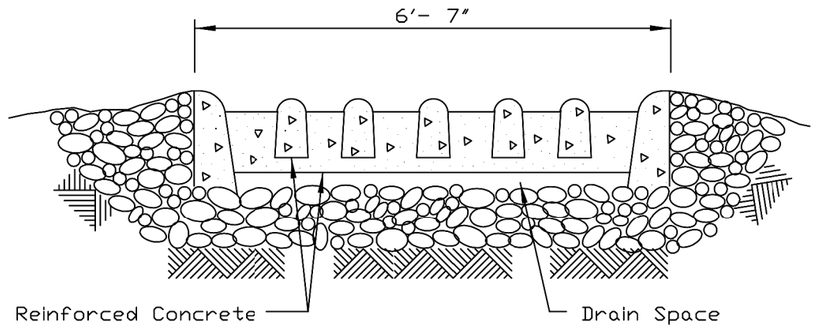
1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table I or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock.
2. Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, CA-1, CA-2, CA-3 or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
3. Any drainage facilities required because of washing shall be constructed according to manufacturers specifications.
4. If wash racks are used they shall be installed according to the manufacturer's specifications.

REFERENCE		STANDARD DWG. NO.
Project ____	NRCS Natural Resources Conservation Service	IL-630
Designed ____ Date ____		SHEET 1 OF 2
Checked ____ Date ____		DATE 8-18-94
Approved ____ Date ____		

STABILIZED CONSTRUCTION ENTRANCE PLAN



SECTION A-A



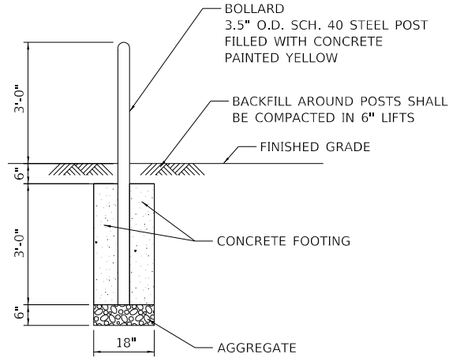
SECTION B-B

REFERENCE		STANDARD DWG. NO.
Project ____	NRCS Natural Resources Conservation Service	IL-630
Designed ____ Date ____		SHEET 2 OF 2
Checked ____ Date ____		DATE 8-18-94
Approved ____ Date ____		

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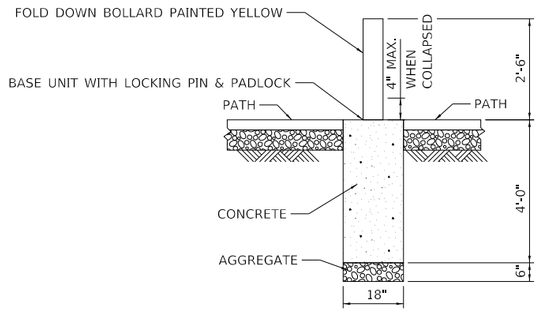
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PLOT DATE = 3/16/2023	DATE - 2023/03/17	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	113
		CONTRACT NO. 89805		
	ILLINOIS FED. AID PROJECT			



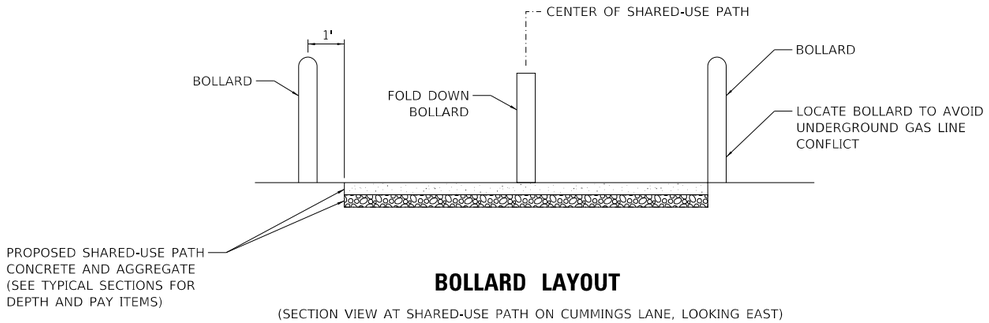
BOLLARD DETAIL

NOT TO SCALE



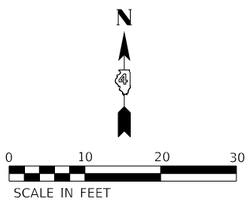
FOLD DOWN BOLLARD DETAIL

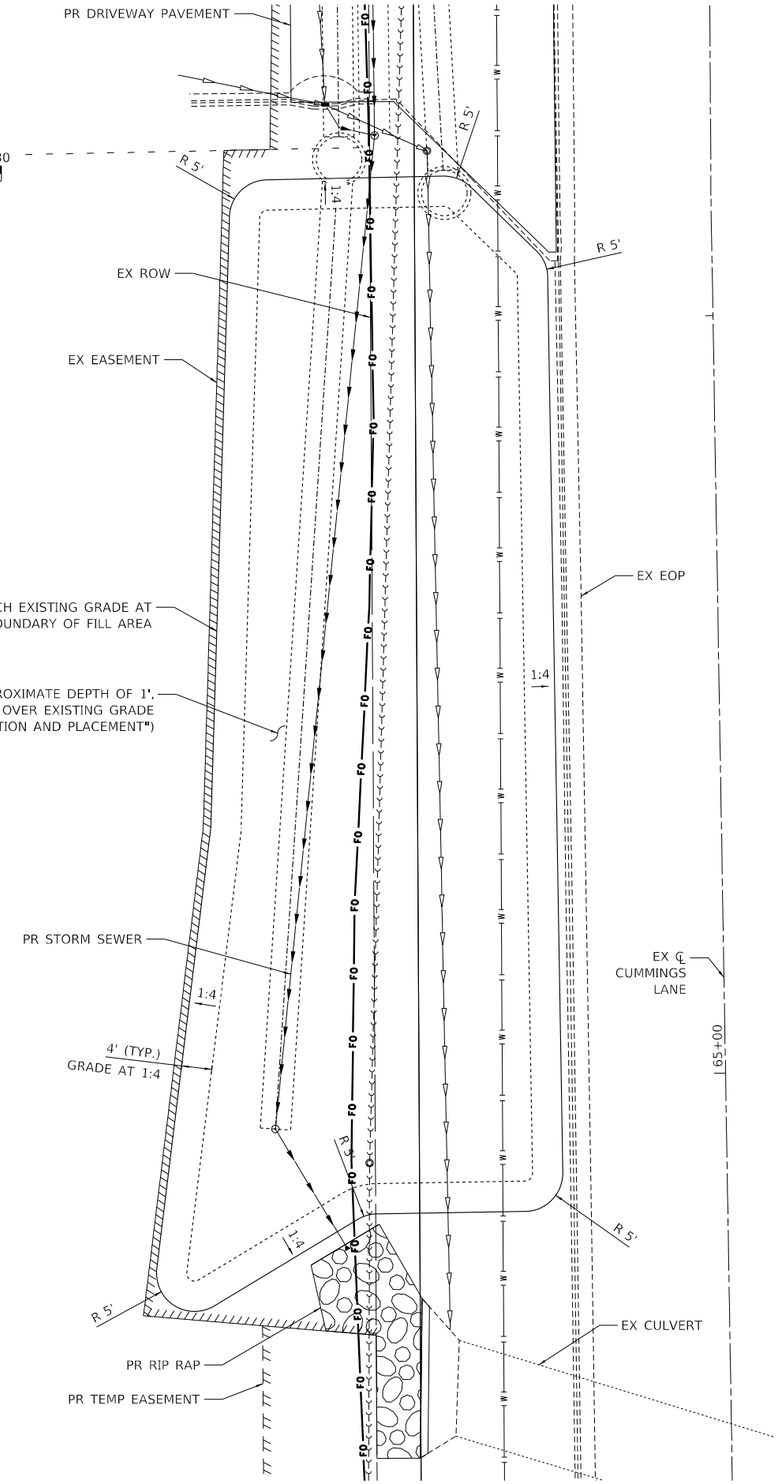
NOT TO SCALE



BOLLARD LAYOUT

(SECTION VIEW AT SHARED-USE PATH ON CUMMINGS LANE, LOOKING EAST)
NOT TO SCALE





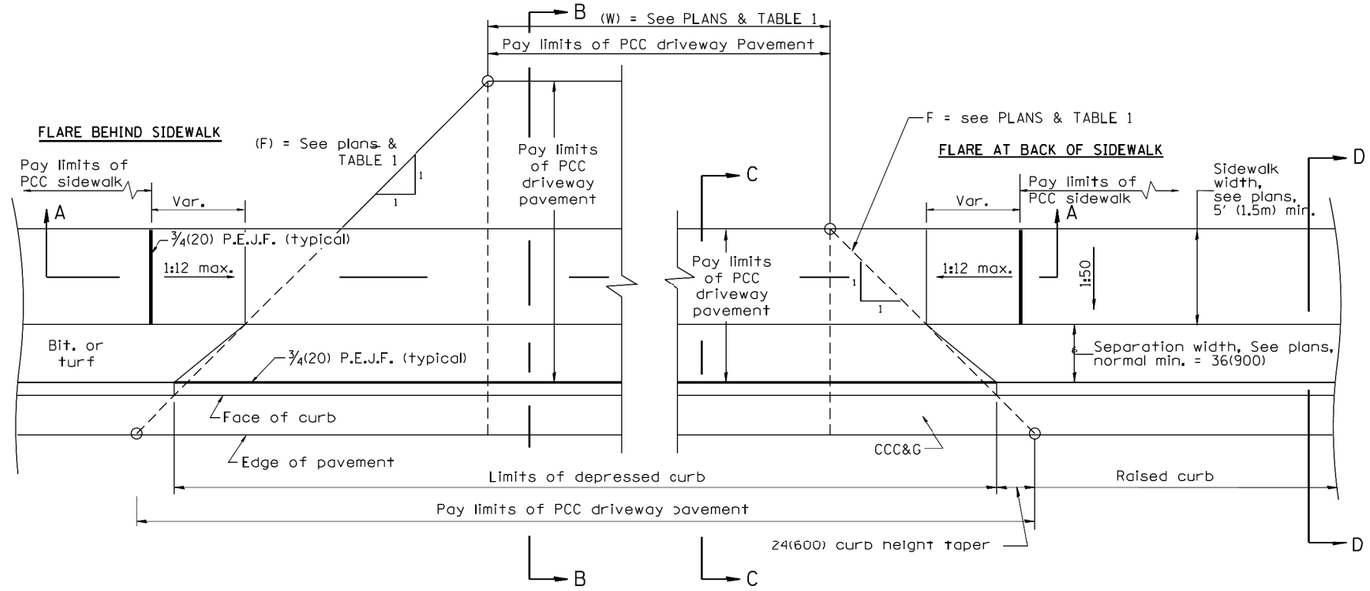
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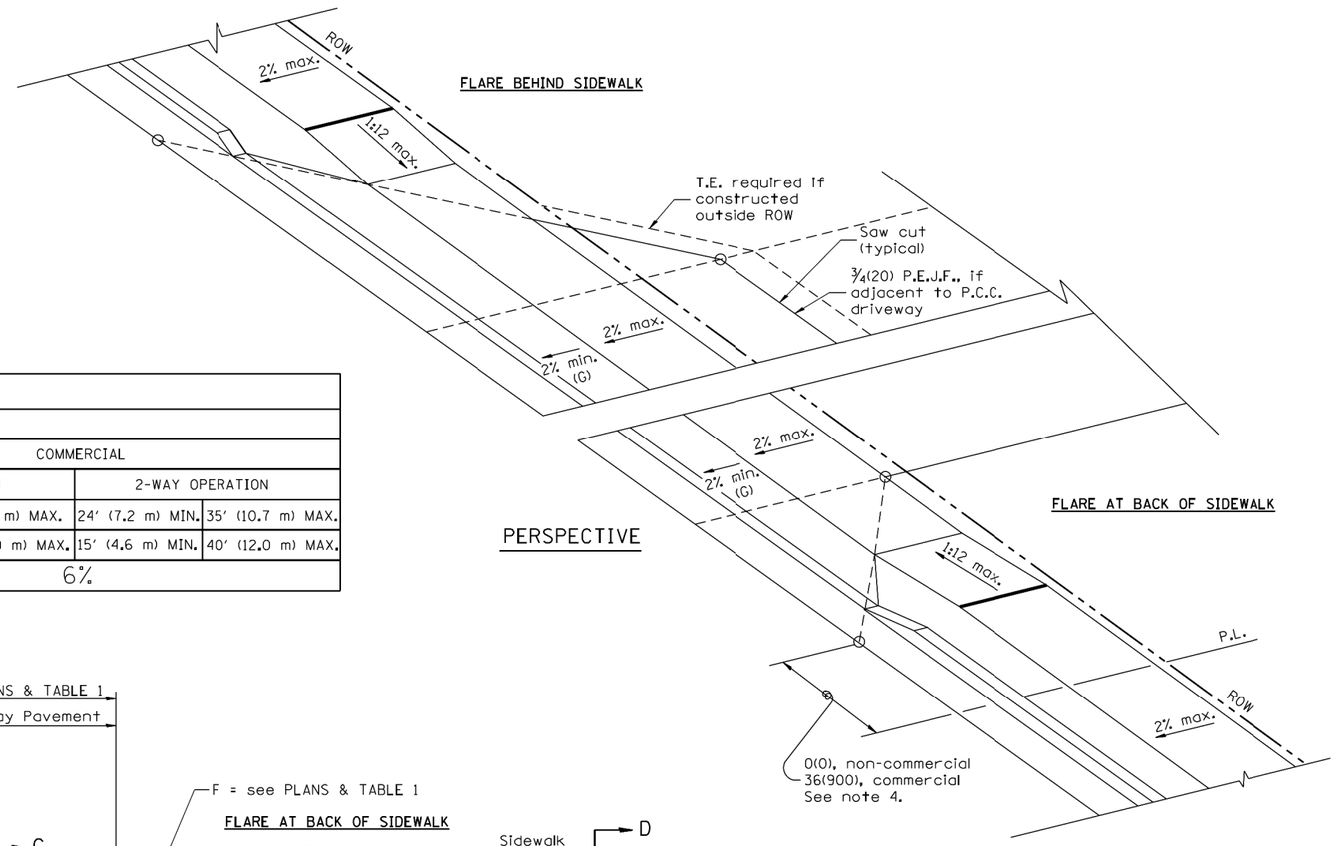
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6745	20-00128-02-PV	Tazewell	147	114
		CONTRACT NO. 89805		
	ILLINOIS	FED. AID PROJECT		

DESIGNER NOTES:
1. DESIGNER SHOULD REVIEW "HANDBOOK FOR THE POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS"
   1:1 FLARES ARE RECOMMENDED FOR SIDEWALKS WITH NARROW SEPARATIONS.
2. DESIGNER SHOULD REVIEW BDE CHAPTER 58.
3. STATE STANDARD 606001 AND APPLICABLE SIDEWALK STANDARDS SHOULD BE INCLUDED IN THE PLANS TO SUPPLEMENT THIS DRAWING.

TABLE 1						
URBAN ENTRANCE DESIGN CONTROLS						
ELEMENT	NON-COMMERCIAL		COMMERCIAL			
			1-WAY OPERATION		2-WAY OPERATION	
WIDTH (W)	12' (3.6 m) MIN.	24' (7.2 m) MAX.	14' (4.3 m) MIN.	24' (7.2 m) MAX.	24' (7.2 m) MIN.	35' (10.7 m) MAX.
RADIUS EQUIVALENT 1:1 FLARE (F)	5' (1.5 m) MIN.	25' (7.6 m) MAX.	15' (4.6 m) MIN.	40' (12.0 m) MAX.	15' (4.6 m) MIN.	40' (12.0 m) MAX.
MAX. GRADE (G)	8%		6%			



PLAN



GENERAL NOTES

1. The sidewalk area located within the pay limits of P.C.C. Driveway Pavement will be of the same thickness and construction as the P.C.C. Driveway Pavement.
2. Combination Concrete Curb & Gutter shall be depressed in accordance with Standard 606001.
3. Exceptions to the radius flare/property line relationship are as shown in the plans for common entrances, with jointly executed access permits.
4. Refer to State Standard 424026 for detectable warnings at busy commercial entrances.

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

01-01-97	RENUM. C-103.01, NEW REVISION BOX	T.P.	03-15-12	REMOVED HATCHING ON RAMPS	R.D.
01-17-03	REMOVE CURB CONTRACTION	JATR			
09-15-05	JOINT	M.M.A.			
10-16-06	REVISED TO 2007 SPEC.	M.A.			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

URBAN ENTRANCES, ACCESSIBLE TO THE DISABLED, FOR SEPARATED SIDEWALKS
SHT. 1 OF 2
NOT TO SCALE
CADD STD. 423106-D4

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CONTRACT NO.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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TERRA ENGINEERING LTD.

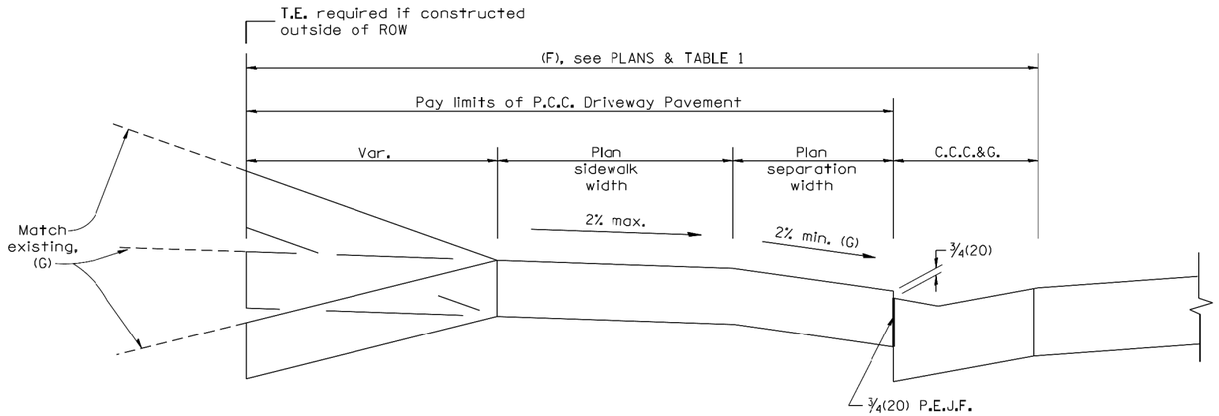
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

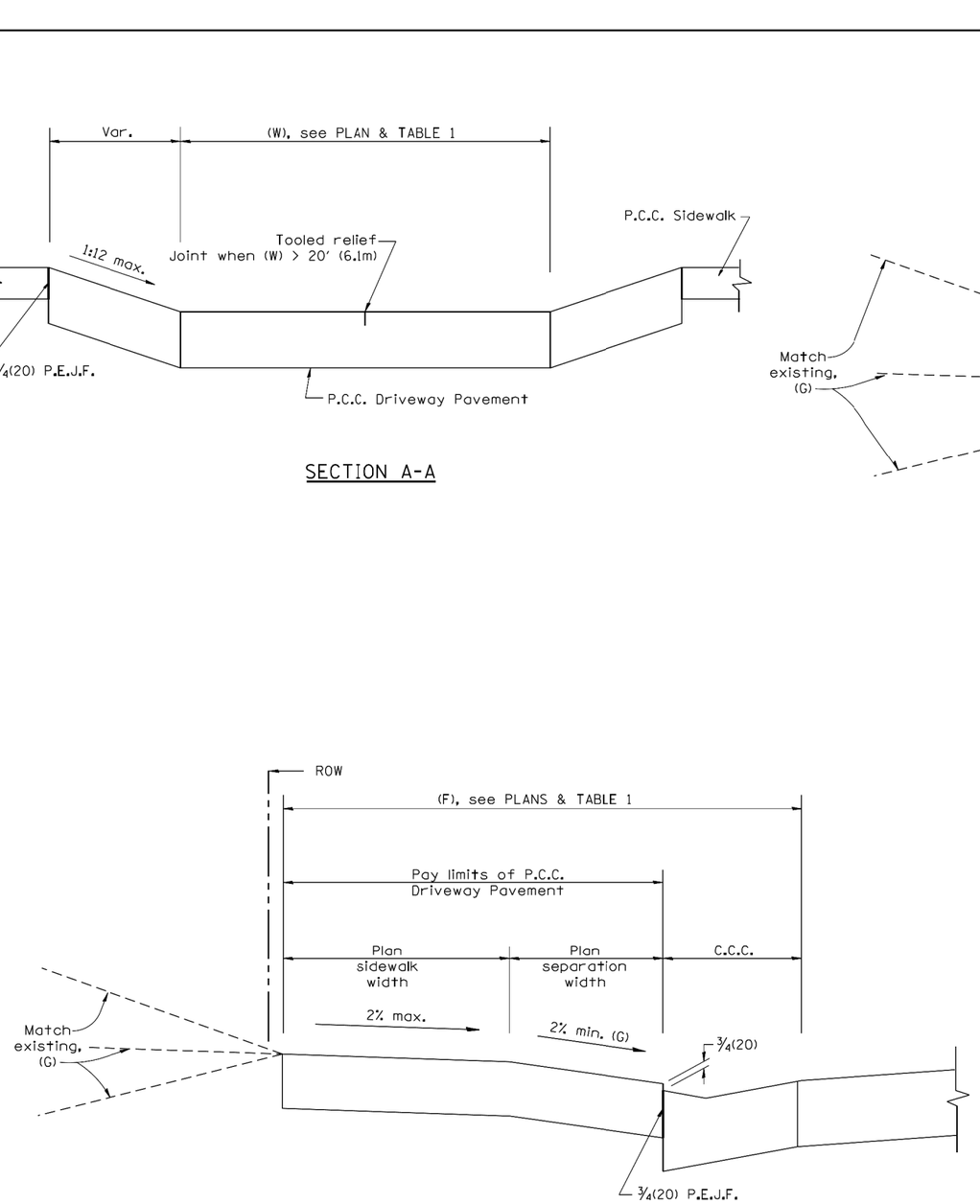
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	115
		CONTRACT NO. 89805		
	ILLINOIS	FED. AID PROJECT		

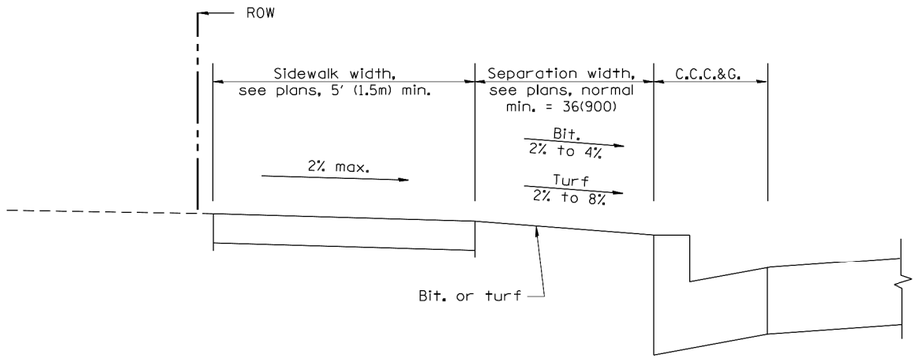
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

URBAN ENTRANCES, ACCESSIBLE TO THE DISABLED, FOR SEPARATED SIDEWALKS
SHT. 2 OF 2
NOT TO SCALE
CADD STD. 423106-D4

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CONTRACT NO.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TERRA ENGINEERING LTD.

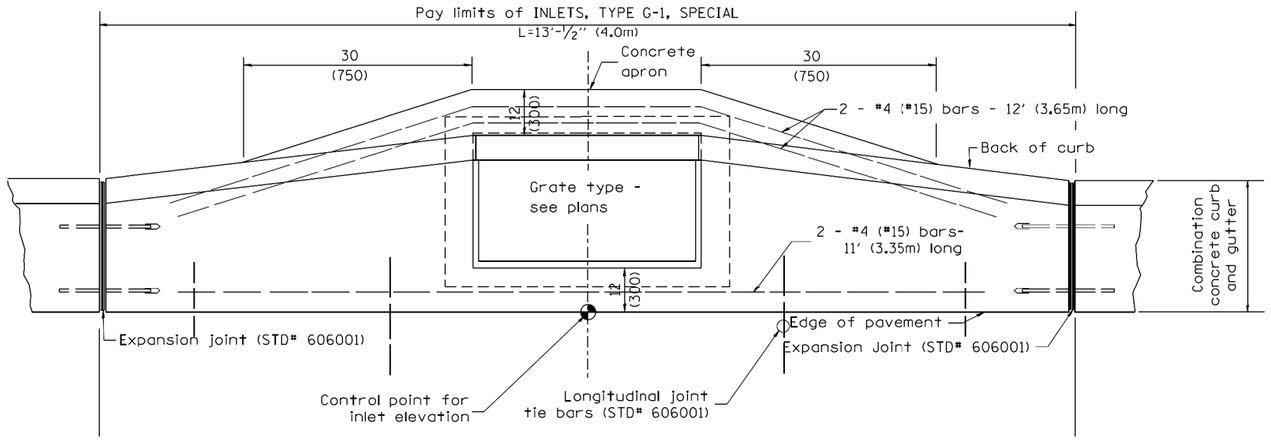
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

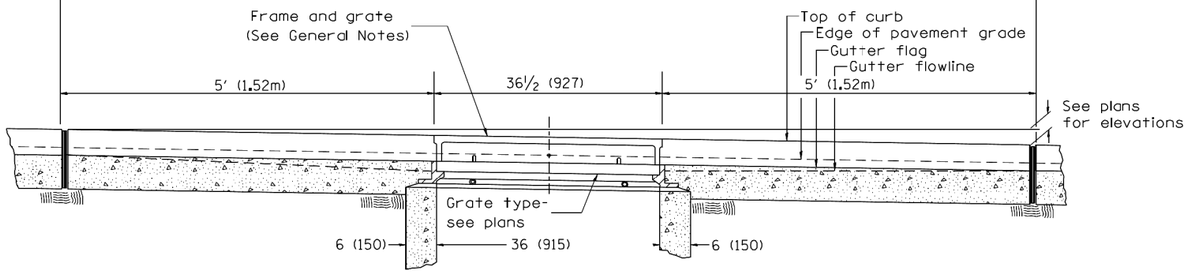
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	116
		CONTRACT NO. 89805		
	ILLINOIS	FED. AID PROJECT		

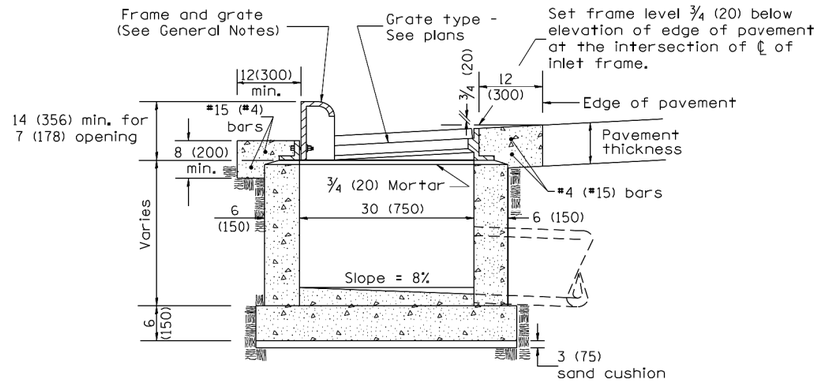
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PLAN



ELEVATION
(FRONT)



ELEVATION
(SIDE)

GENERAL NOTES

1. Inlet construction shall be in accordance with Section 602 of the Standard Specifications.
2. Combination Concrete Curb and Gutter shall be constructed in accordance with Section 606 of the Standard Specifications.
3. See District CADD Standard 604001-D4 for frame and grates.

DESIGNER NOTES:
1. Include State Standard 606001 for combination concrete curb and gutter details.
2. Include State Standard 420001 for pavement joints.
3. Include District CADD Standard for frame and grates.
4. Include District Special Provision. Pay Item includes transitional c.c.c &g. inlet and frame and grate. All work within pay limits.
5. Specify grate type in plans

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

01-01-97	RENUM. B-4.02, NEW REVISION BOX									
12-01-98	CORRECT E.O.P. NOTE	J.A.								
10-99	REVISION TO GENERAL NOTES	J.A.								
10-16-06	REVISED TO 2007 SPEC.	M.A.								

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INLETS, TYPE G-1, SPECIAL

NOT TO SCALE — CADD STD. 602006-D4

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CONTRACT NO.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

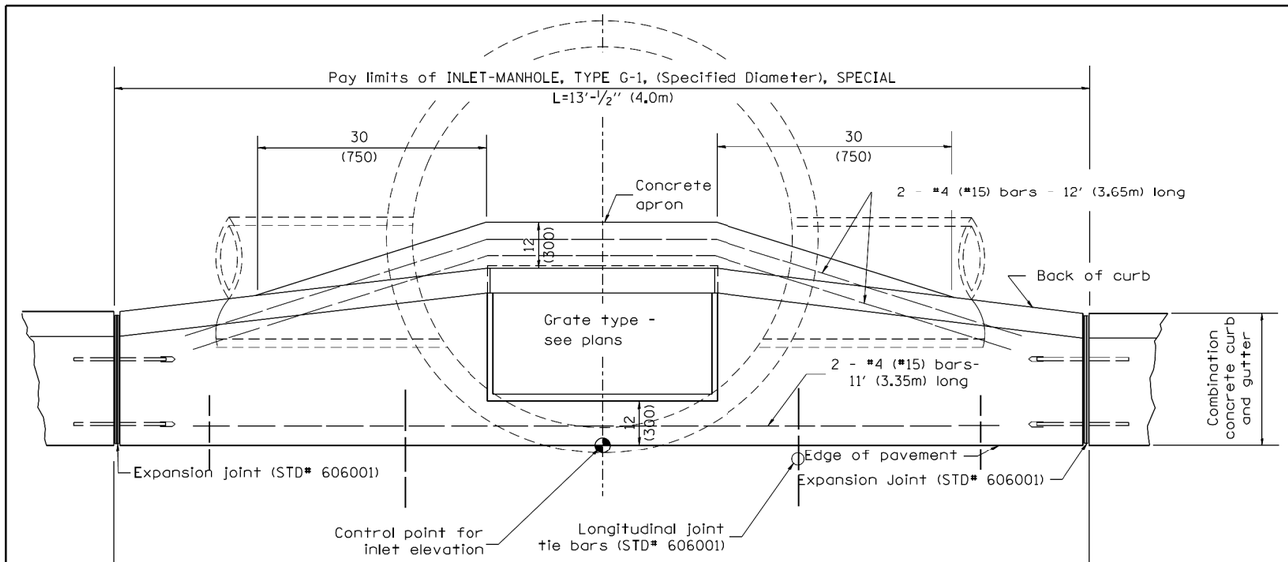
TERRA ENGINEERING LTD.

USER NAME = AlphonseE	DESIGNED - CC	REVISED -	**STATE OF ILLINOIS** **DEPARTMENT OF TRANSPORTATION**	**IDOT D4 DETAIL – INLETS, TYPE G-1, SPECIAL**	
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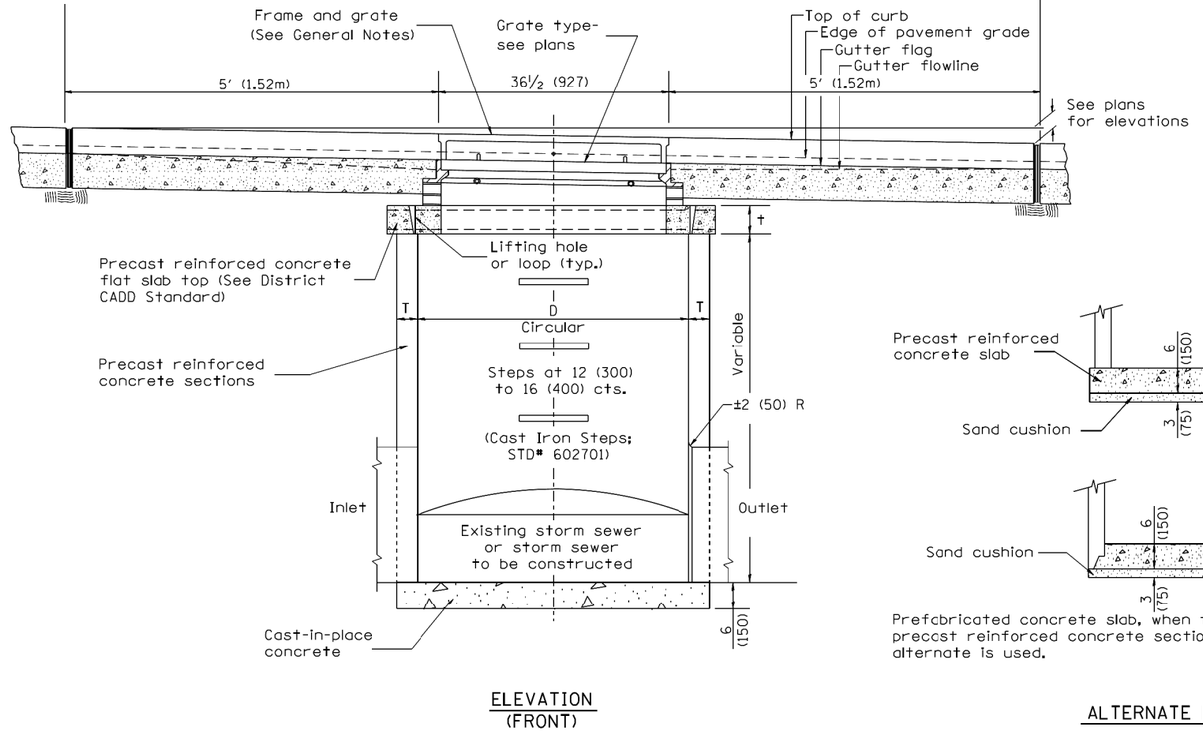
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6745	20-00128-02-PV	Tazewell	147	117
		CONTRACT NO. 89805		
	ILLINOIS	FED. AID PROJECT		

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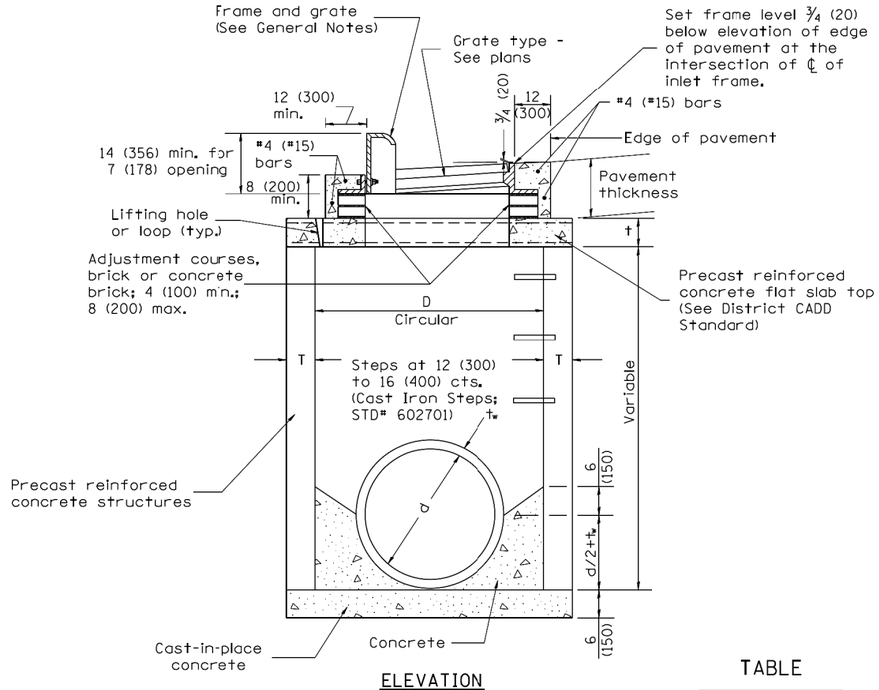
DESIGNER NOTES:
1. Include State STD# 606001 for combination concrete curb and gutter details.
2. Include State STD# 420001 for pavement joints.
3. Include State STD# 602701 for cast iron steps.
4. Include District CADD Standard for frame and grates.
5. Include District CADD Standard for precast reinforced concrete flat slab top.
6. Include District Standard for precast reinforced concrete flat slab top, transitional c.c.&g. and frame and grate. All work within pay limits.
7. Specify diameter of inlet - manhole in plans.
8. Specify grate type in plans.



PLAN



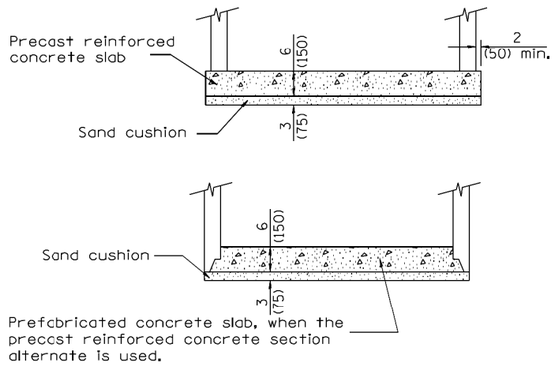
ELEVATION
(FRONT)



ELEVATION
(SIDE)

TABLE

D	T	t
4' (1.2m)	5 (125)	6 (150)
5' (1.5m)	6 (150)	8 (200)
6' (1.8m)	7¾ (195)	8 (200)
8' (2.4m)	9 (225)	10 (250)



ALTERNATE BOTTOM SLAB

GENERAL NOTES

1. Inlet-manhole construction shall be in accordance with Section 602 of the Standard Specifications.
2. Combination concrete curb and gutter shall be constructed in accordance with Section 606 of the Standard Specifications.
3. See District CADD Standard 604001-D4 for frame and grates.
4. See District CADD Standard for precast reinforced concrete flat slab top.

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

01-01-97	RENUM. B-4.06, NEW REVISION BOX	T.P.			
12-01-98	CORRECT E.O.P. NOTE	J.A.			
10-99	REVISION TO GENERAL NOTES	J.A.			
10-16-06	REVISED TO 2007 SPEC.	M.A.			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INLET–MANHOLE, TYPE G–1, SPECIAL

NOT TO SCALE — CADD STD. 602026-D4

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CONTRACT NO.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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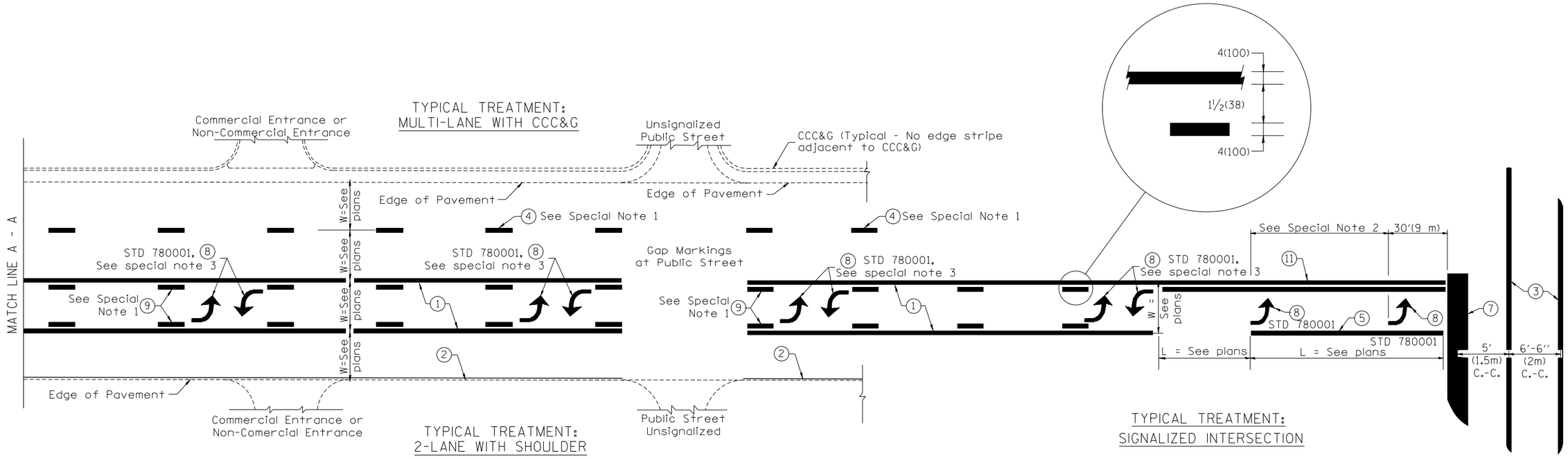
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PLOT DATE	= 3/16/2023	DATE	- 2023/03/17	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IDOT D4 DETAIL – INLET–MANHOLE, TYPE G–1, SPECIAL

SCALE: 10.0000 ' / in. SHEET 6 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	118
		CONTRACT NO. 89805		
	ILLINOIS	FED. AID PROJECT		



FLUSH PAVED MEDIAN: TWO-WAY LEFT TURN LANE WITH ONE-WAY LEFT TURN LANE AT SIGNALIZED INTERSECTION

TYPICAL PAVEMENT MARKING LEGEND

(Note: This is a District Standard Legend.
Some elements may not apply to specific project.)

1. 4(100) Solid (Yellow)
2. 4(100) Solid (White)
3. 2-6(150) Crosswalk @ 6'-6" (2m)min C.-C. (White)
   2-8(200) Crosswalk @ 6'-6" (2m)min C.-C. (White) (When traffic signals are present.)
4. 6(150) Skip-Dash (White) — 10' (3.05m) / 30' (9.14m) / 10' (3.05m) (See Special Note 1)
5. 8(200) Solid (White)
6. 12(300) Diagonal (White) (Item 6 is shown on Std. 780001)
7. 24(600) Stop Bar (White)
8. Letters & Arrows — 33' (10m) (See Std. 780001 and Special Notes 2 & 3)
9. 4(100) Skip-Dash (Yellow) — 10' (3.05m) / 30' (9.14m) / 10' (3.05m) (See Special Note 1)
10. 12(300) Diagonal (Yellow) (See Table A)
11. 4(100) Double Solid (Yellow) — 11(280) C.-C., See Table A, 45°

SPECIAL NOTES

1. Skip-Dash markings will be centered between both ends of city blocks and shall be placed in alignment transversely across the pavement.
2. The following shall apply to arrows located in one-way left turn lanes:
   A. A minimum of two (2) arrows is required.
   B. The maximum spacing between arrows is 80' (24 m).
   C. Arrows shall be evenly spaced if three (3) or more are required.
3. The following shall apply to arrow pairs located in two-way left turn lanes:
   A. A minimum of two (2) arrow pairs is required.
   B. The maximum spacing between arrow pairs is 200' (61 m).
   C. Arrow pairs shall be evenly spaced if three (3) or more are required.
   D. The spacing between Bi Directional Left Turn Arrows is 33' (10 m).

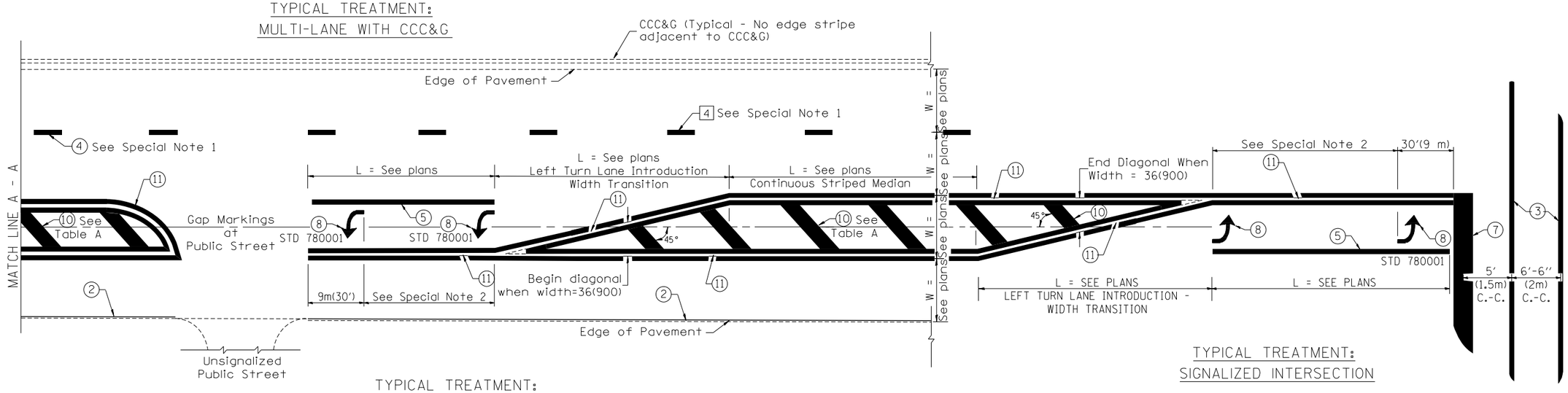
GENERAL NOTES

1. Refer to State Standard 780001 for additional Pavement Markings including letters & arrows.
2. See Plans for Pavement Markings adjacent to curbed islands and medians, and through lane reductions.
3. Refer to Article 780.13 for letter, number and symbol areas (sq. ft.)
4. Areas are grooved 1" beyond each edge for the following symbols:
   Through Arrow= 14.8 sq. ft.
   Large Left or Right Arrow= 21.9 sq. ft.
   2 Arrow Combination Left (or Right) and Through= 34.9 sq. ft.
   Wrong Way Arrow= 29.5 sq. ft.
   Railroad Crossing Symbol= 69.8 sq. ft.
   (For further information, refer to BDE Special Provision: Grooving for Recessed Pavement Markings)

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TERRA ENGINEERING LTD.	USER NAME = AlphonseE	DESIGNED - CC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IDOT D4 DETAIL – TYPICAL PAVEMENT MARKINGS (1 OF 2)
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	PLOT DATE = 3/16/2023	DATE - 2023/03/17	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	119
		CONTRACT NO. 89805		
	ILLINOIS	FED. AID PROJECT		



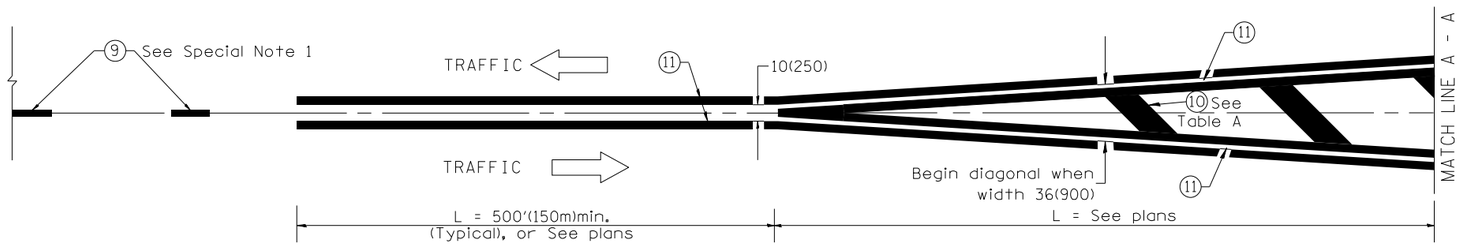
TYPICAL MEDIAN TRANSITIONS

FLUSH PAVED MEDIAN: RESTRICTED LEFT TURN LANE

TABLE A

RECOMMENDED SPACING BETWEEN DIAGONAL LINES

SPEED LIMIT RANGE	CONTINUOUS	INTERSECTION CHANNELIZATION (Includes Width Transitions for Median and Left Turn Lane Introductions)
Less Than 30 mph (50 km/h)	50' (15m)	15' (5m)
30 - 45 mph (50 - 70 km/h)	75' (23m)	20' (6m)
Over 45 mph (70 km/h)	150' (46m)	30' (9m)



MEDIAN INTRODUCTION - WIDTH TRANSITIONS

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

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TERRA ENGINEERING LTD.

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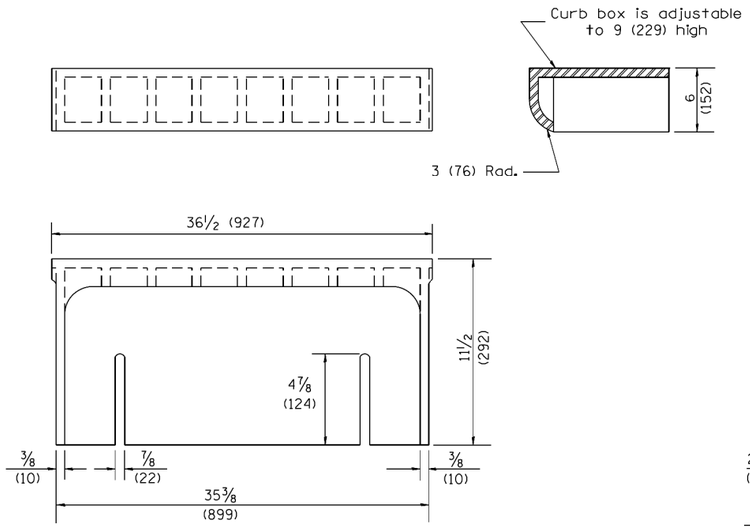
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IDOT D4 DETAIL – TYPICAL PAVEMENT MARKINGS (2 OF 2)

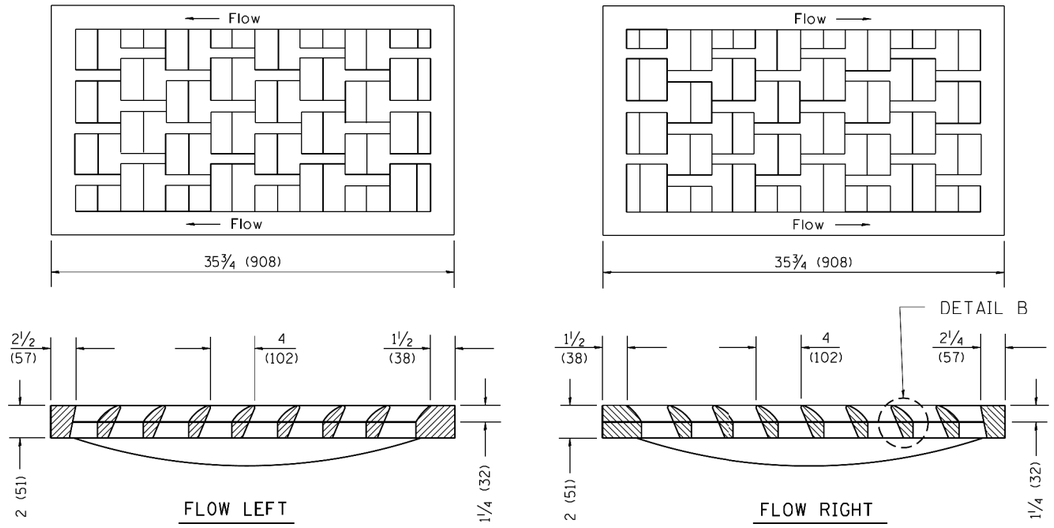
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	120
		CONTRACT NO. 89805		
		ILLINOIS	FED. AID PROJECT	

1. Include this standard with all Type G-1 and Type G-1, Special Drainage Structures as per District Special Provision.
2. Specify grate types and flow directions in plans.
3. These castings are included in the cost of the drainage structures as follows: Inlet Frame: R-3246-A , Curb Box: R-3290
   Reversable Diagonal Grate: R-3246-A
   Vane Grates: R-3246-AL(flow left).
   R-3246-AL(flow right)



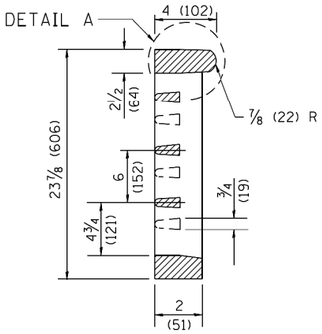
CAST CURB BOX
110 lbs. (50 kg)

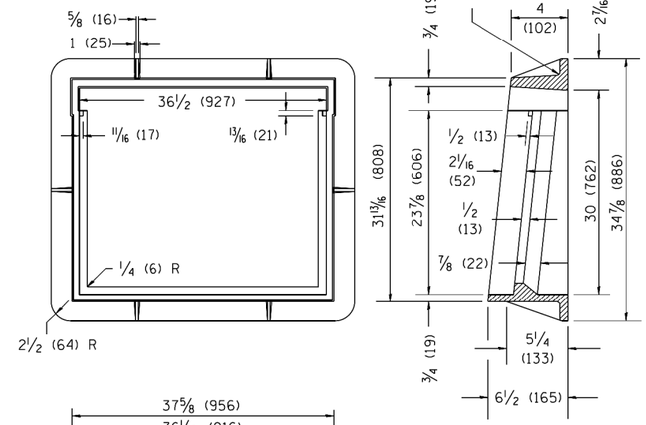


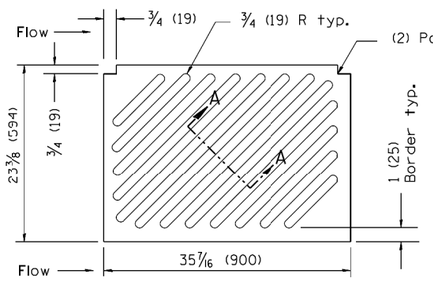
FLOW LEFT

FLOW RIGHT

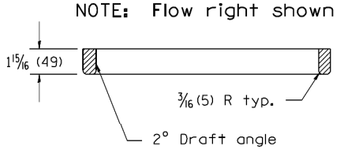
CAST VANE GRATES
(SPECIFY LEFT OR RIGHT FLOW)
230 lbs. (104 KG)



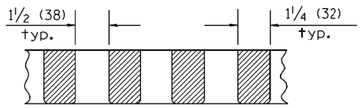




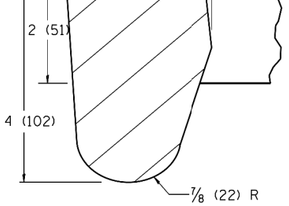
NOTE: Flow right shown



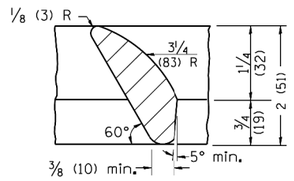
CAST DIAGONAL GRATE
(Reversible for flow)
217 lbs. (98 kg)



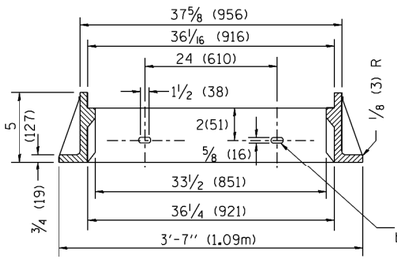
SECTION A-A



DETAIL A



DETAIL B



Slot for galvanized ½x 2½ (M12 x 64) bolt, nut and washer

CAST FRAME
271 lbs. (123 kg)

GENERAL NOTES

1. The frame and grate shown on this drawing are for use with all TYPE G-1 and TYPE G-1, SPECIAL DRAINAGE STRUCTURES. See plans for grate type and flow direction.
2. Flow direction: As viewed from street side.
3. Material: cast gray iron.

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

01-01-97	RENUM. B-10.01, NEW REVISION BOX	T.P.	
10-16-06	REVISED TO 2007 SPEC.	M.A.	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FRAME & GRATES FOR TYPE G-1 AND TYPE G-1, SPECIAL DRAINAGE STRUCTURES

NOT TO SCALE — CADD STD. 604001-D4

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CONTRACT NO.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TERRA ENGINEERING LTD.

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PLOT DATE	= 3/16/2023	DATE	- 2023/03/17	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IDOT D4 DETAIL – FRAME & GATES FOR TYPE G-1 SPECIAL STRUCTURES

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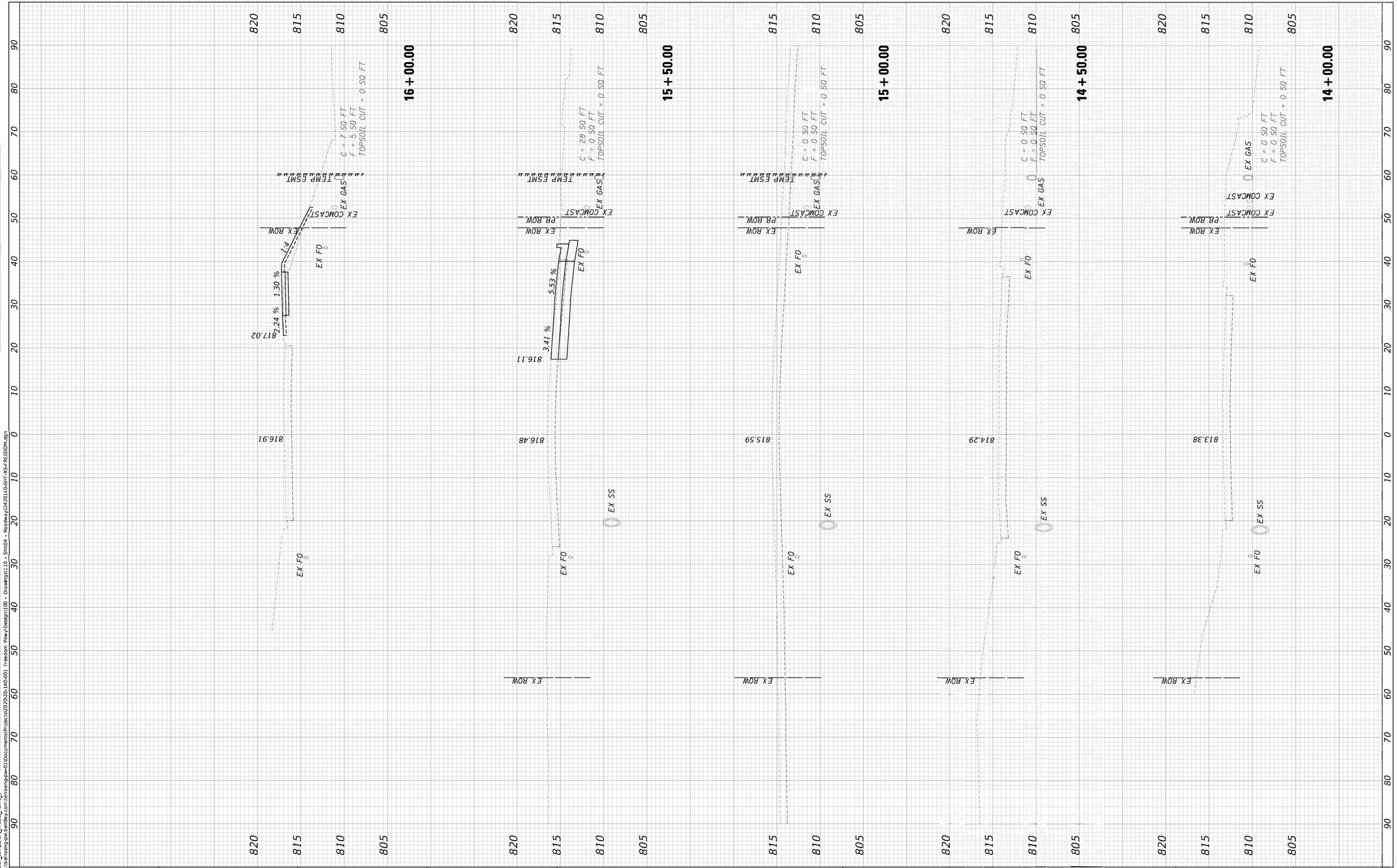
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	ILLINOIS	FED. AID PROJECT		

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	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
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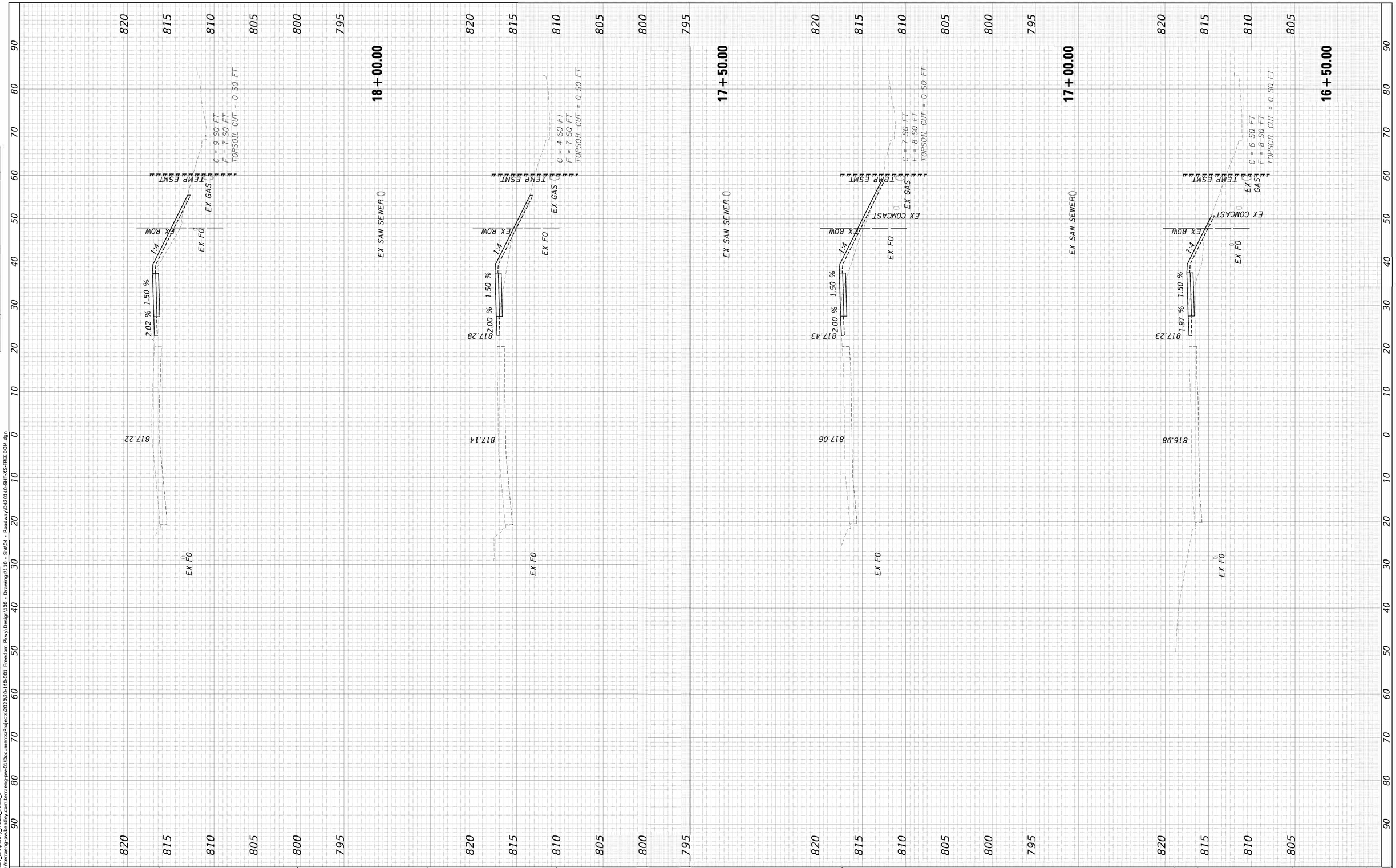
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		DRAWN - CC	REVISED -		
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	122
		CONTRACT NO. 89805		
		ILLINOIS FED. AID PROJECT		



FINAL SURVEY — NOTE BOOK: — NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

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	BY	DATE
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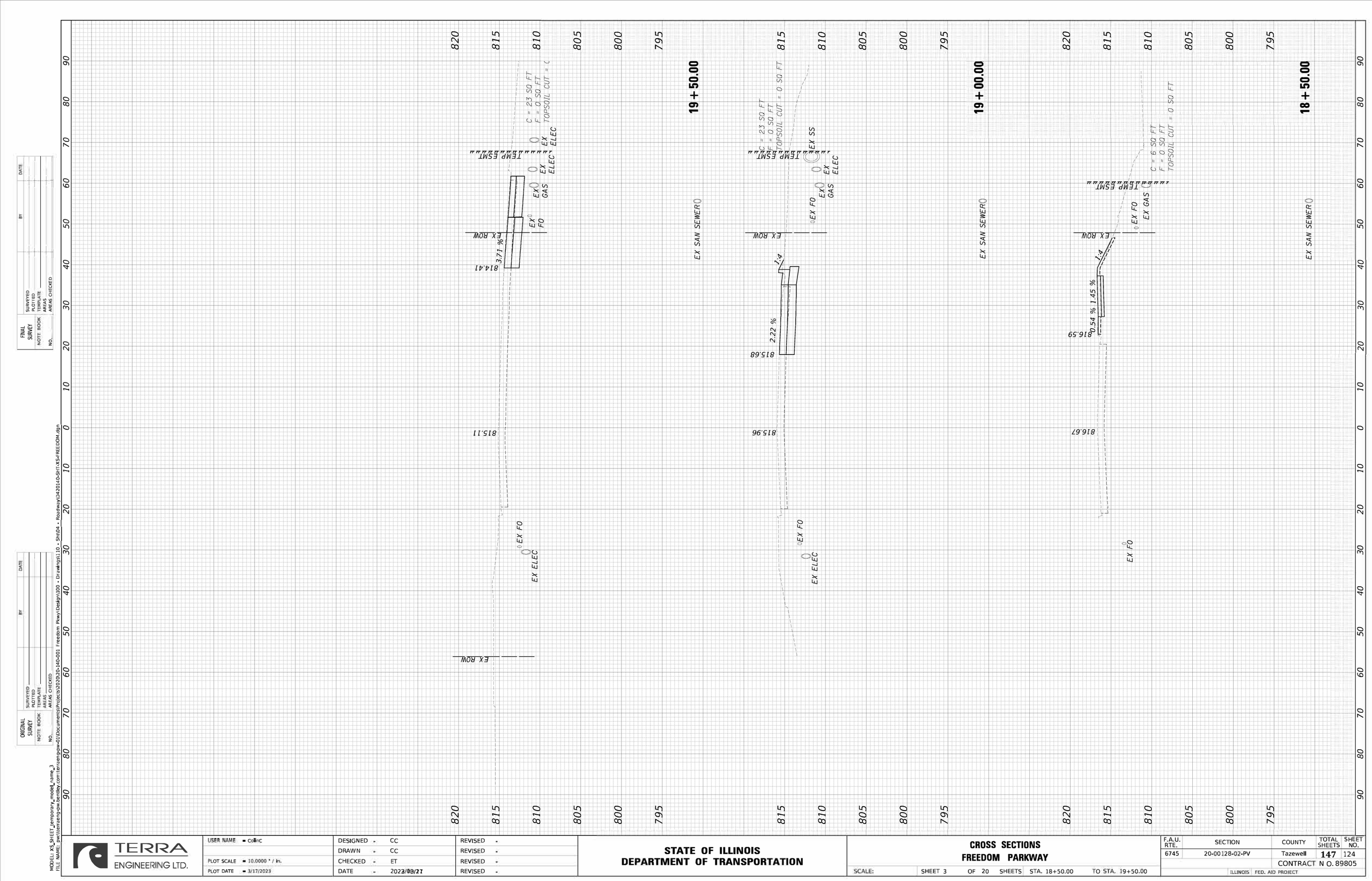
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
FREEDOM PARKWAY

SCALE: | SHEET 2 OF 20 SHEETS | STA. 16+50.00 | TO STA. 18+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	123
		CONTRACT NO. 89805		
		ILLINOIS FED. AID PROJECT		



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

ORIGINAL SURVEY	SURVEYED	BY	DATE
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TERRA ENGINEERING LTD.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
FREEDOM PARKWAY

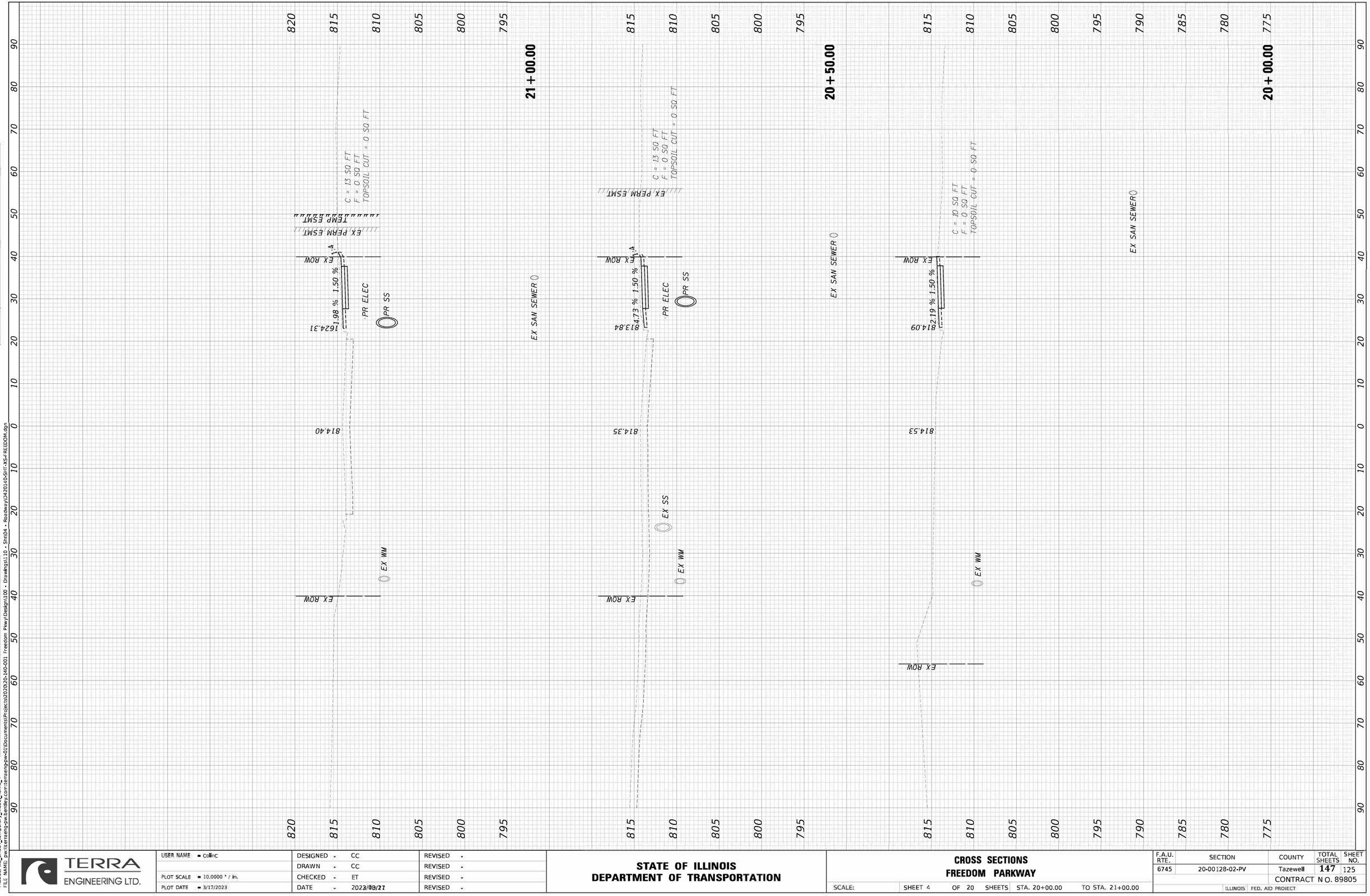
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	124
		CONTRACT NO. 89805		
		ILLINOIS	FED. AID PROJECT	

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

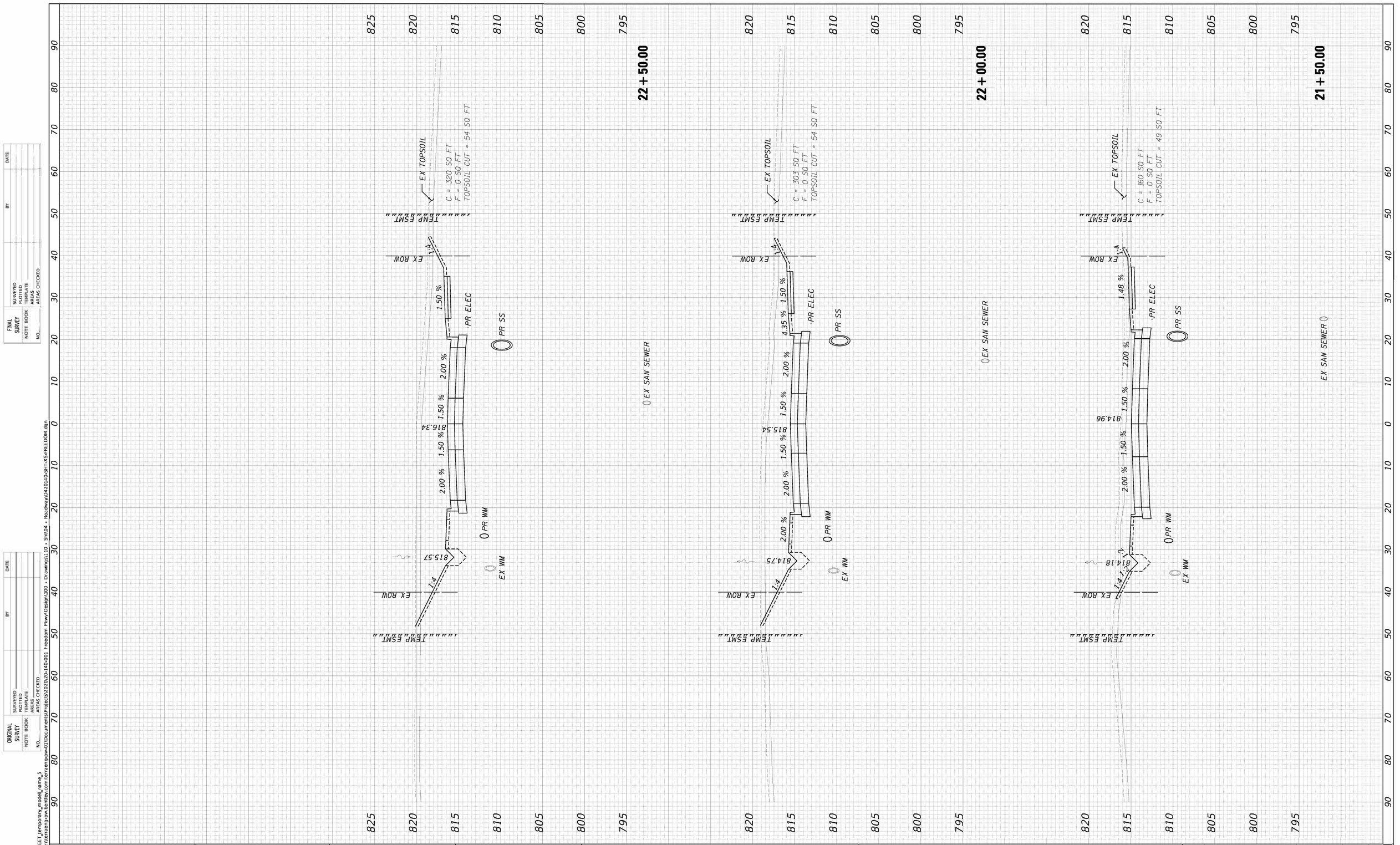
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	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

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TERRA ENGINEERING LTD.	USER NAME = colinc	DESIGNED - CC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS FREEDOM PARKWAY
		DRAWN - CC	REVISED -		
	PLOT SCALE = 10.0000 ' / in.	CHECKED - ET	REVISED -		
	PLOT DATE = 3/17/2023	DATE - 2023/03/27	REVISED -		SCALE: SHEET 4 OF 20 SHEETS STA. 20+00.00 TO STA. 21+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	125
		CONTRACT NO. 89805		
	ILLINOIS FED. AID PROJECT			



FINAL SURVEY
NOTE BOOK
NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY
NOTE BOOK
NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

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TERRA ENGINEERING LTD.

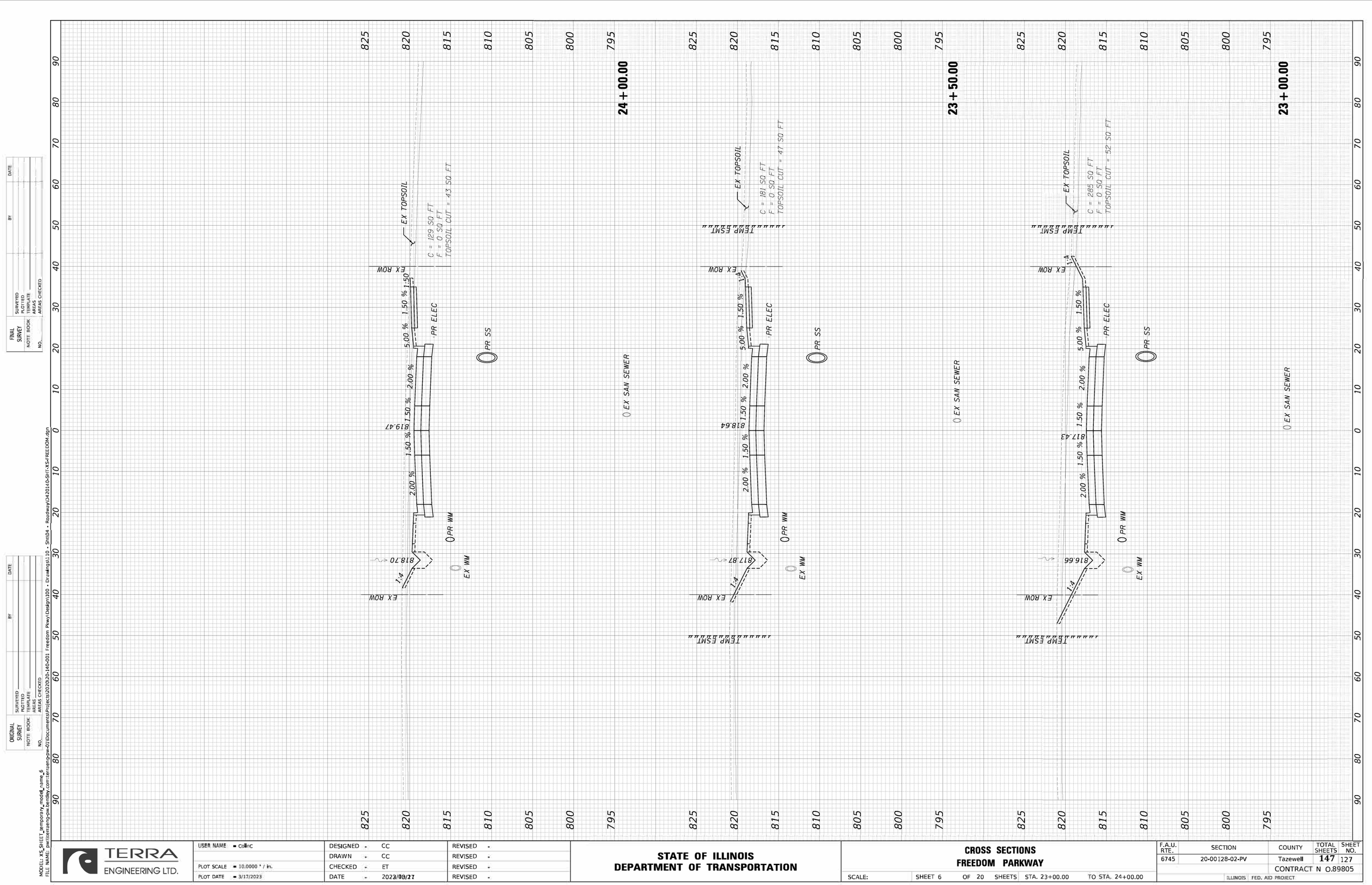
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	DRAWN - CC	REVISED -
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PLOT DATE = 3/17/2023	DATE - 2023/03/27	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
FREEDOM PARKWAY

SCALE: | SHEET 5 OF 20 SHEETS | STA. 21+50.00 | TO STA. 22+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	126
		CONTRACT NO. 89805		
	ILLINOIS FED. AID PROJECT			



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

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

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TERRA ENGINEERING LTD.

USER NAME = CollinC	DESIGNED - CC	REVISED -
	DRAWN - CC	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - ET	REVISED -
PLOT DATE = 3/17/2023	DATE - 2023/03/27	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
FREEDOM PARKWAY

SCALE: | SHEET 6 OF 20 SHEETS | STA. 23+00.00 | TO STA. 24+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	127
		CONTRACT N O.89805		
	ILLINOIS	FED. AID PROJECT		

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

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

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TERRA ENGINEERING LTD.

USER NAME = C&HC
PLOT SCALE = 10.0000 ' / In.
PLOT DATE = 3/17/2023

	DESIGNED	REVISED
	DRAWN	REVISED
	CHECKED	REVISED
DATE	-	REVISED

DESIGNED	-	CC
DRAWN	-	CC
CHECKED	-	ET
DATE	-	2023/03/21

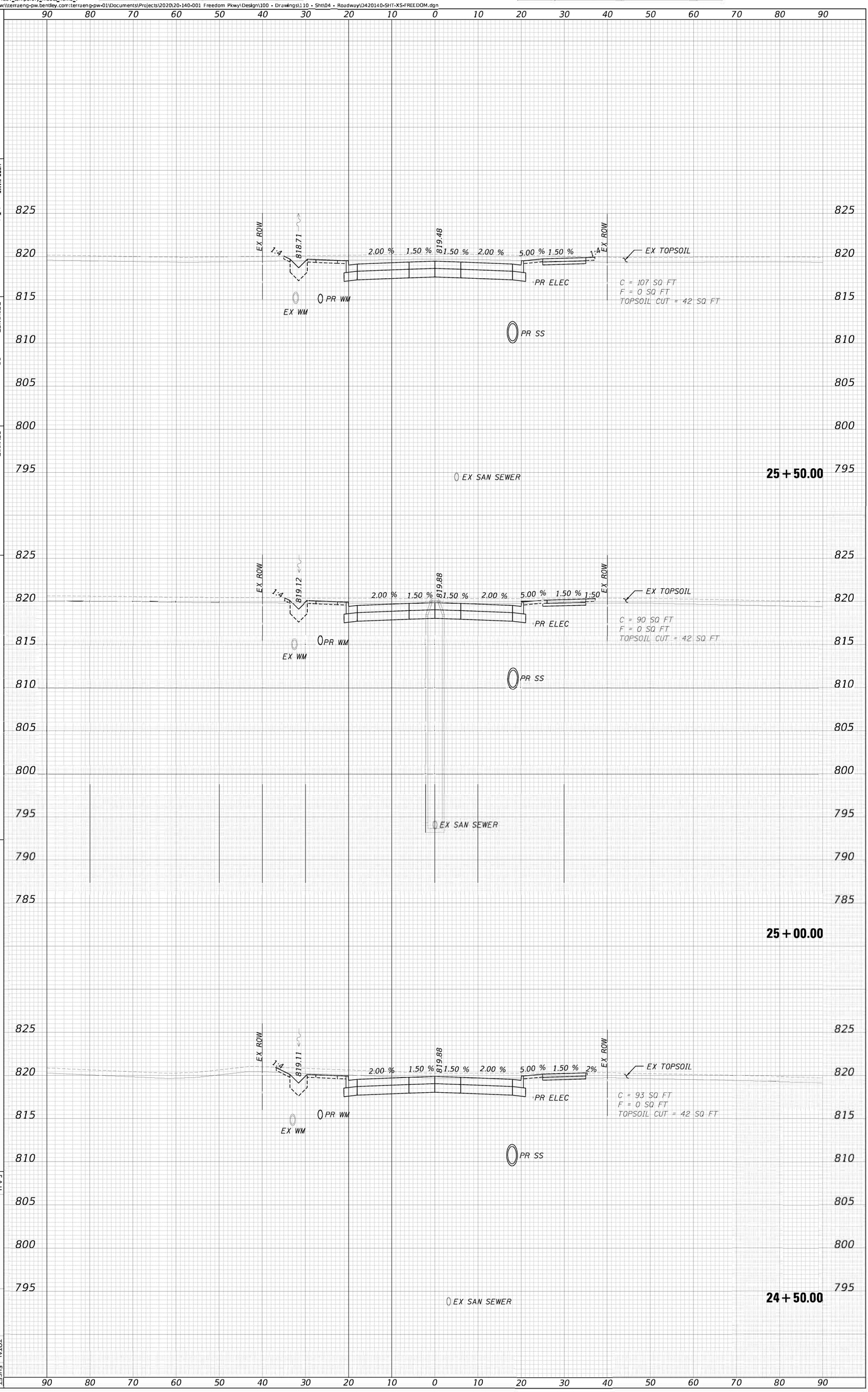
REVISED	-	-
REVISED	-	-
REVISED	-	-
REVISED	-	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
FREEDOM PARKWAY

SCALE:

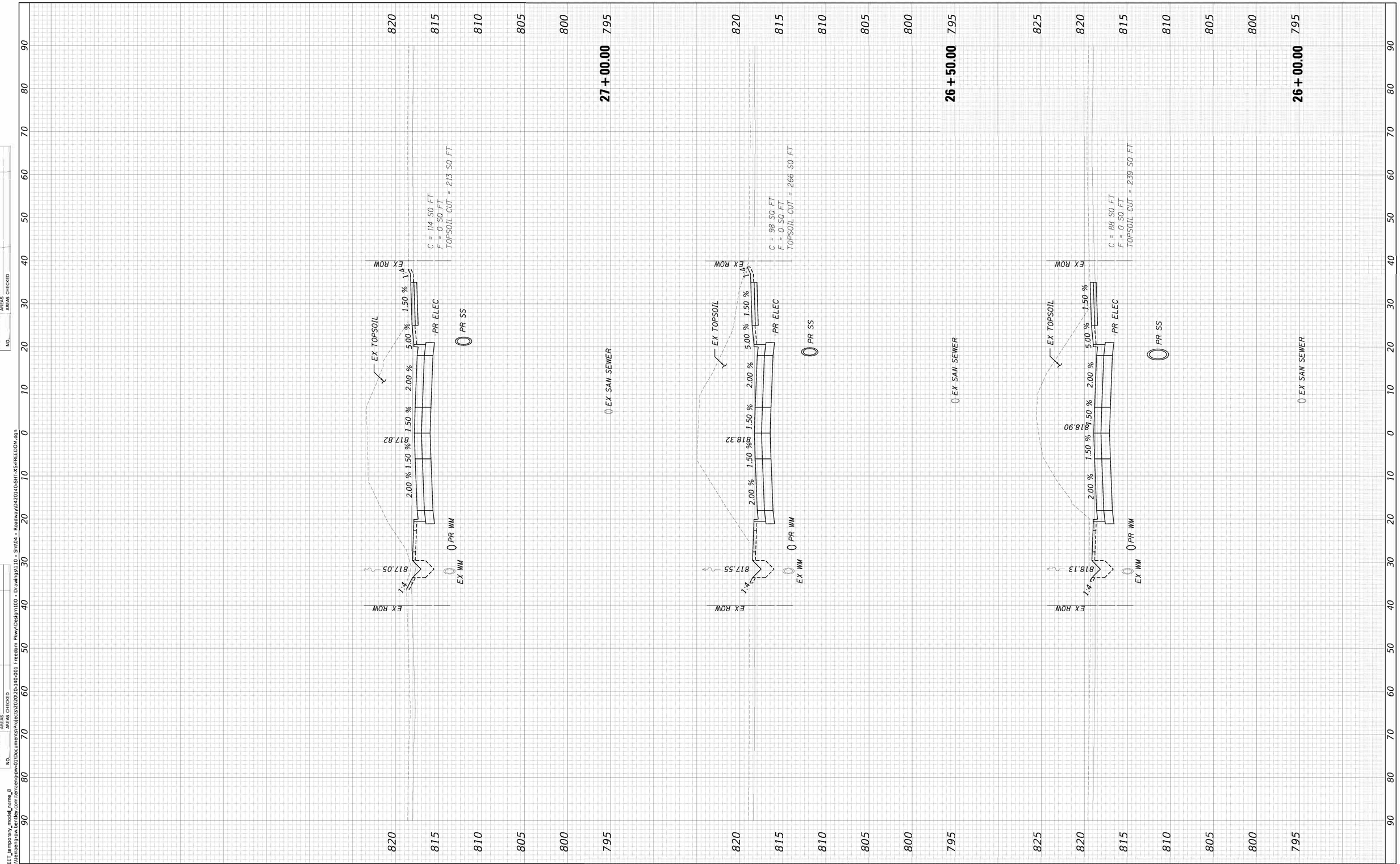
SHEET 7 OF 20 SHEETS STA. 24+50.00 TO STA. 25+50.00



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	128

ILLINOIS FED. AID PROJECT

CONTRACT NO. 89805



FINAL SURVEY

NOTE BOOK	
NO.	

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
ANGLES		
AREAS CHECKED		

ORIGINAL SURVEY

NOTE BOOK	
NO.	

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
ANGLES		
AREAS CHECKED		

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TERRA ENGINEERING LTD.

USER NAME = CollinC	DESIGNED	-	CC	REVISED	-
	DRAWN	-	CC	REVISED	-
PLOT SCALE = 10.0000 ' / in.	CHECKED	-	ET	REVISED	-
PLOT DATE = 3/17/2023	DATE	-	2023/03/27	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
FREEDOM PARKWAY

SCALE: | SHEET | OF | SHEETS | STA. 26+00.00 | TO STA. 27+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	129
		CONTRACT NO. 89805		
	ILLINOIS FED. AID PROJECT			

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

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

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TERRA ENGINEERING LTD.

USER NAME = c&kc
PLOT SCALE = 10.0000 ' / In.
PLOT DATE = 3/17/2023

DESIGNED - CC
DRAWN - CC
CHECKED - ET
DATE - 2023/03/17

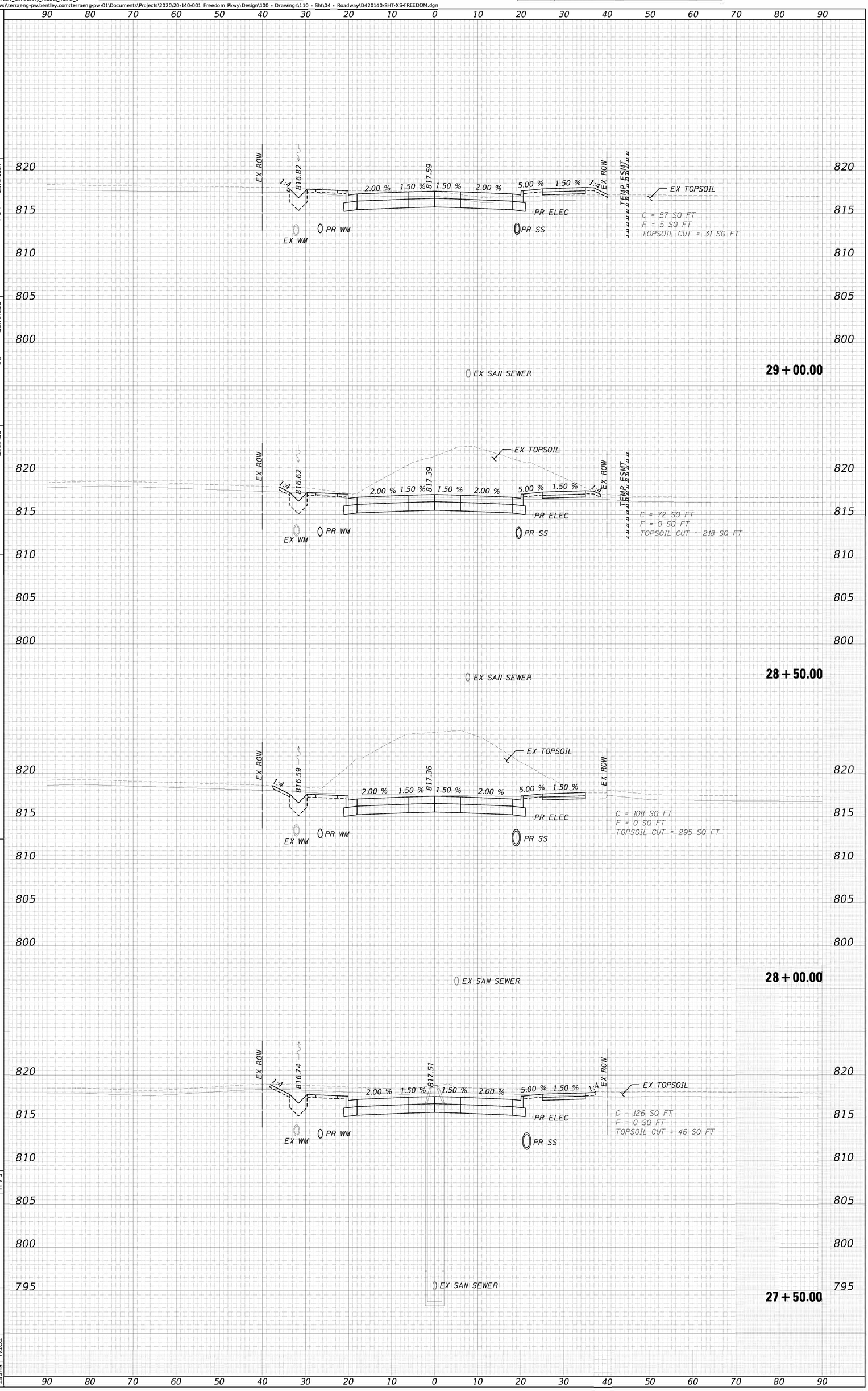
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
FREEDOM PARKWAY

SCALE:
SHEET OF SHEETS STA. 27+50.00 TO STA. 29+00.00

F.A.U. RTE. 6745
SECTION 20-00128-02-PV
COUNTY Tazewell
CONTRACT NO. 89805
TOTAL SHEETS 147
SHEET NO. 130
ILLINOIS FED. AID PROJECT



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

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

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TERRA ENGINEERING LTD.

USER NAME = dbr.c
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PLOT DATE = 3/17/2023

DESIGNED - CC
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CHECKED - ET
DATE - 2023/03/21

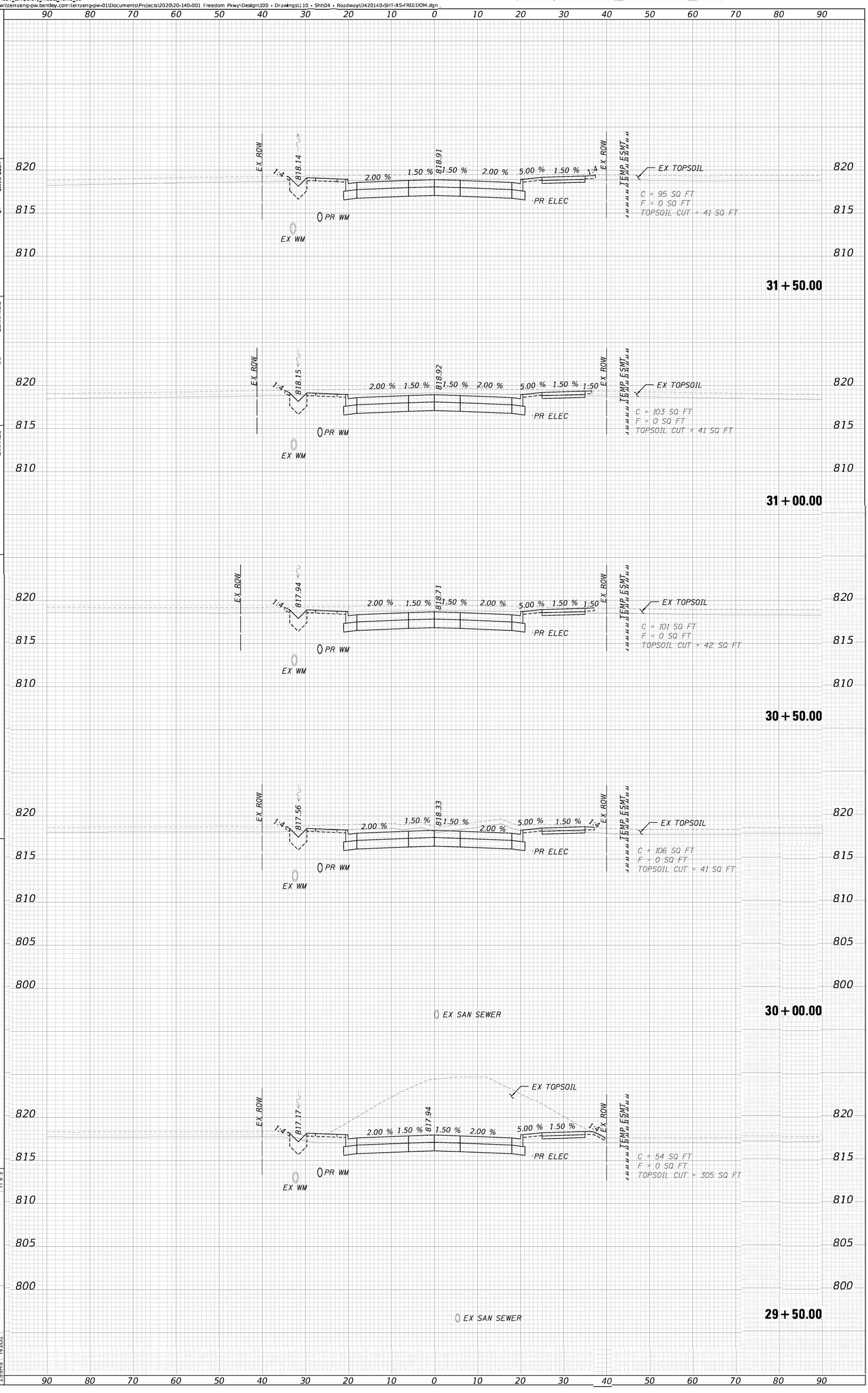
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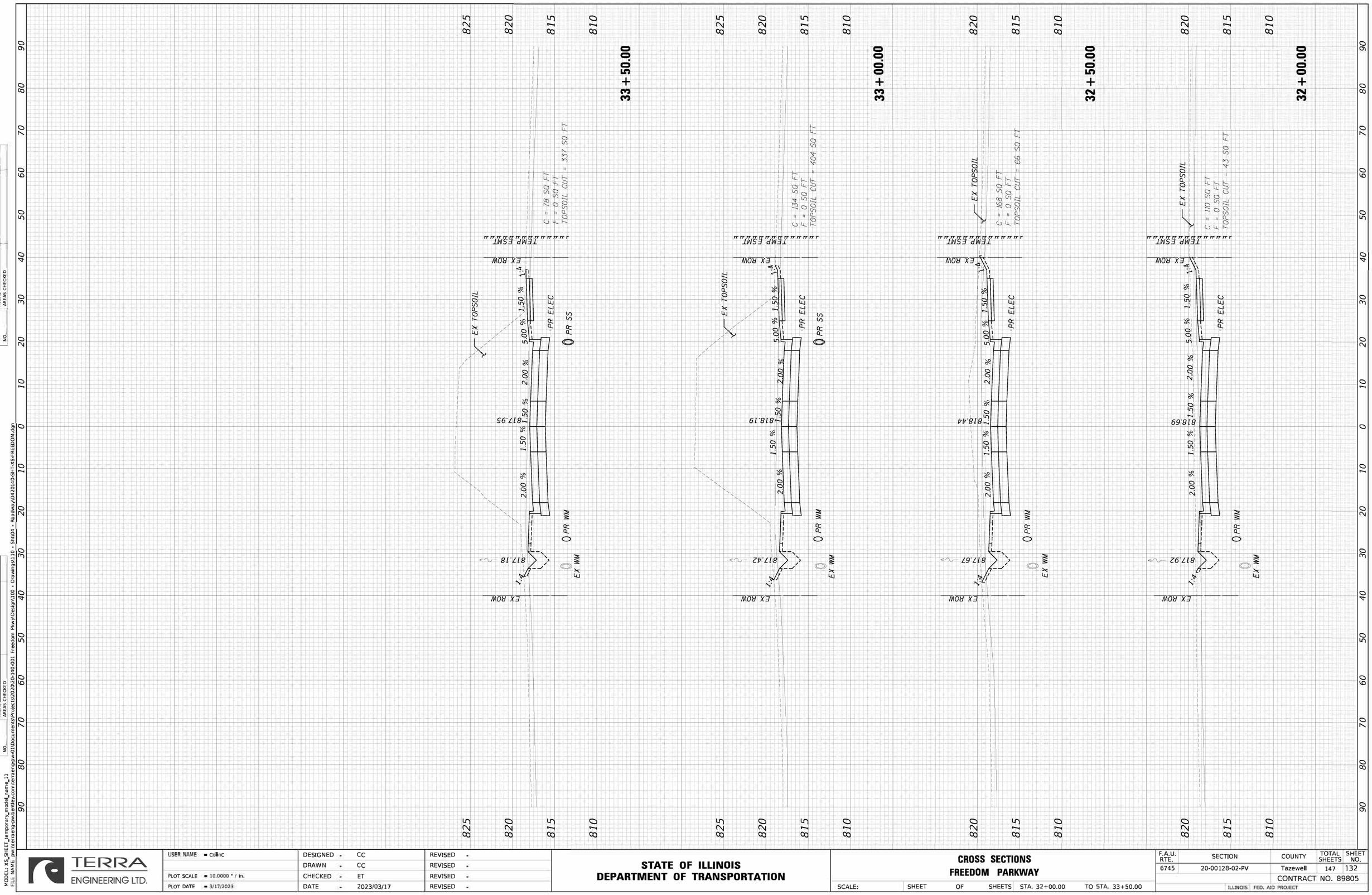
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
FREEDOM PARKWAY

SCALE:
SHEET OF SHEETS STA. 29+50.00 TO STA. 31+50.00

F.A.U. RTE. 6745
SECTION 20-00128-02-PV
COUNTY Tazewell
CONTRACT NO. 89805
TOTAL SHEETS 140
SHEET NO. 131
ILLINOIS FED. AID PROJECT





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

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

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TERRA ENGINEERING LTD.

USER NAME = CollinC	DESIGNED	-	CC	REVISED	-
	DRAWN	-	CC	REVISED	-
PLOT SCALE = 10.0000 ' / in.	CHECKED	-	ET	REVISED	-
PLOT DATE = 3/17/2023	DATE	-	2023/03/17	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
FREEDOM PARKWAY

SCALE: | SHEET | OF | SHEETS | STA. 32+00.00 | TO STA. 33+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	132
		CONTRACT NO. 89805		
	ILLINOIS FED. AID PROJECT			

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

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

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36+00.00

EX TOPSOIL
C = 124 SQ FT
F = 0 SQ FT
TOPSOIL CUT = 44 SQ FT
TEMP ESMT
EX ROW
PR ELEC
PR SS
PR WM
EX WM
817.88
817.11
5.00 % 1.50 % 2.00 % 1.50 % 2.00 %
1:4

35+50.00

EX TOPSOIL
C = 105 SQ FT
F = 0 SQ FT
TOPSOIL CUT = 42 SQ FT
TEMP ESMT
EX ROW
PR ELEC
PR SS
PR WM
EX WM
818.24
817.47
5.00 % 1.50 % 2.00 % 1.50 % 2.00 %
1:4

35+00.00

EX TOPSOIL
C = 101 SQ FT
F = 0 SQ FT
TOPSOIL CUT = 42 SQ FT
TEMP ESMT
EX ROW
PR ELEC
PR SS
PR WM
EX WM
818.24
817.43
5.00 % 1.50 % 2.00 % 1.50 % 2.00 %
1:4

34+50.00

EX TOPSOIL
C = 109 SQ FT
F = 0 SQ FT
TOPSOIL CUT = 43 SQ FT
TEMP ESMT
EX ROW
PR ELEC
PR SS
PR WM
EX WM
817.96
817.19
5.00 % 1.50 % 2.00 % 1.50 % 2.00 %
1:4

34+00.00

EX TOPSOIL
C = 95 SQ FT
F = 0 SQ FT
TOPSOIL CUT = 114 SQ FT
TEMP ESMT
EX ROW
PR ELEC
PR SS
PR WM
EX WM
817.87
817.10
5.00 % 1.50 % 2.00 % 1.50 % 2.00 %
1:4

TERRA ENGINEERING LTD.	USER NAME = CollinC	DESIGNED - CC	REVISED -
		DRAWN - CC	REVISED -
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	PLOT DATE = 3/17/2023	DATE - 2023/03/27	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
FREEDOM PARKWAY

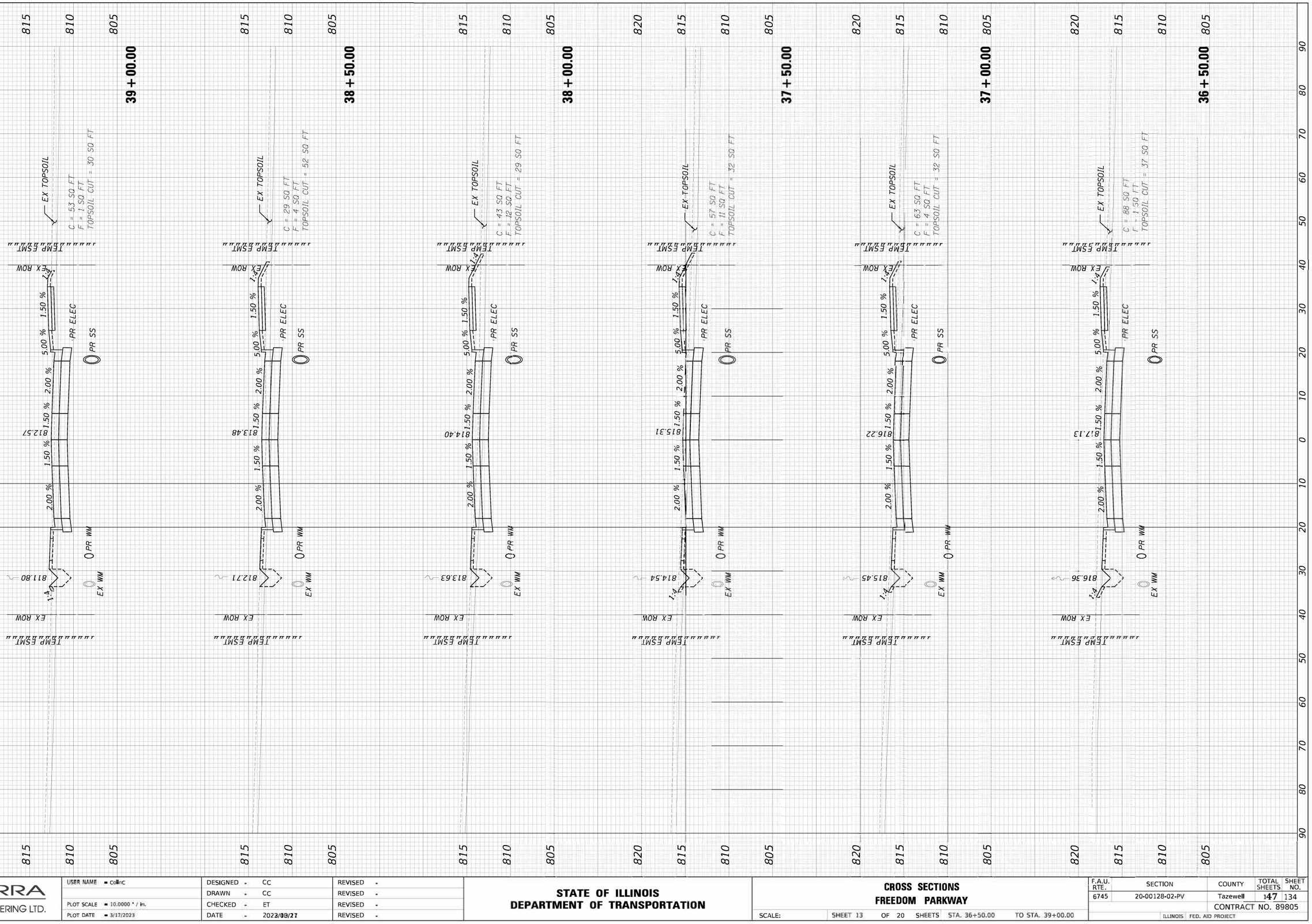
SCALE: | SHEET 12 OF 20 SHEETS | STA. 34+00.00 | TO STA. 36+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	140	133
		CONTRACT NO. 89805		
	ILLINOIS FED. AID PROJECT			

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

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

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TERRA ENGINEERING LTD.

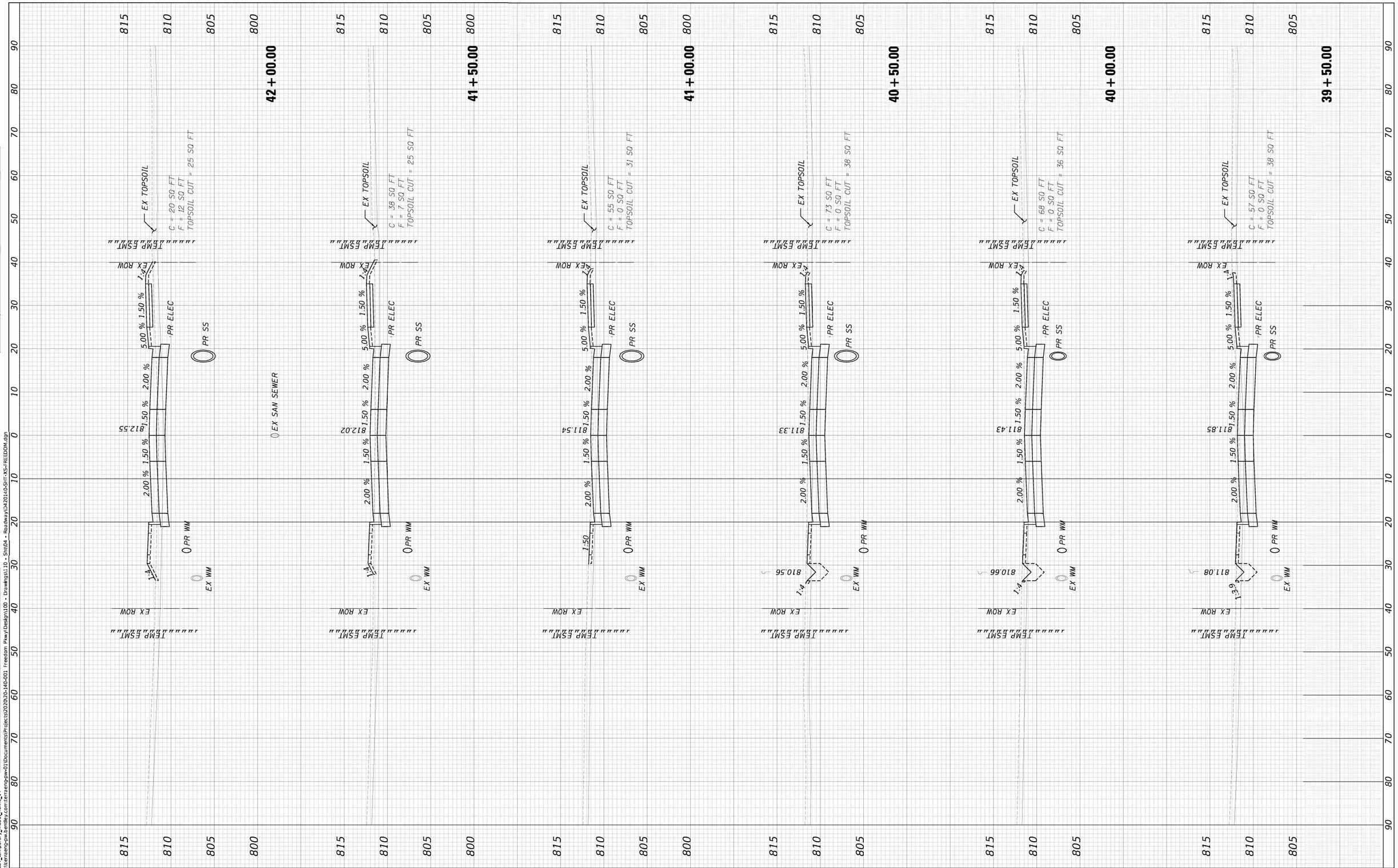
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PLOT DATE = 3/17/2023	DATE - 2023/03/27	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
FREEDOM PARKWAY

SCALE: | SHEET 13 OF 20 SHEETS | STA. 36+50.00 | TO STA. 39+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	134
		CONTRACT NO. 89805		
	ILLINOIS FED. AID PROJECT			



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

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

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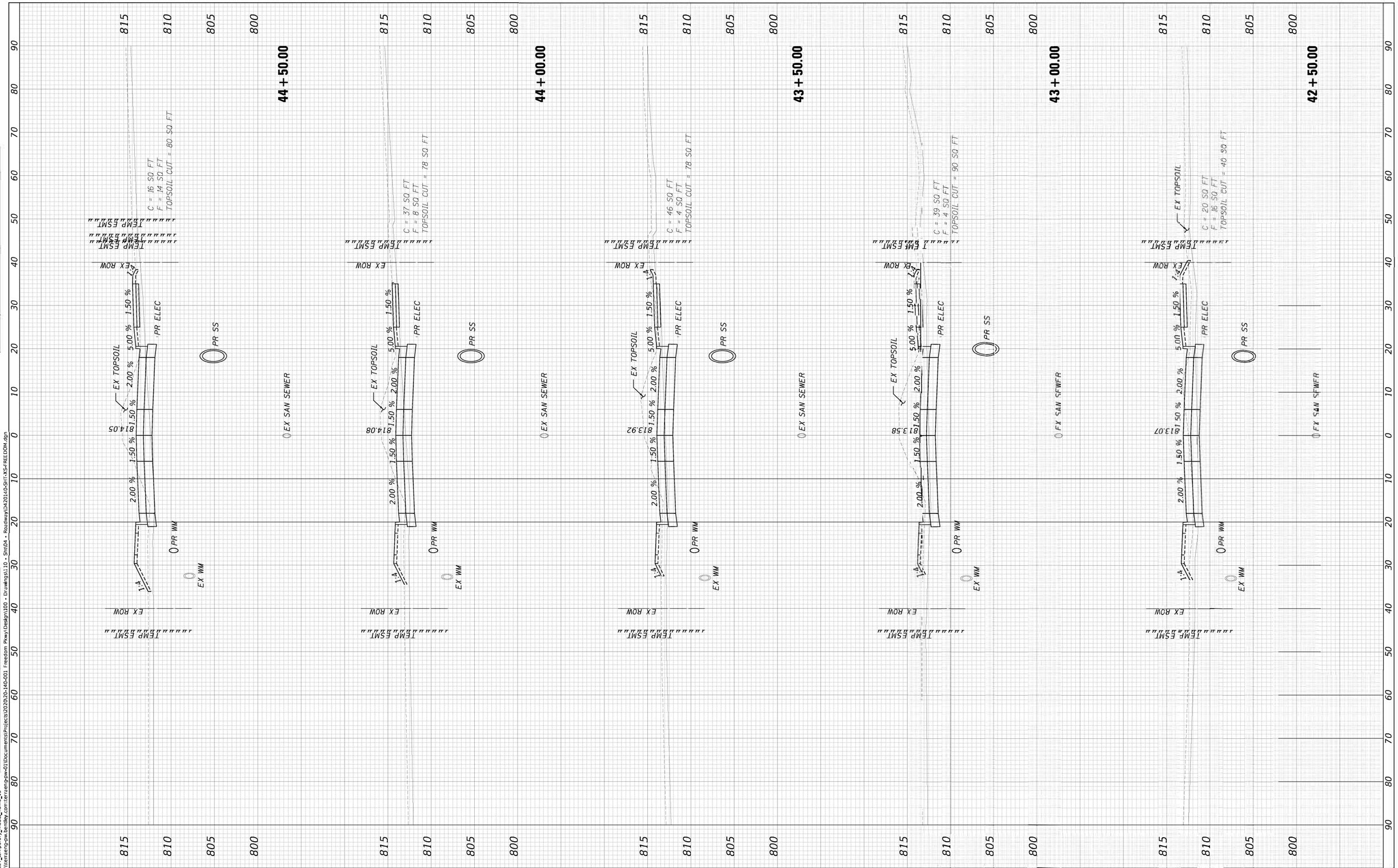
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		DRAWN - CC	REVISED -		
	PLOT SCALE = 10.0000 ' / in.	CHECKED - ET	REVISED -		
	PLOT DATE = 3/17/2023	DATE - 2023/03/27	REVISED -		SCALE: SHEET 14 OF 20 SHEETS STA. 39+50.00 TO STA. 42+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	140	135
		CONTRACT NO. 89805		
		ILLINOIS	FED. AID PROJECT	

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

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

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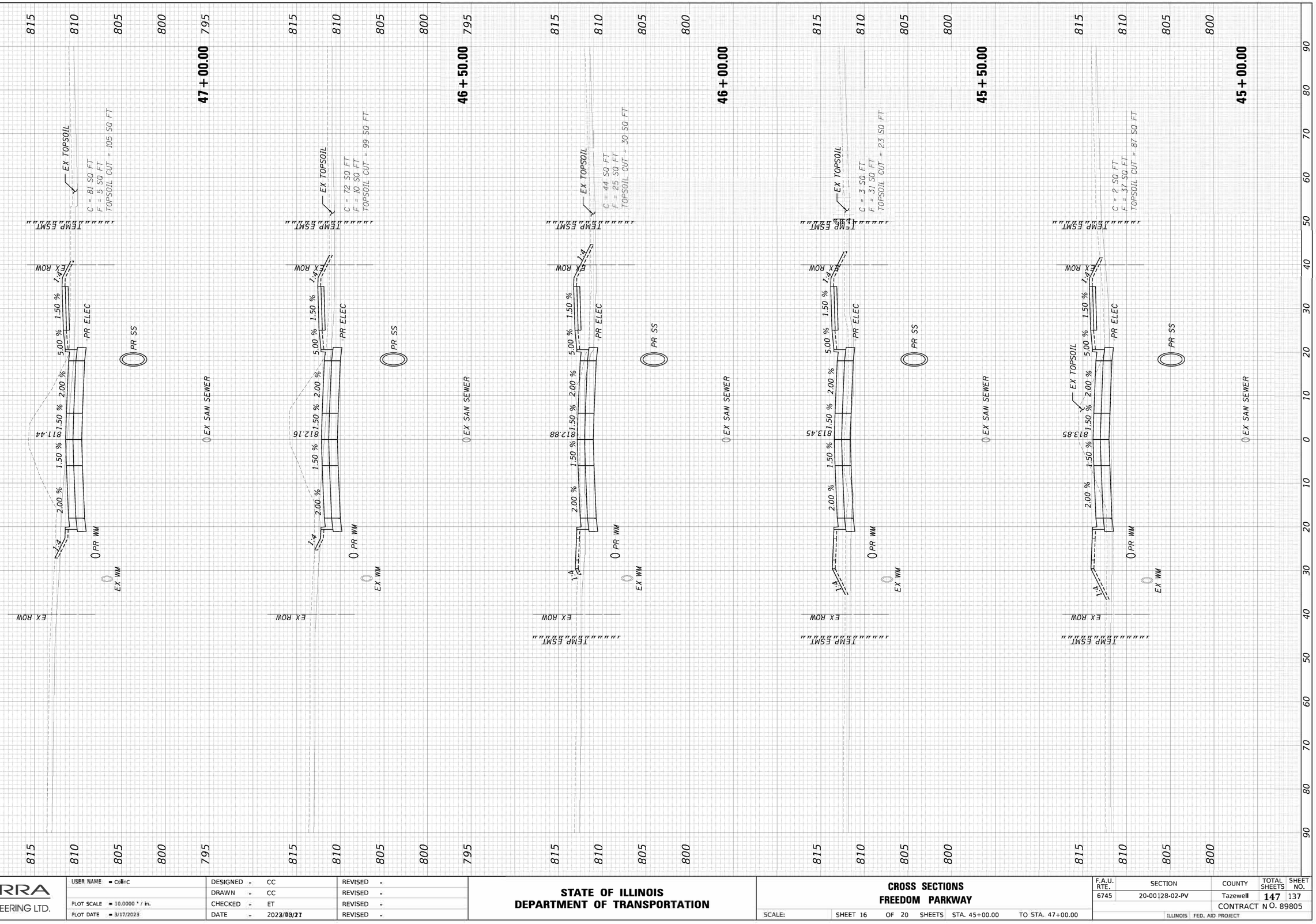
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		DRAWN - CC	REVISED -		
	PLOT SCALE = 10.0000 ' / in.	CHECKED - ET	REVISED -		
	PLOT DATE = 3/17/2023	DATE - 2023/03/27	REVISED -		SCALE: SHEET 15 OF 20 SHEETS STA. 42+50.00 TO STA. 44+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	136
		CONTRACT NO. 89805		
		ILLINOIS	FED. AID PROJECT	

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

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

MODEL: XS_SHEET_temporary_model_name_16
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TERRA ENGINEERING LTD.

USER NAME = ColinC		DESIGNED -	CC	REVISED -	
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PLOT SCALE = 10.0000 ' / in.		CHECKED -	ET	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
FREEDOM PARKWAY

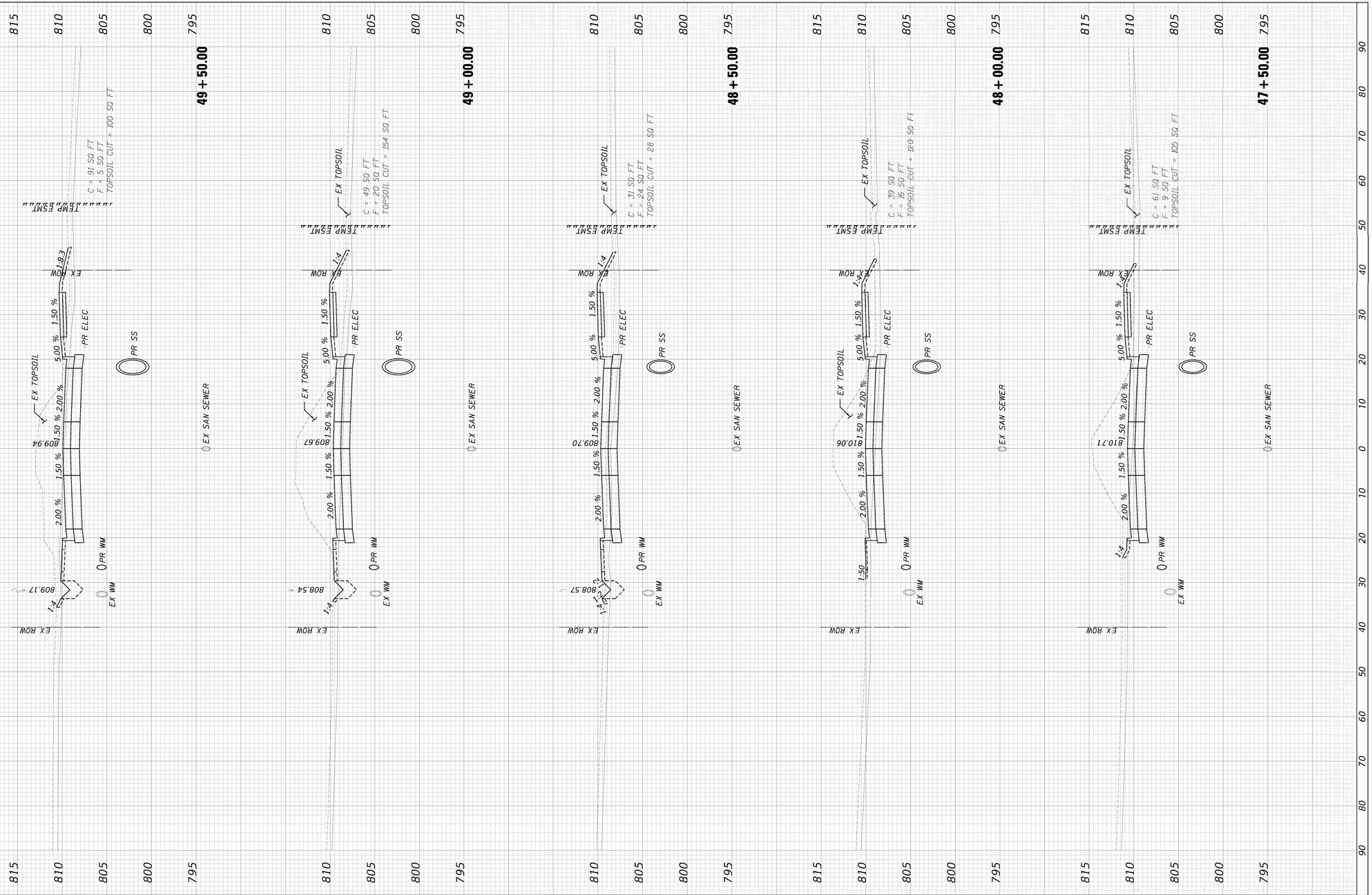
SCALE: | SHEET 16 OF 20 SHEETS | STA. 45+00.00 | TO STA. 47+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	137
		CONTRACT NO. 89805		
		ILLINOIS	FED. AID PROJECT	

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

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

MODEL: XS_SHEET_temporary_model_name_17
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TERRA ENGINEERING LTD.

USER NAME = CollinC	DESIGNED - CC	REVISED -	
	DRAWN - CC	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED - ET	REVISED -	
PLOT DATE = 3/17/2023	DATE - 2023/03/27	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
FREEDOM PARKWAY

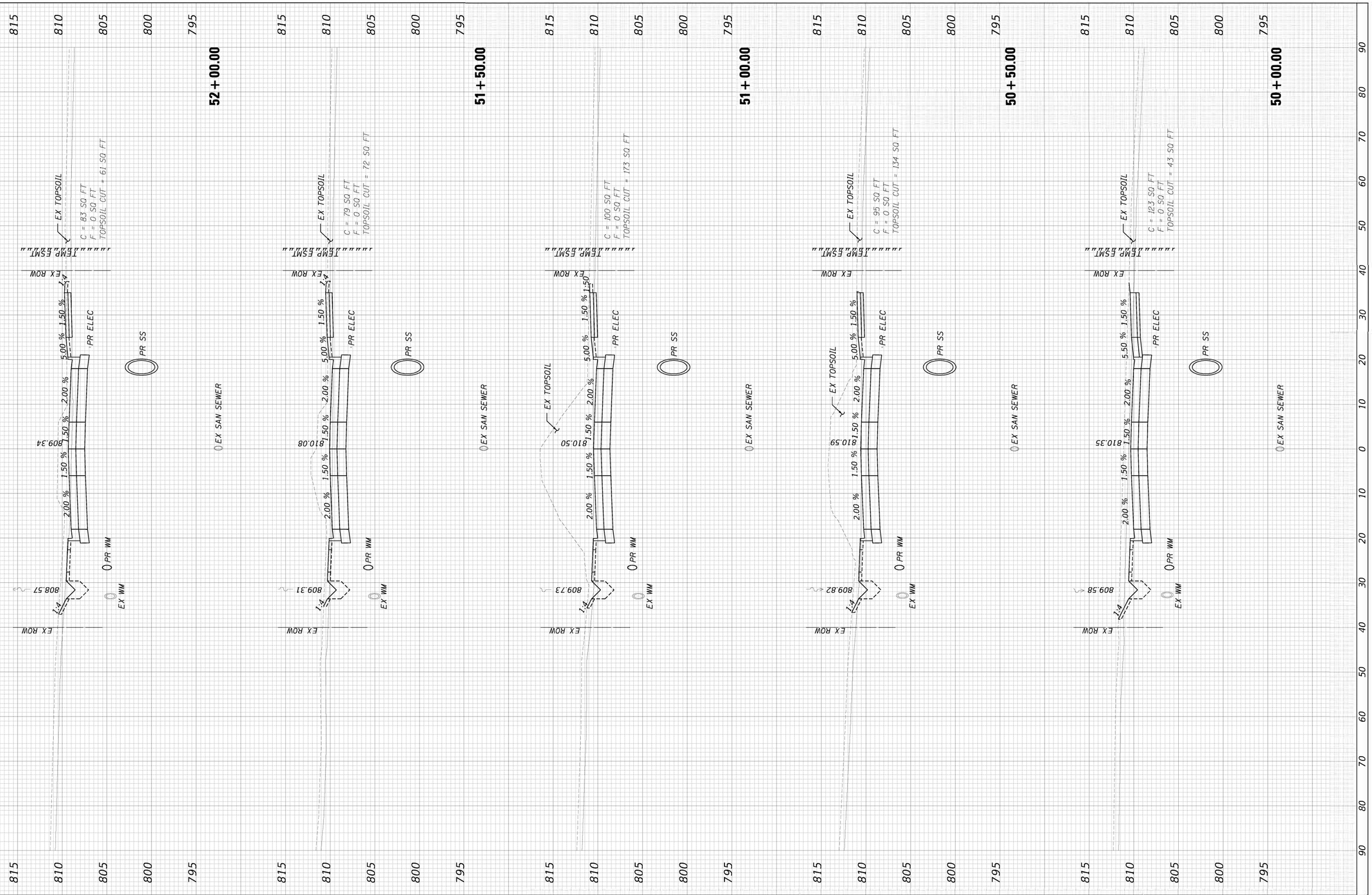
SCALE: | SHEET 17 OF 20 SHEETS | STA. 47+50.00 | TO STA. 49+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	138
		CONTRACT NO. 89805		
		ILLINOIS	FED. AID PROJECT	

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

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

MODEL: XS_SHEET_temporary_model_name_18
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TERRA ENGINEERING LTD.	USER NAME = CollinC	DESIGNED - CC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS FREEDOM PARKWAY
		DRAWN - CC	REVISED -		
	PLOT SCALE = 10.0000 ' / in.	CHECKED - ET	REVISED -		SCALE: SHEET 18 OF 20 SHEETS STA. 50+00.00 TO STA. 52+00.00
	PLOT DATE = 3/17/2023	DATE - 2023/03/27	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	139
		CONTRACT NO. 89805		
		ILLINOIS FED. AID PROJECT		

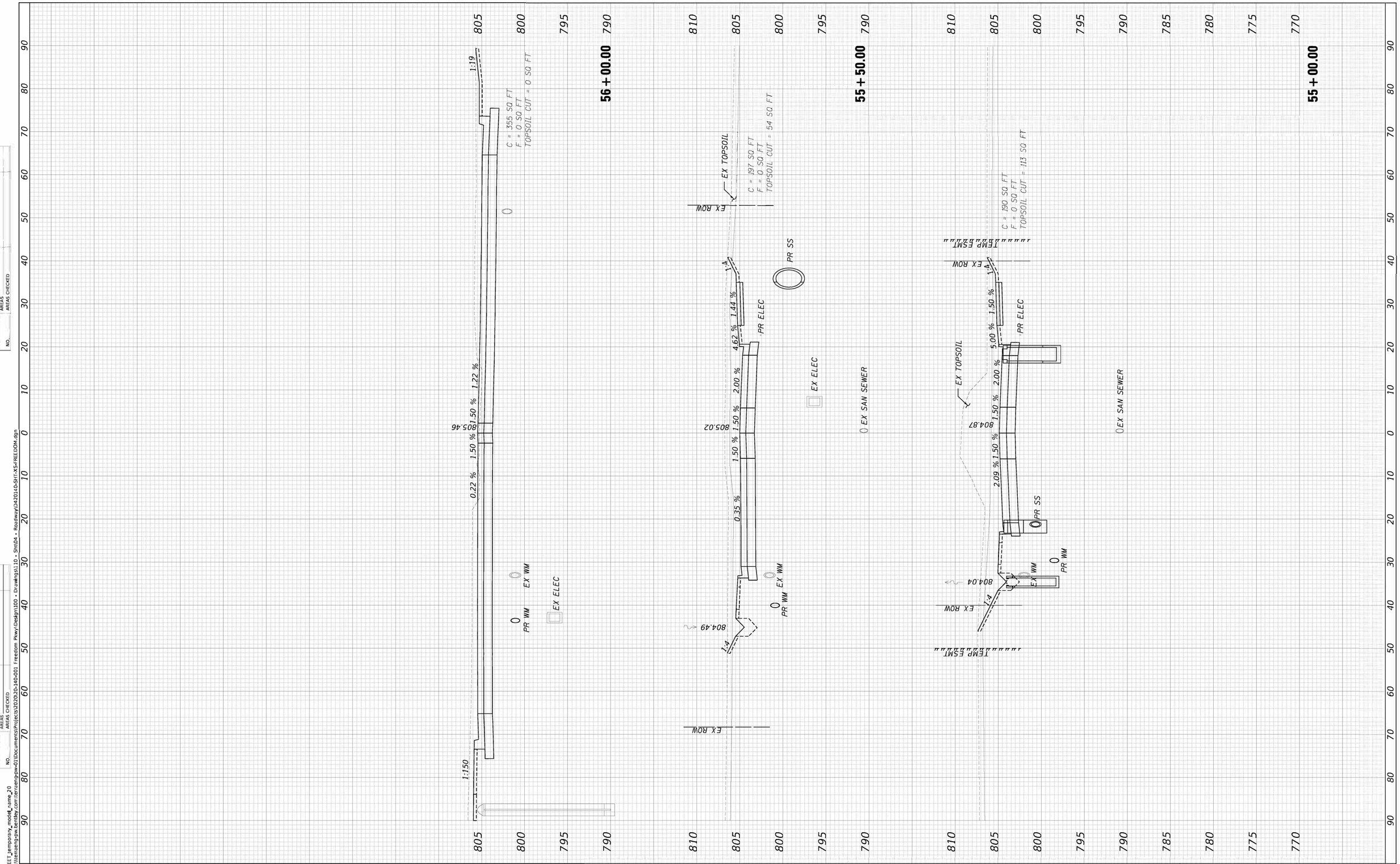
FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

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

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TERRA ENGINEERING LTD.	USER NAME = CoBinC	DESIGNED - CC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS FREEDOM PARKWAY
		DRAWN - CC	REVISED -		
	PLOT SCALE = 10.0000 ' / in.	CHECKED - ET	REVISED -		SCALE: SHEET OF SHEETS STA. 52+50.00 TO STA. 54+50.00
	PLOT DATE = 3/17/2023	DATE - 2023/03/27	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	140
		CONTRACT NO. 89805		
	ILLINOIS FED. AID PROJECT			



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

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

MODEL: XS_SHEET_temporary_model_name_20
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TERRA ENGINEERING LTD.

USER NAME = colinc		DESIGNED -	CC	REVISED -	
		DRAWN -	CC	REVISED -	
PLOT SCALE = 10.0000 ' / in.		CHECKED -	ET	REVISED -	
PLOT DATE = 3/17/2023		DATE -	2023/03/27	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
FREEDOM PARKWAY

SCALE: | SHEET | OF | SHEETS | STA. 55+00.00 | TO STA. 56+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	140	141
		CONTRACT NO. 89805		
		ILLINOIS	FED. AID PROJECT	

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

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

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67+50.00

EX ROW
C = 0 SQ FT
F = 0 SQ FT
TOPSOIL CUT = 0 SQ FT
EX GAS
EX SS
EX WM
EX SAN SEWER
EX FO
EX PERM ESMT
PR SS
803.09

67+00.00

EX ROW
C = 0 SQ FT
F = 0 SQ FT
TOPSOIL CUT = 0 SQ FT
EX GAS
EX SS
EX WM
EX SAN SEWER
EX FO
EX PERM ESMT
PR SS
802.45

66+50.00

EX ROW
C = 0 SQ FT
F = 0 SQ FT
TOPSOIL CUT = 0 SQ FT
EX GAS
EX WM
EX SAN SEWER
EX FO
EX PERM ESMT
PR SS
EX SS
801.79

66+00.00

EX ROW
C = 0 SQ FT
F = 0 SQ FT
TOPSOIL CUT = 0 SQ FT
EX GAS
PR TOPSOIL
1:4
1.7 %
EX WM
EX SAN SEWER
EX FO
EX PERM ESMT
PR SS
EX SS
801.19

65+50.00

EX ROW
C = 0 SQ FT
F = 0 SQ FT
TOPSOIL CUT = 0 SQ FT
EX GAS
PR TOPSOIL
1:4
0.7 %
EX WM
EX SAN SEWER
EX FO
EX PERM ESMT
PR SS
EX SS
800.64

65+00.00

EX ROW
C = 0 SQ FT
F = 0 SQ FT
TOPSOIL CUT = 0 SQ FT
EX GAS
PR TOPSOIL
1:4
0.5 %
EX WM
EX SAN SEWER
EX FO
EX PERM ESMT
PR SS
EX SS
800.21

USER NAME = CollinC	DESIGNED - CC	REVISED -	
	DRAWN - CC	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED - ET	REVISED -	
PLOT DATE = 3/17/2023	DATE - 2023/03/27	REVISED -	

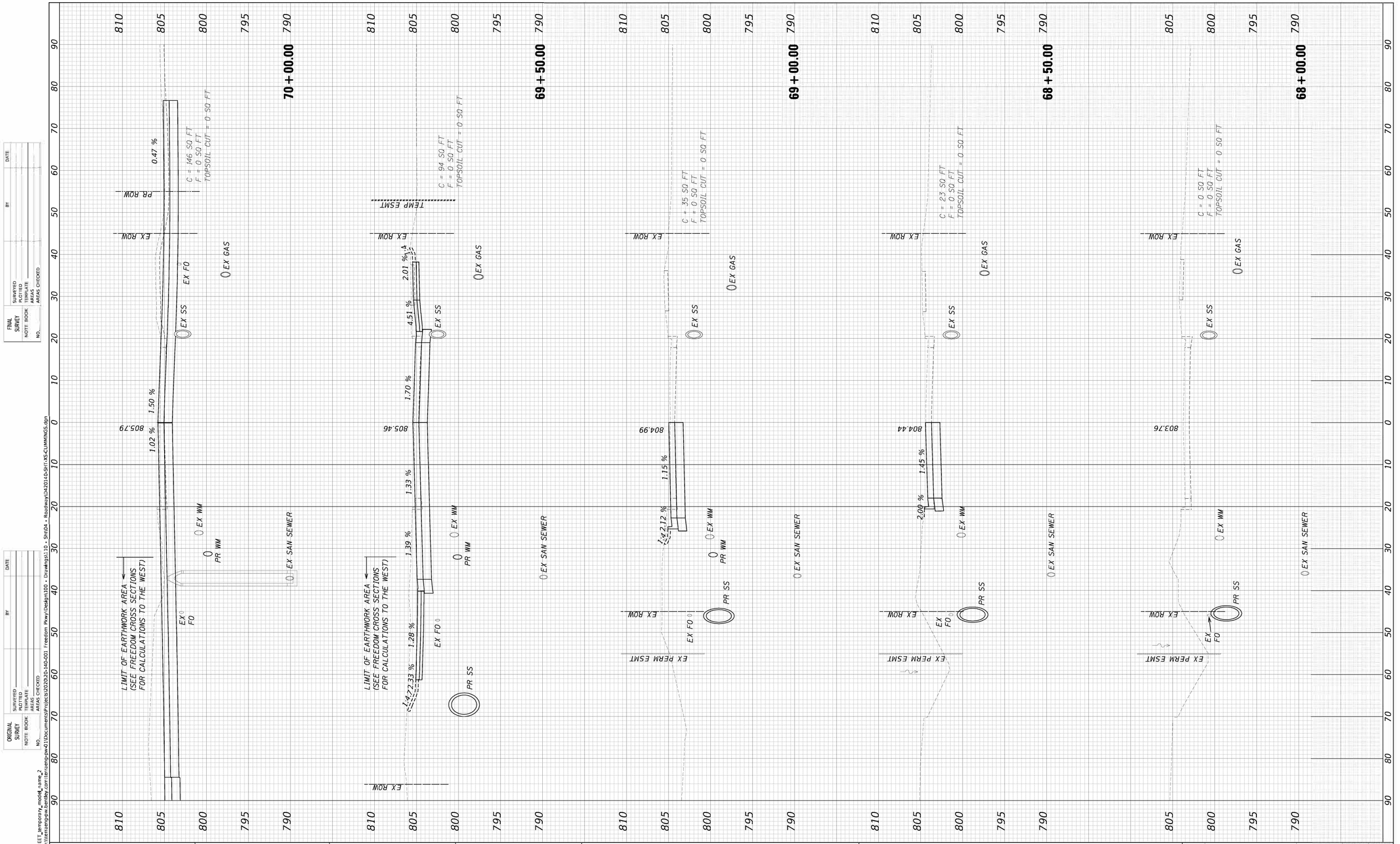
TERRA ENGINEERING LTD.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
CUMMINGS LANE

SCALE: | SHEET | OF | SHEETS | STA. 65+00.00 | TO STA. 67+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	142
		CONTRACT NO. 89805		
	ILLINOIS FED. AID PROJECT			



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

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

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TERRA ENGINEERING LTD.

USER NAME = CollinC		DESIGNED	- CC	REVISED	-
		DRAWN	- CC	REVISED	-
PLOT SCALE = 10.0000 ' / in.		CHECKED	- ET	REVISED	-
PLOT DATE = 3/17/2023		DATE	- 2023/03/27	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
CUMMINGS LANE

SCALE: | SHEET | OF | SHEETS | STA. 68+00.00 | TO STA. 70+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	140	143
		CONTRACT NO. 89805		
	ILLINOIS FED. AID PROJECT			

FINAL SURVEY

NOTE BOOK	
NO.	

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY

NOTE BOOK	
NO.	

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

MODEL: XS_SHEET_temporary_model_name_3
FILE NAME: pw:\\terraeng-pw.bentley.com:terraeng-pw01\Documents\Projects\2020\20-140-001 Freedom Pkwy\Design\100 - Drawings\110 - Sht\04 - Roadway\D420140-SHT-XS-CUMMINGS.dgn

72+50.00

EX ROW
EX FO
EX SS
EX GAS
EX SAN SEWER
EX WM
806.52
1.50 %
1.4 2.00 %
C = 35 SQ FT
F = 0 SQ FT
TOPSOIL CUT = 0 SQ FT

72+00.00

EX ROW
EX FO
EX SS
EX GAS
EX SAN SEWER
EX WM
806.36
1.50 %
1.4 2.00 %
C = 54 SQ FT
F = 0 SQ FT
TOPSOIL CUT = 0 SQ FT

71+50.00

EX ROW
EX FO
EX SS
EX GAS
EX SAN SEWER
EX WM
806.22
1.76 %
1.70 %
1.4 2.00 %
C = 79 SQ FT
F = 0 SQ FT
TOPSOIL CUT = 0 SQ FT

71+00.00

TEMP ESMT
EX ROW
EX FO
EX SS
EX ELEC
EX GAS
EX SAN SEWER
EX WM
806.10
1.57 %
1.94 %
1.41 %
1.4 2.00 %
C = 98 SQ FT
F = 0 SQ FT
TOPSOIL CUT = 0 SQ FT

70+50.00

TEMP ESMT
PR ROW
EX ROW
EX FO
EX SS
EX GAS
EX SAN SEWER
EX WM
PR WM
805.95
1.79 %
1.50 %
0.61 %
1.4 2.00 %
1.4 3
1.6 2
0.60 %
804.78
C = 117 SQ FT
F = 0 SQ FT
TOPSOIL CUT = 0 SQ FT
LIMIT OF EARTHWORK AREA
(SEE FREEDOM CROSS SECTIONS
FOR CALCULATIONS TO THE WEST)

TERRA ENGINEERING LTD.

USER NAME = colinc		DESIGNED -	CC	REVISED -	
		DRAWN -	CC	REVISED -	
PLOT SCALE = 10.0000 ' / in.		CHECKED -	ET	REVISED -	
PLOT DATE = 3/17/2023		DATE -	2023/03/27	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
CUMMINGS LANE

SCALE: | SHEET | OF | SHEETS | STA. 70+50.00 | TO STA. 72+50.00

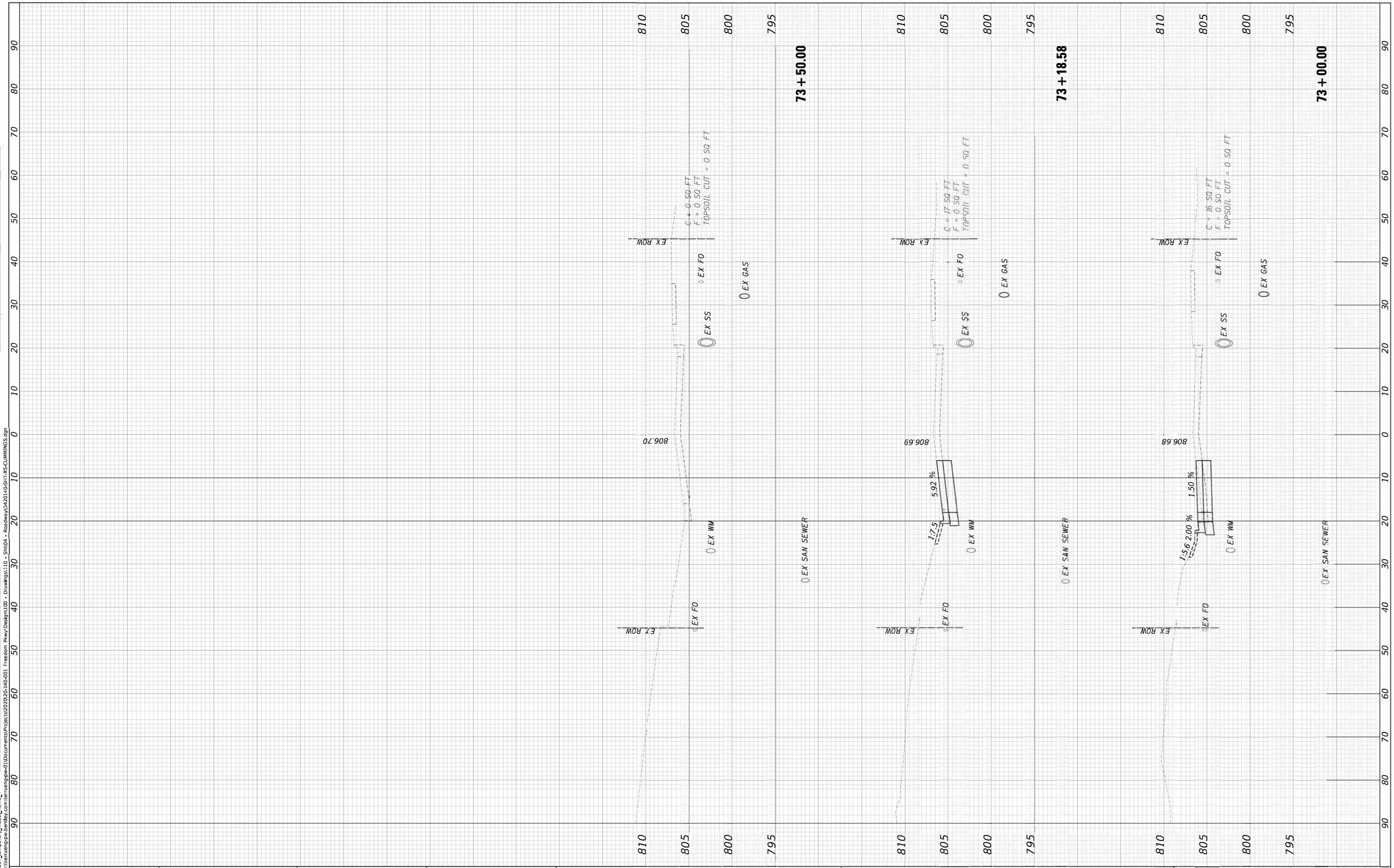
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	144

CONTRACT NO. 89805

ILLINOIS | FED. AID PROJECT

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

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



MODEL: XS_SHEET_temporary_modelname_4
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TERRA ENGINEERING LTD.

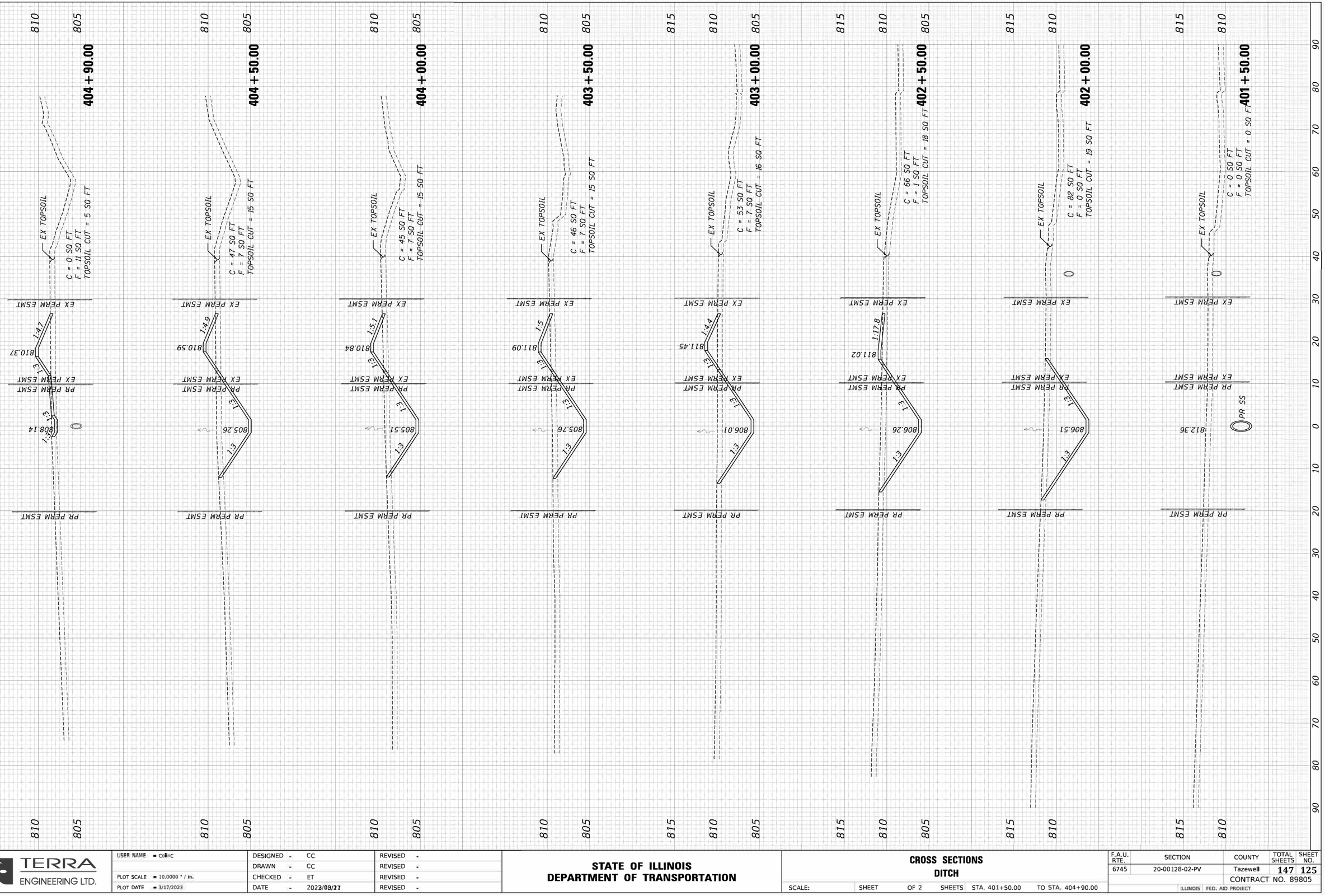
USER NAME = CollinC	DESIGNED -	CC	REVISED -	
	DRAWN -	CC	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED -	ET	REVISED -	
PLOT DATE = 3/17/2023	DATE -	2023/03/17	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
CUMMINGS LANE

SCALE: | SHEET | OF | SHEETS | STA. 73+00.00 | TO STA. 73+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	145
		CONTRACT NO. 89805		
	ILLINOIS FED. AID PROJECT			



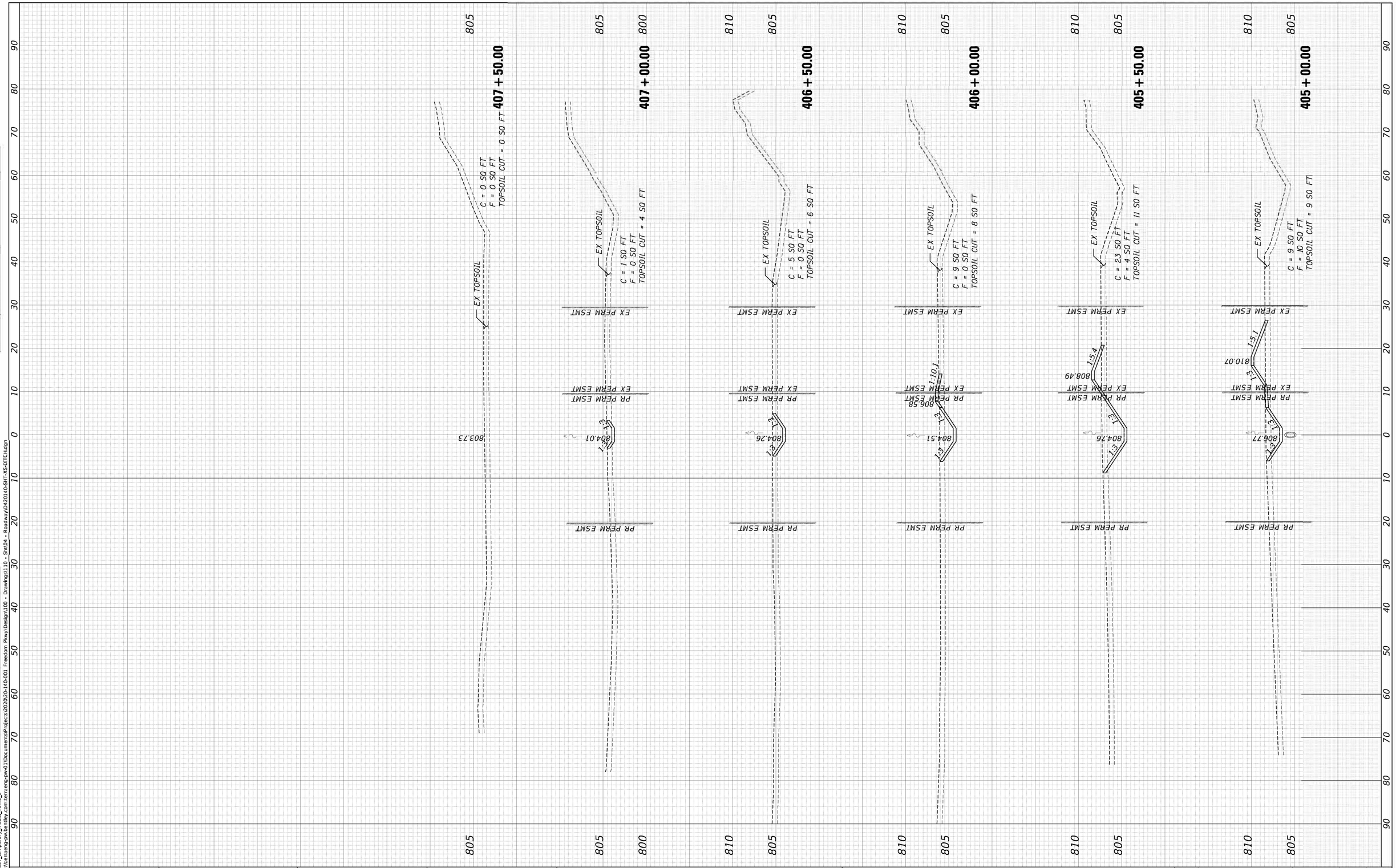
FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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

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TERRA ENGINEERING LTD.	USER NAME = ColinC	DESIGNED - CC	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**CROSS SECTIONS DITCH**
		DRAWN - CC	REVISED -		
	PLOT SCALE = 10.0000 ' / in.	CHECKED - ET	REVISED -		
	PLOT DATE = 3/17/2023	DATE - 2023/03/27	REVISED -		SCALE: SHEET OF 2 SHEETS STA. 401+50.00 TO STA. 404+90.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	125
		CONTRACT NO. 89805		
		ILLINOIS FED. AID PROJECT		



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

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

MODEL: XS_SHEET_temporary_model_name_2
FILE NAME: pw:\\terraeng-pw.bentley.com:terraeng-pw-01\Documents\Projects\2020\20-140-001 Freedom Pkwy\Design\100 - Drawings\110 - Snt\04 - Roadway\042014D-SHT-XS-DITCH1.dgn

TERRA ENGINEERING LTD.

USER NAME = CollinC	DESIGNED - CC	REVISED -	**STATE OF ILLINOIS**	**CROSS SECTIONS**	
	DRAWN - CC	REVISED -	**DEPARTMENT OF TRANSPORTATION**	**DITCH**	
PLOT SCALE = 10.0000 ' / in.	CHECKED - ET	REVISED -		SCALE: SHEET OF 2 SHEETS STA. 405+00.00 TO STA. 407+50.00	
PLOT DATE = 3/17/2023	DATE - 2023/03/27	REVISED -			

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6745	20-00128-02-PV	Tazewell	147	126
		CONTRACT NO. 89805		
		ILLINOIS	FED. AID PROJECT	